A novel method to enhance the mechanical properties of polyacrylonitrile nanofiber mats: an experimental and numerical investigation
Sanchaniya, Jaymin Vrajla; Lasenko, Inga; Vijayan, Vishnu; Smogor, Hilary; Gobins, Valters; Kobeissi, Alaa; **Goljandin, Dmitri** Polymers 2024 / art. 992 https://doi.org/10.3390/polym16070992 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Aasta tehase žürii: tööstus on investeerimisel ebakindel, kuid raha vajadusel leitakse
toostusuudised.ee 2023 / 11. dets. Aasta tehase žürii: tööstus on investeerimisel ebakindel, kuid raha vajadusel leitakse

Abrasion and erosion resistance of cermets : a review
Kübarsepp, Jakob; **Juhani, Kristjan**; **Tarraste, Marek** Materials 2022 / art. 69 https://doi.org/10.3390/ma15010069 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Abrasive wear resistant composite hardfacings with ex-situ and in-situ synthesized carbide reinforcement = Abrasiivkulumiskindlad komposiitpinded ex-situ ja in-situ sünteesitud karbiidkõvafaasiga
Tkachivskyi, Dmytro 2021 https://doi.org/10.23658/taltech.41/2021 https://digikogu.taltech.ee/et/Item/4ee05e38-b68b-4bb6-a708-6f2b8159f947

Abrasive-erosive wear of thermally sprayed coatings from experimental and commercial Cr3C2-based powders
Sarjas, Heikki; **Surženkov, Andrei**; **Juhani, Kristjan**; **Antonov, Maksim**; **Adoberg, Eron**; **Kulu, Priit**; **Viljus, Mart**; **Traksmaa, Rainer**; Matikainen, Ville; Vuoristo, Petri Journal of thermal spray technology 2017 / p. 2020-2029 : ill https://doi.org/10.1007/s11666-017-0638-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

AC magnetic loss reduction of SLM processed Fe-Si for additive manufacturing of electrical machines
Tiismus, Hans; **Kallaste, Ants**; **Belahcen, Anouar**; **Tarraste, Marek**; **Vaimann, Toomas**; **Rassõlkin, Anton**; **Asad, Bilal**; **Ghahfarokhi, Payam Shams** Energies 2021 / 13 p. : ill https://doi.org/10.3390/en14051241 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Academic development support for implementing CDIO
Kase, Kärt; **Kasuk, Tiina**; **Rüütmann, Tiia**; **Sonk, Kaimo**; **Sell, Raivo**; **Annus, Ivar** 18th CDIO : International Conference : proceedings - full papers 2022 / p. 634-646 https://en.ru.is/media/cdio2022/CDIO_2022_Proceedings.pdf

Acoustic analysis of compact silencer solution based on microperforated panel
Villau, Margus; **Rämmal, Hans**; **Lavrentjev, Jüri** Modern Materials and Manufacturing 2023 : Tallinn, Estonia, 2–4 May 2023 2024 / art. 030014 https://doi.org/10.1063/5.0189854 Article at Scopus Conference Proceedings at Scopus

Acoustic and thermoacoustic properties of an additive manufactured lattice structure
Di Giulio, Elio; **Auriemma, Fabio**; Napolitano, Marialuisa; Dragonetti, Raffaele The Journal of the Acoustical Society of America 2021 / art. 3878 https://doi.org/10.1121/10.0005085 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Acoustic lumped element techniques to measure the low frequency response of porous materials
Di Giulio, Elio; Napolitano, Marialuisa; Romano, Rosario Aniello; **Auriemma, Fabio**; Dragonetti, Raffaele Proceedings of the 10th Convention of the European Acoustics Association 2023 : Forum Acusticum, September 11-15, 2023 2024 / p. 3497-3502 https://doi.org/10.61782/fa.2023.1056

Acoustic performance of an additive manufactured lattice structure
Auriemma, Fabio; **Liu, Le** IOP conference series : materials science and engineering 2021 / art. 012002, 5 p.: ill https://doi.org/10.1088/1757-899X/1140/1/012002

Acoustic performance of micro-grooved elements
Auriemma, Fabio Applied acoustics 2017 / p. 128-137 : ill https://doi.org/10.1016/j.apacoust.2017.02.019 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Acoustic study of multi-layered microperforated elements for fibreless noise control applications
Villau, Margus; **Rämmal, Hans**; **Lavrentjev, Jüri** IOP conference series : materials science and engineering 2021 / art. 012015, 7 p. : ill https://doi.org/10.1088/1757-899X/1140/1/012015

Acoustic study of novel eco-friendly material for vehicle NVH applications
Rämmal, Hans; **Lavrentjev, Jüri** Materials today: proceedings 2020 / p. 2331-2337 https://doi.org/10.1016/j.matpr.2020.04.632 Conference proceedings at Scopus Article at Scopus Article at WOS

Acoustic study on motorcycle helmets with application of novel porous material
Lavrentjev, Jüri; **Rämmal, Hans** SAE Technical Paper Series : The 25th Small Engine Technology Conference (SETC2019) : Small Powertrains–Innovating for Their Future Role, International Conference Center Hiroshima, November 19-21, 2019 : Final program 2020 / Paper 2019-32-0531, p. 1-7 : ill https://www.sae.org/publications/technical-papers/content/2019-32-0531/ http://www.setc-jsae.com/2019docs/SETC2019_FinalProgram_all.pdf Conference proceedings at Scopus Article at Scopus

Acoustic study on tubular micro-perforated flow plug sections for vehicle silencer's application
Villau, Margus; **Rämmal, Hans**; **Lavrentjev, Jüri** SAE Technical Paper 2022 / p. 1-7 https://doi.org/10.4271/2022-01-0933 https://www.sae.org/publications/technical-papers/content/2022-01-0933/ Conference proceedings at Scopus Article at Scopus

The Activities of IGIP
Polyakova, Tatiana; Prikhodko, Viacheslav; **Rüütmann, Tiia**; **Auer, Michael E.** The International Society for Engineering Pedagogy: 1972–2022 2023 / p. 33–146 https://doi.org/10.1007/978-3-031-19890-8_2 Article collection metrics at Scopus Article at Scopus

Adaptation of Laboratory tests for the assessment of wear resistance of drill-bit inserts for rotary-percussive drilling of hard rocks
Saai, Afaf; Bjorge, Ruben; Dahl, Filip; **Antonov, Maksim** Wear 2020 / art. 203366, 10 p. : ill https://doi.org/10.1016/j.wear.2020.203366 Journal metrics at Scopus Article at Scopus Journal metrics ast WOS Article at WOS

Adaptive industrial robots using machine vision
Kuts, Vladimir; **Otto, Tauno**; **Tähemaa, Toivo**; **Bukhari, Khuldoon**; **Pataraia, Tengiz** ASME 2018 International Mechanical Engineering Congress and Exposition, Pittsburgh, Pennsylvania, USA, November 9–15, 2018 2018 / Paper No. IMECE2018-86720, pp. V002T02A093, 8 p. : ill https://doi.org/10.1115/IMECE2018-86720

Adaptive wear mechanisms of diamond coatings at room and elevated temperatures = Teemantpinnete adaptiivkulumise mehhanismid toa- ja kõrgendatud temperatuuridel
Yashin, Maxim 2019 https://digikogu.taltech.ee/et/Item/6cb35baa-eb31-42e2-8134-3235c7f796ef https://www.ester.ee/record=b5283072*est

Additive manufacturing : alloy design and process innovations
2020 https://doi.org/10.3390/books978-3-03928-353-8

Additive manufacturing : alloy design and process innovations
2020 https://doi.org/10.3390/books978-3-03928-415-3

Additive manufacturing : alloy design and process innovations
Prashanth, Konda Gokuldoss; Wang, Zhi Materials 2020 / art. 542, 2 p https://doi.org/10.3390/ma13030542 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Additive manufacturing and allied technologies
Sivaprasad, Katakam; Ramesh Babu, Amarapuram; **Prashanth, Konda Gokuldoss** Transactions of the Indian Institute of Metals 2023 / p. 269 https://doi.org/10.1007/s12666-023-02892-7 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Additive manufacturing and allied technologies
Sivaprasad, Katakam; Ramesh Babu, Nagumothu; **Prashanth, Konda Gokuldoss** International Journal of Materials Research = Zeitschrift für Metallkunde 2023 / p. 823 https://doi.org/10.1515/ijmr-2023-3011

Additive manufacturing of a martensitic Co–Cr–Mo alloy : Towards circumventing the strength–ductility trade-off
Wang, Zhi; Tang, S.Y.; Scudino, Sergio; Ivanov, Y.P.; Qu, R.T.; Wang, D.; Yang, C.; Zhang, W.W.; Greer, A.L.; Eckert, Juergen H.; **Prashanth, Konda Gokuldoss** Additive Manufacturing 2021 / art. 101725 https://doi.org/10.1016/j.addma.2020.101725 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Additive manufacturing of aluminum-based metal matrix composites - a review
Tang, Shengyang; Ummethala, Raghunandan; Suryanarayana, Challapalli; Eckert, Jürgen; **Prashanth, Konda Gokuldoss**; Wang, Zhi Advanced engineering materials 2021 / 2100053 https://doi.org/10.1002/adem.202100053

Additive manufacturing of CMCs with bimodal microstructure
Maurya, Himanshu Singh; Vikram, R. J.; Kosiba, Konrad; **Juhani, Kristjan**; **Sergejev, Fjodor**; Suwas, Satyam; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 168416, 5 p. : ill https://doi.org/10.1016/j.jallcom.2022.168416 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Additive manufacturing of CoCrFeMnNi high-entropy alloy/AISI 316L stainless steel bimetallic structures
Sokkalingam, Rathinavelu; Chao, Zhao; Sivaprasad, Katakam; Muthupandi, Veerappan; Jayaraj, Jayamani; Ramasamy, Parthiban; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Advanced engineering materials 2023 / art. 2200341 https://doi.org/10.1002/adem.202200341 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Additive manufacturing of high-entropy alloys
Karimi, Javad; **Kamboj, Nikhil Kumar**; **Prashanth, Konda Gokuldoss** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p http://fmtdk.ut.ee/teesid-2019/

Additive manufacturing of Mo-Mo(x)S(x+1) functional structures : engineering and electrochemical applications =

Lisandustehnoloogia teel valmistatud Mo-Mo(x)S(x+1) funktsionaalsed struktuurid inseneri- ja elektrokeemilistele rakendustele
Alinejadian, Navid 2022 https://doi.org/10.23658/taltech.43/2022 https://digikogu.taltech.ee/et/Item/636a0175-ae97-4a28-a2a1-c3b75c7c1eb6 https://www.ester.ee/record=b5511559*est

Additive manufacturing of novel ceramic-based composite scaffolds for bone tissue engineering = Uudsete keraamikal põhinevate komposiitkarkasside kihtlisandustehnoloogia luukoetehnika
Kamboj, Nikhil Kumar 2020 https://www.ester.ee/record=b5379547*est https://digikogu.taltech.ee/et/Item/92f8dc95-1820-45b0-bbdc-4193e44ec978

Additive manufacturing of silicon-wollastonite/bioactive glass based biomaterials by Selective Laser Melting
Kamboj, Nikhil Kumar; Rodríguez Barbero, M. A.; Rodrigo, C.; Kazantseva, Jekaterina; **Hussainova, Irina** 44th International Conference & Expositionon Advanced Ceramics and Composites, January 26–31, 2020, Daytona Beach, Florida : Abstract book 2020 / art. ICACC-S5-028-2020 ; p. 133 https://ceramics.org/wp-content/uploads/2018/09/ICACC20_Abstracts_WebFinal.pdf

Additive manufacturing of TiC-based cermet with stainless steel as a binder material
Maurya, Himanshu Singh; **Juhani, Kristjan**; **Sergejev, Fjodor**; **Prashanth, Konda Gokuldoss** Materials today: proceedings 2022 / p. 824-828 https://doi.org/10.1016/j.matpr.2022.02.428 Conference proceeding at Scopus Article at Scopus Article at WOS

Additive manufacturing of TiC-based cermets : a detailed comparison with spark plasma sintered samples
Maurya, Himanshu Singh; Jayaraj, Jayamani; Vikram, Raja Jothi; **Juhani, Kristjan**; **Sergejev, Fjodor**; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 170436 https://doi.org/10.1016/j.jallcom.2023.170436 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Additive manufacturing of TiC-based cermets with Fe-based binders using novel laser scan techniques = Titaankarbiidsete Fe-baasil sideainega kermiste valmistamine uudse laserskaneeriva kihtlisandustehnoloogia teel
Maurya, Himanshu Singh 2023 https://doi.org/10.23658/taltech.61/2023 https://digikogu.taltech.ee/et/Item/3dad7b12-4a7a-4c9d-8162-30388c52bf5e https://www.ester.ee/record=b5645217*est

Additively manufactured mesostructured MoSi2-Si3N4 ceramic lattice
Minasyan, Tatevik; **Liu, Le**; **Holovenko, Yaroslav**; **Aydinyan, Sofiya**; **Hussainova, Irina** Ceramics international 2019 / p. 9926-9933 https://doi.org/10.1016/j.ceramint.2019.02.035 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Addressing security issues in Industry 4.0 through quantum key distribution
Auriemma, Fabio; Ejrnaes, Mikkel Proceedings of the Estonian Academy of Sciences 2025 / p. 175-180 https://doi.org/10.3176/proc.2025.2.17

Adhesion of AlCrN coating deposited on TiB2/Ti composites sinteredby SPS dedicated for high temperature tribological applications
Michalczewski, Remigiusz; Kalbarczyk, M.; Slomka, Z.; **Hussainova, Irina**; **Liu, Le**; **Antonov, Maksim** IOP conference series : materials science and engineering 2021 / art. 012010, 9 p https://doi.org/10.1088/1757-899X/1140/1/012010

Adhesive wear of WC- and TiC-based friction stir welding tool materials for aluminium alloy welding [Electronic resource]
Kolnes, Mart; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; **Kolnes, Märt** European Powder Metallurgy Association : proceedings : 14 – 18 October 2018, Bilbao, Spain 2018 / 6 p. : ill. [USB] https://www.epma.com/publications/euro-pm-proceedings/product/euro-pm2018-proceedings-usb

ADSecData platform: an open-source data platform for autonomous driving cybersecurity
Roberts, Andrew James; **Malayjerdi, Mohsen**; **Bellone, Mauro**; **Sell, Raivo**; **Maennel, Olaf Manuel**; **Hamad, Mohammad**; **Steinhorst, Sebastian** 2025 IEEE 101st Vehicular Technology Conference, VTC2025-Spring, 17-20 June 2025, Oslo, Norway 2025 / 7 p https://www.etis.ee/Portal/Publications/Display/d6c0e7e7-c789-4c27-ae91-aabd943e3e7f

Advanced autonomous vehicle's functions for safety improvements in urban mobility context = Täiustatud autonoomsete sõidukite funktsioonid ohutuse parandamiseks linnaliikluse kontekstis
Malayjerdi, Ehsan 2022 https://doi.org/10.23658/taltech.46/2022 https://www.ester.ee/record=b5511689*est https://digikogu.taltech.ee/et/Item/b7da5652-066b-408c-81b4-d15cb6e46fca

Advanced machine learning and experimental studies of polypropylene based polyesters tribological composite systems for sustainable recycling automation and digitalization
Hussain, Abrar; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; **Goljandin, Dmitri**; **Hussainova, Irina**; **Podgurski, Vitali**; **Karjust, Kristo**; Maurya, Himanshu Singh; Rahmani Ahranjani, Ramin; Sinka, Maris International journal of lightweight materials and manufacture 2025 / p. 252-263 https://doi.org/10.1016/j.ijlmm.2024.11.001

Advanced trailing edge flap design for commercial aircraft
Lauk, Peep; **Tähemaa, Toivo**; Seegel, Karl-Erik [Aegats2018 prodeedings] 2018 / 7 p. : ill
https://www.etis.ee/File/DownloadPublic/abef8259-2fbd-485a-af5e-7900cff280a2?name=36_LAUK%20AEGATS.pdf&type=application%2Fpdf

Advanced, universal, and facile gel spinning-based aerogel fibrillation : in situ fabrication of highly stretchable TPU-silica hybrid network in ambient conditions
Omranpour, Hosseinali; Hassanifard, Soran; Monfared, Ali Reza; **Omranpour Shahreza, Babak**; Salehi, Amirmehdi; Jalali, Amirjalal; Kheradmandkeymousi, Mohamad; Rahman, Saadman Sakib; Behdinan, Kamran; Park, Chul B. Advanced composites and hybrid materials 2024 / art. 105 https://doi.org/10.1007/s42114-024-00911-9

Advancement in perception capabilities for autonomous vehicles : from dataset collection to scene interpretation = Autonoomsete sõidukite tajuvõimekuse täiustamine : andmekogumisest stseeni tõlgendamiseni
Gu, Junyi 2024 https://www.ester.ee/record=b5703761*est https://digikogu.taltech.ee/et/Item/a1d10aec-0115-4574-8548-356884ec5e86 https://doi.org/10.23658/taltech.60/2024

Advancement in production engineering education through Virtual Learning Factory Toolkit concept
Mahmood, Kashif; **Otto, Tauno**; **Kuts, Vladimir** Proceedings of the Estonian Academy of Sciences 2021 / p. 374-382 : ill https://doi.org/10.3176/proc.2021.4.02 Journal metrics at Scopus Aricle at Scopus Journal metrics at WOS Article at WOS

AI functionalities in cobot-based manufacturing for performance improvement in quality control application
Moor, Madis; **Sarkans, Martinš**; Kangru, Tavo; **Otto, Tauno**; **Riives, Jüri** Journal of machine engineering 2024 / p. 5-16 https://doi.org/10.36897/jme/189169

AI generated route data pre-processing for faster decision making
Maas, Rene; Ševtšenko, Eduard; **Karaulova, Tatjana** 2024 8th International Young Engineers Forum on Electrical and Computer Engineering (YEF-ECE) 2024 / p. 82-87 https://doi.org/10.1109/YEF-ECE62614.2024.10625086

Akadeemia juures tegutsevad ekspertkogud : Hariduskomisjon
Kübarsepp, Jakob Eesti Teaduste Akadeemia aastaraamat : faktid ja arvud = Annales Academiae Scientiarum Estonicae : 2023 2024 / lk. 21-22 https://www.ester.ee/record=b1218094*est

Akadeemia juures tegutsevad ekspertkogud : Hariduskomisjon
Kübarsepp, Jakob Eesti Teaduste Akadeemia aastaraamat : faktid ja arvud = Annales Academiae Scientiarum Estonicae : 2022 2023 / lk. 31-32 https://www.ester.ee/record=b1218094*est https://doi.org/3176/evp.2024.01

Akadeemia tegevusest 2015. aastal : informaatika ja tehnikateaduste osakond : akadeemik Jakob Kübarsepp : [ettekanne Eesti TA üldkogu koosolekul 20. apr. 2016]
Kübarsepp, Jakob Eesti Teaduste Akadeemia aastaraamat = Annales academiae scientarum Estonicae 2016 2017 / lk. 122-124 http://www.ester.ee/record=b1218094*est

Akadeemia tegevusest 2017. aastal : informaatika ja tehnikateaduste osakond : akadeemik Jakob Kübarsepp : [ettekanne Eesti TA üldkogu aastakoosolekul 20. apr. 2018]
Kübarsepp, Jakob Eesti Teaduste Akadeemia aastaraamat : faktid ja arvud = Annales Academiae Scientiarum Estonicae : 2018 2019 / lk. 44-45

[Akadeemik Jakob Kübarsepa ettekanne Eesti TA üldkogu aastakoosolekul 24. aprillil 2019]
Kübarsepp, Jakob Eesti Teaduste Akadeemia aastaraamat : faktid ja arvud = Annales Academiae Scientiarum Estonicae : 2019 2020 / lk. 79-80 https://www.ester.ee/record=b1218094*est

AlCo-rich AlCoNiFe and AlCoNiFeCr high entropy alloys: Synthesis and interaction pathway at high heating rates
Nazaretyan, K.; **Aydinyan, Sofiya**; Kirakosyan, H.; Moskovskikh, D.; Nepapushev, A.; Kuskov, K.; Tumanyan, M.; Zargaryan, A.; **Traksmaa, Rainer**; **Kharatyan, S.** Journal of alloys and compounds 2023 / art. 167589, 13 p https://doi.org/10.1016/j.jallcom.2022.167589 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Algoritm õpetab isejuhtiva auto möödasõite tegema
Imeline Teadus 2022 / lk. 21 : fot https://www.ester.ee/record=b2747925*est

Alloying of TiC-FeCr cermet in manganese vapor
Kolnes, Märt; **Tarraste, Marek**; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Viljus, Mart** IOP conference series : materials science and engineering 2021 / art. 012043 https://doi.org/10.1088/1757-899X/1140/1/012043

Alumina/graphene/Cu hybrids as highly selective sensor for simultaneous determination of epinephrine, acetaminophen and tryptophan in human urine
Taleb, Masoud; **Ivanov, Roman**; **Bereznev, Sergei**; Kazemi, Sayed Habib; **Hussainova, Irina** Journal of electroanalytical chemistry 2018 / p. 184-192 : ill https://doi.org/10.1016/j.jelechem.2018.06.013 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Alumina-graphene hybrid materials for electrochemical sensing of bio-analytes = Alumiiniumoksiid-grafeenhübriidmaterjalid biovedelike elektrokeemiliseks tuvastamiseks
Taleb, Masoud 2018 https://digi.lib.ttu.ee/i/?11202 https://www.ester.ee/record=b5180418*est

Aluminate-based nanostructured luminescent materials : design of processing and functional properties
Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Fernandez, Jose Francisco; **Hussainova, Irina** Materials 2021 / art. 4591 https://doi.org/10.3390/ma14164591 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Aluminium - stainless steel hybrid composites obtained by selective laser melting and centrifugal casting [Online resource]
Holovenko, Yaroslav; **Kollo, Lauri**; **Kolnes, Märt** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill http://fmtdk.ut.ee/teesid/

Aluminum matrix composites reinforced with metallic glass particles with core-shell structure
Guana, H.D.; Lia, C.J.; Gaoa, P.; **Prashanth, Konda Gokuldoss** Materials science and engineering : A 2020 / art. 138630, 5 p. : ill https://doi.org/10.1016/j.msea.2019.138630 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

An integrated platform for blended learning in engineering education
Makarova, Irina; Shubenkova, Ksenia; Tikhonov, Danila; **Pashkevich, Anton** Proceedings of the 9th International Conference on Computer Supported Education (CSEDU 2017) : April 21-23, 2017, in Porto, Portugal. Volume 2 2017 / p. 171-176 : ill http://dx.doi.org/10.5220/0006375601710176

An IoT course program to foster the adoption of IoT driven food and agriculture in Sub-Saharan Africa (SSA)
Kuaban, Godlove Suila; Nowak, Mateusz; Czekalski, Piotr; Tokarz, Krzysztof; Tangka, ulius Kewir; Siggursson, Kjartan; Nikitenko, Agris; Berkolds, Karlis; **Sell, Raivo** 2022 International Conference on Electrical, Computer and Energy Technologies (ICECET) 2022 / p. 1-7 https://doi.org/10.1109/ICECET55527.2022.9872825

An IoT-based approach to digitalize a manufacturing system
Mahmood, Kashif; **Otto, Tauno**; **Karaulova, Tatjana**; **Ševtšenko, Eduard** 17th International Symposium “Topical Problems in the Field of Electrical and Power Engineering”. Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 257-261 : ill http://ise.elnet.ee/record=b2950215~S2*est

Analysing adversarial threats to rule-based local-planning algorithms for autonomous driving
Roberts, Andrew James; **Malayjerdi, Mohsen**; **Bellone, Mauro**; **Maennel, Olaf Manuel**; **Malayjerdi, Ehsan** The Inaugural Symposium on Vehicle Security and Privacy (VehicleSec) 2023, 27 February 2023, San Diego, CA, USA 2023 / 8 p. : ill https://doi.org/10.14722/vehiclesec.2023.23086

Analysing the behaviour of road users and estimating efficiency of smart pedestrian crossing as a tool for sustainable road safety improvement = Liikluskäitumise analüüs ja targa ülekäiguraja tõhususe hindamine jätkusuutliku liiklusohutuse parandamiseks
Ess, Juri 2022 https://doi.org/10.23658/taltech.35/2022 https://www.ester.ee/record=b5502798*est https://digikogu.taltech.ee/et/Item/55ddb22b-6b51-45d2-a644-d4ccca822be6

Analysis and design of graphene laminates [Online resource]
Majak, Jüri; **Kirs, Maarjus**; **Karjust, Kristo** International Conference "Functional Materials and Nanotechnologies 2017" : Tartu, Estonia in April, 24-27, 2017 : book of abstracts 2017 / p. 67 http://www.ester.ee/record=b4668793*est

Analysis and design of multifunctional laminated glass composite structures
Majak, Jüri; **Pohlak, Meelis**; **Õunapuu, Erko**; **Auriemma, Fabio**; **Rämmal, Hans**; **Saarts, Samo** 24th International Conference on Composites/Nano-Engineering : ICCE-24 : Haikou, Hainan Island, China, July 17-23, 2016 2016 / [2] p. : ill

Analysis and design optimisation of glass structures = Klaaskonstruktsioonide analüüs ning optimeerimine
Õunapuu, Erko 2019 https://digikogu.taltech.ee/et/Item/1851ce66-14f9-486e-9153-414b75cb0495 https://www.ester.ee/record=b5284651*est

Analysis and study of the influence of the geometrical parameters of mini unmanned quad-rotor helicopters to optimise energy saving
Penkov, Igor; **Aleksandrov, Dmitri** International journal of automotive and mechanical engineering 2017 / p. 4730-4746 : ill https://doi.org/10.15282/ijame.14.4.2017.11.0372 Journal metrics at Scopus Article at Scopus

Analysis of causes of the end of service life of a spray polyurethane foam and polyurea roof
Kalamees, Targo; **Ilomets, Simo**; **Põldaru, Mattias**; **Klõšeiko, Paul**; **Kallavus, Urve**; **Rosenberg, Margit**; **Õiger, Karl** E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 15002, 6 p. : ill https://doi.org/10.1051/e3sconf/202017215002 Conference proceedings at Scopus Article at Scopus Article at WOS

Analysis of Industry 4.0 capabilities: a perspective of educational institutions and needs of industry
Mahmood, Kashif; **Otto, Tauno**; Kristensen, Jesper H.; Heidemann Lassen, Astrid; Brunoe, Thomas D.; Schou, Casper; Christiansen, Lasse; Laursen, Esben Skov Towards Sustainable Customization : Bridging Smart Products and Manufacturing Systems : proceedings of the 8th Changeable, Agile, Reconfigurable and Virtual Production Conference (CARV2021) and the 10th World Mass Customization & Personalization Conference (MCPC2021), Aalborg, Denmark, October/November 2021 2022 / p. 887–894 https://doi.org/10.1007/978-3-030-90700-6_101 Conference proceedings at Scopus Article at Scopus

Analysis of machine production processes by risk assessment approach
Mahmood, Kashif; **Ševtšenko, Eduard** Journal of machine engineering 2015 / p. 112-124 : ill

Analysis of microstructure and abrasive wear of Fe-based hardfacings with TiC, in-situ synthesized from TiO2
Yöyler, Sibel; **Surzhenkov, Andrei**; **Antonov, Maksim**; **Viljus, Mart**; **Traksmaa, Rainer**; **Juhani, Kristjan** Euro PM2023 : proceedings 2023 / art. 195090 https://doi.org/10.59499/EP235762969

Analysis of STEM teaching - most common strategies and methods enabling deep understanding and interactive learning applied by graduates of technical teacher initial and continuing education programs in Estonia
Rüütmann, Tiia Interactive Collaborative Learning : proceedings of the 19th ICL Conference - Volume 1 2017 / p. 405-414 : ill https://doi.org/10.1007/978-3-319-50337-0_39 Conference proceedings at Scopus Article at Scopus

Analysis of the reciprocal wear testing of Aluminum AA1050 processed by a novel mechanical nanostructuring technique
Omranpour Shahreza, Babak; **Kommel, Lembit**; **Sergejev, Fjodor**; **Ivanisenko, Yulia**; **Antonov, Maksim** IOP conference series : materials science and engineering 2021 / art. 012051, 6 p. : ill https://doi.org/10.1088/1757-899X/1140/1/012051

Analysis of torque distribution in ball-screw mechanisms under extreme temperature conditions
Penkov, Igor Transport means 2018 : proceedings of the international scientific conference : part I 2018 / p. 33-36 : ill https://transportmeans.ktu.edu/wp-content/uploads/sites/307/2018/02/Transport-means-I-dalis-2018-09-25.pdf

Anisotropic thermal conduction in hierarchically structured composite using graphene-augmented alumina nanofibers
Saffarshamshirgar, Ali; **Ivanov, Roman**; Gasik, Michael; **Hussainova, Irina** XVI Conference and Exhibition Of The European Ceramic Society : abstract book 2019 / p. 167

Annealing of Al-Zn-Mg-Cu alloy at high pressures : evolution of microstructure and the corrosion behavior
Suo, Chuanjun; Ma, Pan; Jia, Yandong; Liu, Xiao; Shi, Xuerong; Yu, Zhishui; **Prashanth, Konda Gokuldoss** Materials 2021 / art. 2076, 17 p. : ill https://doi.org/10.3390/ma14082076 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Application of agricultural waste as heterogeneous catalysts for biodiesel production
Khan, Haris Mahmood; Iqbal, Tanveer; Yasin, Saima; Ali, Chaudhry Haider; Abbas, Muhammad Mujtaba; Jamil, Muhhammad Asif; **Hussain, Abrar**; Soudagar, Manzoore Elahi M.; Rahman, Muhammad Muhitur Catalysts 2021 / art. 1215, 17 p. : ill https://doi.org/10.3390/catal11101215 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Application of artificial intelligence and machine learning for BIM : review
Bassir, David; Lodge, Hugo; Chang, Haochen; **Majak, Jüri**; Chen, Gonfa International journal for simulation and multidisciplinary design optimization 2023 / art. 5 https://doi.org/10.1051/smdo/2023005 Journal metrics at Scopus Article at Scopus

Application of component organized learning method for DIGSCM 4.0 hybrid courses
Ševtšenko, Eduard; Maas, Rene; **Karaulova, Tatjana**; Truver, Anna; Nikolajeva, Anna; Revals, Ritvars; Popell, Janek; Dembovska, Iveta; Samuolaitis, Mindaugas; Raupeliene, Asta Learning in the Age of Digital and Green Transition : proceedings of the 25th International Conference on Interactive Collaborative Learning (ICL2022), Volume 1 2023 / p. 157-170 https://doi.org/10.1007/978-3-031-26876-2_15 https://link.springer.com/chapter/10.1007/978-3-031-26876-2_15 Conference proceedings at Scopus Article at Scopus Article at WOS

Application of HOHWM based function approximation algorithms in engineering design
Mäe, Tiina; **Plamus, Tiia**; **Majak, Jüri**; **Karunanidhi, Ramachandran**; **Rahman, Md Toufiqur** International conference of numerical analysis and applied mathematics ICNAAM 2021 : Rhodes, Greece, 20–26 September 2021 2023 / art. 250003 https://doi.org/10.1063/5.0162255 Conference Proceedings at Scopus Article at Scopus

Application of HOHWM for vibration analysis of nanobeams
Kirs, Maarjus; **Eerme, Martin**; Bassir, David; **Tungel, Ernst** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 230-235 https://www.scientific.net/KEM.799.230 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.230 Conference proceeding at Scopus Article at Scopus

Application of HoHWM in the stability analysis of nonlocal Euler-Bernoulli beam
Jena, Subrat Kumar; Chakraverty, Snehashish; **Ratas, Mart**; **Kirs, Maarjus** International Conference of Numerical Analysis and Applied Mathematics ICNAAM 2019 : 23–28 September 2019 Rhodes, Greece 2020 / art. 230003 https://doi.org/10.1063/5.0026439 Conference Proceedings at Scopus Article at Scopus Article at WOS

Application of simulation modeling to improve management of technological processes during production of automotive components
Khabibullin, Rifat; Makarova, Irina; **Pashkevich, Anton**; Mavrin, Vadim; Shubenkova, Ksenia 17th Mechatronika 2016 : proceedings of the 2016 17th International Conference on Mechatronics - Mechatronika (ME) 2016 : Prague, Czech Republic, December 7-9, 2016 2016 / p. 43-49 : ill http://ieeexplore.ieee.org/document/7827791/

Application of Taguchi method for in-situ synthesis of TiC from TiO2–graphite powders in PTAW hardfacings and characterization thereof
Yöyler, Sibel; **Surzhenkov, Andrei**; **Viljus, Mart**; **Traksmaa, Rainer**; **Juhani, Kristjan** Modern materials and manufacturing 2023 : Tallinn, Estonia, 2-4 May 2023 2024 / art. 040007 https://doi.org/10.1063/5.0189317 Conference proceedings at Scopus Article at Scopus

Applications of digital twin across industries : a review
Singh, Maulshree; Srivastava, Rupal; Fuenmayor, Evert; **Kuts, Vladimir**; Qiao, Yuansong; Murray, Niall; Devine, Declan Applied sciences 2022 / art. 5727 https://doi.org/10.3390/app12115727

An approach to analyze the performance of advanced manufacturing environment
Mahmood, Kashif; **Otto, Tauno**; **Golova, Jelena**; **Kangru, Tavo**; **Kuts, Vladimir** Procedia CIRP 2020 / p. 628−633 https://doi.org/10.1016/j.procir.2020.04.042 Conference Proceedings at Scopus Article at Scopus

An approach to develop a digital twin for industry 4.0 systems : manufacturing automation case studies
Guerra-Zubiaga, David; **Kuts, Vladimir**; **Mahmood, Kashif**; **Bondar, Alex**; Nasajpour-Esfahani, Navid; **Otto, Tauno** International Journal of Computer Integrated Manufacturing 2021 / p. 933-949 : ill https://doi.org/10.1080/0951192X.2021.1946857 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Arduino projektid alustajale
Sell, Raivo; Raid, Kaupo 2017 http://www.ester.ee/record=b4686444*est

Arengud tööstuses ja väljakutsed Eesti masinaehituses
Riives, Jüri Eesti Masinatööstuse Liit. TTÜ mehaanika ja tööstustehnika instituut 85 2021 / lk. 89-91 : fot

Assemblage of turbulent jet flows through static particulate media
Lauk, Peep; Rebassa, Josep Hueso; **Kartušinski, Aleksander**; **Tisler, Sergei**; **Tähemaa, Toivo**; Polonsky, Andrei Proceedings of the Estonian Academy of Sciences 2016 / p. 284-296 : ill https://doi.org/10.3176/proc.2016.3.05 https://artiklid.elnet.ee/record=b2798402*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Assessment of 3D printed steels and composites intended for wear applications in abrasive, dry or slurry erosive conditions
Kumar, Rahul, 1993-; **Antonov, Maksim**; Beste, U.; **Goljandin, Dmitri** International journal of refractory metals and hard materials 2020 / art. 105126, 9 p. : ill https://doi.org/10.1016/j.ijrmhm.2019.105126 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Assessment of abrasive powder behaviour during impact-abrasive wear of PCD elements
Gomon, Dmitri; **Auriemma, Fabio**; **Antonov, Maksim** Wear 2019 / p. 151-161 : ill https://doi.org/10.1016/j.wear.2019.03.024 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Assessment of durability of environmentally friendly wood-based panels
Kallavus, Urve; **Järv, Hele**; **Kalamees, Targo**; **Kurik, Lembit** Energy procedia 2017 / p. 207–212 : ill https://doi.org/10.1016/j.egypro.2017.09.756 Conference proceedings at Scopus Article at Scopus Article at WOS

Assessment of the economic regulation of network industries : oil shale value chain in Estonia
Uukkivi, Raigo; **Koppel, Ott** Oil shale 2020 / p. 158-176 : ill https://doi.org/10.3176/oil.2020.2.05 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

At the Dawn of a New Era of Sanctions: Russian-Ukrainian Crisis and Sanctions
Veebel, Viljar; **Markus, Raul** Orbis 2016 / p. 128 - 139 https://doi.org/10.1016/j.orbis.2015.12.001 Journal metrics at Scopus Article at Scopus

Attracting youth to the occupations in the food industry, agriculture and engineering : issues for policy and practice
Tandzegolskiene, Ilona; Tutlys, Vidmantas; **Ševtšenko, Eduard** ICERI 2018 : 11th International Conference of Education, Research and Innovation Seville (Spain) 12-14 November, 2018 : conference proceedings 2018 / p. 1637-1643 http://dx.doi.org/10.21125/iceri.2018.1369

Augmented reality interface for industrial robot control and teleoperation
Ordile, Laura; **Bondarenko, Yevhen**; **Pizzagalli, Simone Luca**; **Kuts, Vladimir**; **Otto, Tauno** EuroXR 2021: Proceedings of the Virtual EuroXR Conference 2021 / p. 15-19 https://sarjaweb.vtt.fi/pdf/technology/2021/T395.pdf https://doi.org/10.32040/2242-122X.2021.T395

Autonomous driving in the real-world : the weather challenge in the Sohjoa Baltic Project
Bellone, Mauro; Ismailogullari, Azat; **Müür, Jaanus**; Nissin, Oscar; **Sell, Raivo**; **Soe, Ralf-Martin** Towards connected and autonomous vehicle highways : technical, security and social challenges 2021 / p. 229–255 https://doi.org/10.1007/978-3-030-66042-0_9

Article collection metrics at Scopus Article at Scopus

Autonomous driving validation and verification using digital twins
Pikner, Heiko; **Malayjerdi, Mohsen**; **Bellone, Mauro**; **Baykara, Baris Cem**; **Sell, Raivo** Proceedings of the 10th International Conference on Vehicle Technology and Intelligent Transport Systems - VEHITS ; Vol. 1 2024 / p. 204-211 https://doi.org/10.5220/0012546400003702 Conference Proceeding at Scopus Article at Scopus

Autonomous last mile shuttle ISEAUTO for education and research
Sell, Raivo; **Leier, Mairo**; **Rassõlkin, Anton**; **Ernits, Juhan-Peep** International journal of artificial intelligence and machine learning 2020 / p. 18−30 https://doi.org/10.4018/IJAIML.2020010102

Autonomous mobile robots for production logistics: a process optimization model modification
Raamets, Tõnis; **Majak, Jüri**; **Karjust, Kristo**; **Mahmood, Kashif**; **Hermaste, Aigar** Proceedings of the Estonian Academy of Sciences 2024 / p. 134-141 : ill https://doi.org/10.3176/proc.2024.2.06

Autonomous vehicle safety evaluation through a high-fidelity simulation approach
Malayjerdi, Mohsen; **Baykara, Baris Cem**; **Sell, Raivo**; **Malayjerdi, Ehsan** Proceedings of the Estonian Academy of Sciences 2021 / p. 413-421 : ill https://doi.org/10.3176/proc.2021.4.07 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Autonomous vehicle shuttle in Smart City testbed
Sell, Raivo; **Soe, Ralf-Martin**; **Wang, Ruxin**; **Rassõlkin, Anton** Intelligent System Solutions for Auto Mobility and Beyond : Advanced Microsystems for Automotive Applications 2020 2021 / p. 143–157 https://doi.org/10.1007/978-3-030-65871-7_11

Avarii avarii otsa. Saatejuht Tiina Park ajas inimese ülekäigurajal alla
Vainküla, Kirsti Eesti Ekspress 2024 https://dea.digar.ee/article/eestiekspress/2024/03/20/23.1

Avatud ja hägus : tärkavate disainipraktikate kaardistamine [Võrguteavik]
Melioranski, Ruth-Helene; **Pärn, Martin** 2020 https://www.ester.ee/record=b5449374*est

Average residual stresses in hard Physical Vapor Deposited (PVD) coatings
Lille, Harri; Ryabchikov, Alexander; Kõo, Jakub; **Mikli, Valdek**; **Adoberg, Eron**; **Vagiström, Heinar**; **Kübarsepp, Jakob**; **Peetsalu, Priidu** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 20-25 : ill https://doi.org/10.4028/www.scientific.net/KEM.799.20 https://www.scientific.net/KEM.799.20 https://www.ester.ee/record=b5235278*est Conference proceeding at Scopus Article at Scopus

Axial and torsional buckling analysis of single- and multi-walled carbon nanotubes : finite element comparison between armchair and zigzag types
Rahmani Ahranjani, Ramin; **Antonov, Maksim** SN Applied Sciences 2019 / art. 1134, 13 p. : ill https://doi.org/10.1007/s42452-019-1190-0

Balloon expandable coronary stent materials : a systematic review focused on clinical success
Vishnu, Jithin; Manivasagam, Geetha; Mantovani, Diego; **Prashanth, Konda Gokuldoss** In vitro models 2022 / p. 151-175 https://doi.org/10.1007/s44164-022-00009-w

Balti riikide ja Venemaa vahelised kaubandussuhted : rajasõltuvus või majanduslik ratsionaalsus?
Markus, Raul; Veebel, Viljar Estonian discussions on economic policy : problems of the national regional policy. Special edition in honour of prof. Sulev Mäeltsemees. Scientific discussions on economic policy in Estonia for the twenty fifth time (1984-2017) = Estnische Gespräche über Wirtschaftspolitik : Probleme der staatlichen Regionalpolitik. Festschrift für Prof. Sulev Mäeltsemees. Estnische wirtschaftspolitische Gespräche schon fünfundzwanzig Jahre in Folge (1984-2017) = Eesti majanduspoliitilised väitlused : riigi regionaalpoliitika probleemid prof. Sulev Mäeltsemehele pühendatud eriväljaanne : kahekümne viiendat korda majanduspoliitilisi teadusväitlusi Eestis (1984-2017) : [artiklite kokkuvõtted] 2017 / lk. 39-41

Baltimaade ülikoolidelt kooliõpetajatele : materjalid inseneerihariduse populariseerimiseks
Ševtšenko, Eduard Mente et Manu 2019 / lk. 42-45 : fot https://www.ester.ee/record=b1242496*est https://www.ttu.ee/public/m/mente-et-manu/MM_01_2019/mobile/index.html

Behaviour of tungsten alloy with iron and nickel under repeated high temperature plasma pulses
Laas, T.; Laas, K.; Paju, J.; **Priimets, Jaanis**; Tõkke, Siim; Väli, B.; **Shirokova, Veroonika**; **Antonov, Maksim**; Gribkov, V.A.; Demina, E.V.; Pimenov, V.N.; Paduch, M.; Matulka, R.; Akel, M. Fusion engineering and design 2020 / art. 111408 https://doi.org/10.1016/j.fusengdes.2019.111408 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The beneficial effect of reusable food boxes on the green transition
Tähemaa, Toivo; **Sarkans, Martinš**; **Sarand, Inga**; **Pohlak, Meelis**; **Niidas, Alar** Modern Materials and Manufacturing 2023 : Tallinn, Estonia, 2–4 May 2023 2024 / art. 030012 https://doi.org/10.1063/5.0189325 Conference proceedings at Scopus Article at Scopus

Beneficial effects of bio-fabricated selenium nanoparticles as seed nanopriming agent on seed germination in rice (Oryza sativa L.)
Setty, Jyotsna; Samant, Sanjib Bal; **Yadav, Mayank Kumar**; Manjubala, Muthusamy; Pandurangam, Vijai Scientific Reports 2023 / art. 22349 https://doi.org/10.1038/s41598-023-49621-0 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Between EU membership and the sanctions regime against Russia: Factors behind the collapse of Estonian transit sector
Veebel, Viljar; **Markus, Raul** Romanian journal of European affairs 2019 / p. 107-130 : ill https://heinonline.org/HOL/Page?collection=journals&handle=hein.journals/rojaeuf19&id=223&men_tab=srchresults Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bidirectional Mo4/3CTx MXene/graphene aerogels for tailored microwave absorption
Shamshirgar, Ali Saffar; Qin, Leiqiang; **Rojas Hernandez, Rocio Estefania**; Halim, Joseph; Fernandez, Jose F.; **Hussainova, Irina**; Rosen, Johanna ACS Applied Nano Materials 2025 / p. 1978−1990 https://doi.org/10.1021/acsanm.4c06555

Bifunctional oxygen electrocatalyst based on Fe, Co, and nitrogen co-doped graphene-coated alumina nanofibers for Zn-air battery air electrode
Mooste, Marek; Ahmed, Zubair; Kapitulskis, Pavels; **Ivanov, Roman**; Treshchalov, Alexey; Piirsoo, Helle-Mai; Kikas, Arvo; Kisand, Vambola; Kukli, Kaupo; **Hussainova, Irina**; Tammeveski, Kaido Applied Surface Science 2024 / art. 160024 https://doi.org/10.1016/j.apsusc.2024.160024 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bioactive ceramic scaffolds for bone tissue engineering by powder bed selective laser processing : a review
Kamboj, Nikhil Kumar; Ressler, Antonia; **Hussainova, Irina** Materials 2021 / art. 5338 https://doi.org/10.3390/ma14185338 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bioceramic scaffolds by additive manufacturing for controlled delivery of the antibiotic vancomycin
Kamboj, Nikhil Kumar; Rodriguez, Miguel Angel; **Rahmani Ahranjani, Ramin**; **Prashanth, Konda Gokuldoss**; **Hussainova, Irina** Proceedings of the Estonian Academy of Sciences 2019 / p. 185–190 : ill https://doi.org/10.3176/proc.2019.2.10 http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-185-190.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bioinert ceramics scaffolds for bone tissue engineering by laser-based powder bed fusion : a preliminary review
Kamboj, Nikhil Kumar; Piili, H.; Ganvir, A.; Gopaluni, A.; Nayak, C.; Moritz, N.; Salminen, A. Nordic laser materials processing conference (NOLAMP19) 22-24. august 2023, Turku, Finland : Programme and abstract book 2023 / p. 66 https://nolamp19.fi/

Bioinert ceramics scaffolds for bone tissue engineering by laser-based powder bed fusion : a preliminary review
Kamboj, Nikhil Kumar; Piili, H.; Ganvir, A.; Gopaluni, A.; Nayak, C.; Moritz, N.; Salminen, A. IOP conference series : materials science and engineering 2023 / art. 012022, 10 p. : ill https://doi.org/10.1088/1757-899X/1296/1/012022

Bioinspired and multifunctional tribological materials for sliding, erosive, machining, and energy-absorbing conditions : A review
Kumar, Rahul, 1993-; **Rezapourianghahfarokhi, Mansoureh**; Rahmani Ahranjani, Ramin; **Maurya, Himanshu Singh**; **Kamboj, Nikhil Kumar**; **Hussainova, Irina** Biomimetics 2024 / art. 209 https://doi.org/10.3390/biomimetics9040209 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bio-inspired TiB2-TiB-TiN lattices by selective laser melting
Liu, Le; **Minasyan, Tatevik**; **Kamboj, Nikhil**; **Aydinyan, Sofiya**; **Hussainova, Irina** Materials Letters 2020 / art. 128337 https://doi.org/10.1016/j.matlet.2020.128337 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Biomass-derived graphene-like catalyst material for oxygen reduction reaction
Kaare, Kätlin; Yu, Eric; Käämbre, Tanel; Volperts, Aleksandrs; Dobele, Galina; Zhurinsh, Aivars; Niaura, Gediminas; Tamasauskaite-Tamasiunaite, Loreta; Norkus, Eugenijus; Kruusenberg, Ivar ChemNanoMat 2021 https://doi.org/10.1002/cnma.202000615

Biomechanical Features of Graphene-Augmented Inorganic Nanofibrous Scaffolds and Their Physical Interaction with Viruse
Gasik, Michael; **Ivanov, Roman**; Kazantseva, Jekaterina; Bilotsky, Yevgen; **Hussainova, Irina** Materials 2021 / art. 164 https://doi.org/10.3390/ma14010164 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Biomimetic design of implants for long bone critical-sized defects
Rezapourianghahfarokhi, Mansoureh; **Kamboj, Nikhil Kumar**; Jasiuk, Iwona; **Hussainova, Irina** Journal of the mechanical behavior of biomedical materials 2022 / art. 105370 https://doi.org/10.1016/j.jmbbm.2022.105370 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Biomimetics

2024 https://www.mdpi.com/journal/biomimetics/special_issues/0K2292JW30

Biomimicry and novel structures : advancing the design paradigm of bone implants = Biomimikri ja uudsed struktuurid : luuimplantaatide disainiparadigma edendamine
Rezapourianghahfarokhi, Mansoureh 2024 https://doi.org/10.23658/taltech.9/2024 https://www.ester.ee/record=b5667691*est https://digikogu.taltech.ee/et/Item/7c3aec59-9566-41cb-b59d-b896fa72100e

Biomorphic porous Ti6Al4V gyroid scaffolds for bone implant applications fabricated by selective laser melting
Hameed, Pearlin; Liu, Chia-Fei; Ummethala, Raghunandan; Singh, Neera; Huang, Her-Hsiung; Manivasagam, Geetha; **Prashanth, Konda Gokuldoss** Progress in additive manufacturing 2021 / p. 455–469 : ill https://doi.org/10.1007/s40964-021-00210-5 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Blockchain technology on the way of autonomous vehicles development
Narbayev, Saltanat; Bakibayev, Timur; Abeshev, Kuanysh; Makarova, Irina; Shubenkova, Ksenia; **Pashkevich, Anton** Transportation research procedia 2020 / p. 168−175 https://doi.org/10.1016/j.trpro.2020.02.024 Conference Proceedings at Scopus Article at Scopus Article at WOS

Blockchain-based solution for supply chain traceability: the case of SmartLog Project
Pilvik, Riivo; **Kõrbe Kaare, Kati**; **Koppel, Ott** 2021 9th International Conference on Traffic and Logistic Engineering (ICTLE) 2021 / p. 57-63 https://doi.org/10.1109/ICTLE53360.2021.9525749

Boosting phosphorescence efficiency by crystal anisotropy in SrAl2O4:Eu,Dy textured ceramic layers
Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Serrano, Aida; **Hussainova, Irina**; Fernandez, Jose Francisco Journal of the European Ceramic Society 2020 / p. 1677−1683 : ill https://doi.org/10.1016/j.jeurceramsoc.2019.11.019 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bridging the gap between technology and usability for portable brain trauma scanning device
Priidel, Eiko; Mikola, Annika; **Gordon, Rauno**; **Martsepp, Maret**; **Kenkre, Pranay**; **Taros, Taavi**; **Pärenson, Taavet** The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [2] p. : ill

Bridging the gap between technology and usability for portable brain trauma scanning device
Priidel, Eiko; Mikola, Annika; **Gordon, Rauno**; **Martsepp, Maret**; **Kenkre, Pranay**; **Taros, Taavi**; **Pärenson, Taavet** International journal of bioelectromagnetism 2015 / p. 87-89 : ill

Bussi ja rongiga sõitjaid võib tabada valus hoop
postimees.ee 2024 Bussi ja rongiga sõitjaid võib tabada valus hoop

The bust, the boom and the sanctions in trade relations with Russia
Veebel, Viljar; **Markus, Raul** Journal of International Studies 2018 / p. 9-20 https://doi.org/10.14254/2071-8330.2018/11-1/1 Journal metrics at Scopus Article at Scopus

Calculating power distribution system reliability indexes from Smart Meter data
Kuhi, Kristjan; **Kõrbe Kaare, Kati**; **Koppel, Ott**; **Palu, Ivo** 2016 IEEE International Energy Conference (ENERGYCON) : [Leuven, Belgium, 4-8 April 2016] 2016 / [5] p. : ill https://doi.org/10.1109/ENERGYCON.2016.7513905

Calculation method for plates with discrete variable thickness under uniform loading or hydrostatic pressure
Aryassov, G.; Gornostajev, Dmitri; **Penkov, Igor** International journal of applied mechanics and engineering 2018 / p. 835–853 https://doi.org/10.2478/ijame-2018-0046 Journal metrics at Scopus Article at Scopus

Calculation of the traction effort of ISEAUTO self-driving vehicle
Rassõlkin, Anton; **Gevorkov, Levon**; **Vaimann, Toomas**; **Kallaste, Ants**; **Sell, Raivo** 2018 25th International Workshop on Electric Drives: Optimization in Control of Electric Drives (IWED) 2018 / p. 1-5 : ill https://doi.org/10.1109/IWED.2018.8321397

Camera-LiDAR fusion based object segmentation in adverse weather conditions for autonomous driving
Gu, Junyi; **Bellone, Mauro**; Lind, Artjom 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 https://doi.org/10.1109/BEC61458.2024.10737955 Conference proceedings at Scopus Article at Scopus Article at WOS

Carbonation and leaching behaviors of cement-free monoliths based on high-sulfur fly ashes with the incorporation of amorphous calcium aluminate
Usta, Mustafa Cem; **Yörük, Can Rüstü**; **Uibu, Mai**; **Traksmaa, Rainer**; **Hain, Tiina**; **Gregor, Andre**; **Trikkel, Andres** ACS omega 2023 / p. 29543–29557 : ill https://doi.org/10.1021/acsomega.3c03286 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Carpe diem! : mõtteid aastast 2019 ja elust üldse...
Leppik, Peep 2020 https://www.ester.ee/record=b5299514*est

Case study of outdoor digital screens effect on drivers
Parker, Martin; **Rosin, Argo**; **Antov, Dago**; **Varjas, Toivo**; **Möller, Taavi**; Gorislavskaja, Inna 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 7 p https://doi.org/10.1109/RTUCON62997.2024.10830768

A case study of printed circuit boards recycling by disintegrator technology
Klauson, Artur; **Goljandin, Dmitri**; **Kulu, Priit**; **Antonov, Maksim**; Gustafsson, Göran; Davoodi, Ali Modern materials and manufacturing 2023 : Tallinn, Estonia, 2-4 May 2023 2024 / art. 040014 https://doi.org/10.1063/5.0189208 Conference proceedings at Scopus Article at Scopus

Cavitation resistance of WC-10Co4Cr and WC-20CrC-7Ni HVAF coatings
Korobov, Yuri; Alwan, H.; Soboleva, Natalia; **Antonov, Maksim** Journal of Thermal Spray Technology 2022 / p. 234–246 https://doi.org/10.1007/s11666-021-01242-7 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cavitation-dispersion method for copper cementation from wastewater by iron powder
Shishkin, Andrei; Mironovs, Viktors; Vu, Hong; Novak, Pavel; **Baroninš, Janis**; Polyakov, Alexandr; Ozolins, Jurijs Metals 2018 / art. 920, 11 p. : ill https://doi.org/10.3390/met8110920 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

CCD IK implementatsion in unity for finding the angles of industrial robots' links
Nutonen, Karle; **Kuts, Vladimir**; **Otto, Tauno** ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE) ; vol. 2 2024 / art. IMECE2024-142320, V002T03A072 ; 5 p. https://doi.org/10.1115/IMECE2024-142320

Cermets with Fe-alloy binder : a review
Kübarsepp, Jakob; **Juhani, Kristjan** International journal of refractory metals and hard materials 2020 / art. 105290, 25 p. : ill https://doi.org/10.1016/j.ijrmhm.2020.105290 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Changes in engineering education in the transition to a digital society
Makarova, Irina; Boyko, Aleksey; Giniyatullin, Ilsur; **Pashkevich, Anton**; Mukhametdinov, Eduard 2020 21th International Carpathian Control Conference (ICCC) 2020 / 6 p https://doi.org/10.1109/ICCC49264.2020.9257231

Chaos control in multi-agent hierarchical teamwork
Källo, Rommi; **Eerme, Martin**; **Reedik, Vello** Socio-technical synergetics 2024 / p. 125-159 : ill https://www.ester.ee/record=b5651350*est

Characterization of gas-atomized equiatomic AlCoCrFeNi powder for additive manufacturing
Karimi, Javad; **Kollo, Lauri**; **Prashanth, Konda Gokuldoss** Metallurgical and materials transactions A : Physical metallurgy and materials science 2023 / p. 3417-3424 : ill https://doi.org/10.1007/s11661-023-07129-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Characterization of organosolv lignins and their application in the preparation of aerogels
Jõul, Piia; **Ho, Tran T.**; **Kallavus, Urve**; **Konist, Alar**; **Leiman, Kristiina**; **Salm, Olivia-Stella**; **Kulp, Maria**; **Koel, Mihkel**; **Lukk, Tiit** Materials 2022 / art. 2861 https://doi.org/10.3390/ma15082861 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Chemical vapour deposition of graphene coating onto ceramic nanofibers substrates and applications thereof = Grafeenpinde keemiline aursadestus keraamilistele nanokiududele ja nende kasutus
Ivanov, Roman 2017 https://digi.lib.ttu.ee/i/?9128

Circular economy approach to recycling technologies of post-consumer textile waste in Estonia : a review
Hussain, Abrar; **Kamboj, Nikhil Kumar**; **Podgurski, Vitali**; **Antonov, Maksim**; **Goljandin, Dmitri** Proceedings of the Estonian Academy of Sciences 2021 / p. 80-90 : ill https://doi.org/10.3176/proc.2021.1.07 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Circular production, designing, and mechanical testing of polypropylene-based reinforced composite materials : statistical analysis for potential automotive and nuclear applications
Hussain, Abrar; **Podgurski, Vitali**; **Goljandin, Dmitri**; **Antonov, Maksim**; **Sergejev, Fjodor**; **Krasnou, Illia** Polymers 2023 / art. 3410, 30 p. : ill https://doi.org/10.3390/polym15163410 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Circumventing Solidification Cracking Susceptibility in Al–Cu Alloys Prepared by Laser Powder Bed Fusion
Xi, Lixia; Lu, Qiuyang; Gu, Dongdong; Cao, Shaoting; Zhang, Han; Kaban, Ivan; Sarac, Baran; **Prashanth, Konda Gokuldoss**; Eckert, Jürgen 3D Printing and Additive Manufacturing 2024 / p. E731 - E742 https://doi.org/10.1089/3dp.2022.0207 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

CLFT : camera-LiDAR fusion transformer for semantic segmentation in autonomous driving
Gu, Junyi; **Bellone, Mauro**; Pivonka, Tomas; **Sell, Raivo** IEEE Transactions on Intelligent Vehicles 2024 / 12 p

https://doi.org/10.1109/TIV.2024.3454971

CLFT : camera-LiDAR fusion transformer for semantic segmentation in autonomous driving : preprint
Gu, Junyi; **Bellone, Mauro**; **Pivonka, Tomas**; **Sell, Raivo** arXiv.org 2024 / 12 p. : ill https://doi.org/10.48550/arXiv.2404.17793

Cluster approach in organization of transportation in the Baltic Sea Region
Nežerenko, Olga; **Koppel, Ott**; **Tuisk, Tarmo** Transport 2017 / p. 167-179 : ill https://doi.org/10.3846/16484142.2014.994225 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cobalt- and nickel-free titanium and chromium carbide-based cermets = Koobalti- ja nikli-vabad titaankarbiid- ja kroomkarbiidkermised
Kolnes, Märt 2018 https://digi.lib.ttu.ee/i/?9960 https://www.ester.ee/record=b5138030*est

CoB-TiB2 crystalline powders : Synthesis, microstructural analysis and their utilization as reinforcement agent
Khoshsima, Sina; Altıntas, Zerrin; Burkhardt, Ulrich; Schmidt, Marcus; **Prashanth, Konda Gokuldoss**; Somer, Mehmet; Balci, Özge Advanced powder technology 2020 / p. 2964-2972 https://doi.org/10.1016/j.apt.2020.05.026 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Coherent enterprise information modeling for 5G private network feasibility
Jairus, Tanel; **Pilvik, Riivo**; **Kõrbe Kaare, Kati**; Sadam, Arvi; Kuhi, Kristjan Proceedings of the Estonian Academy of Sciences 2024 / p. 100-107 https://doi.org/10.3176/proc.2024.2.01

Coherent enterprise information modelling for 5G private network feasibility
Jairus, Tanel; **Pilvik, Riivo**; **Kõrbe Kaare, Kati**; Sadam, Arvi; Kuhi, Kristjan Modern materials and manufacturing 2023 : Tallinn, Estonia, 2-4 May 2023 2024 / art. 020012 https://doi.org/10.1063/5.0196899 Conference proceedings at Scopus Article at Scopus

Coin Hoard from Varudi – Vanaküla. Questions and Answers in Conservation
Viljus, Aive; **Viljus, Mart** International journal of conservation science 2017 / p. 599−606 : ill http://www.ijcs.uaic.ro/public/IJCS-17-57_Viljus.pdf Journal metrics at Scopus Article at Scopus

Collaborative project management framework for partner network initiation
Ševtšenko, Eduard; **Poljantšikov, Igor**; **Mahmood, Kashif**; **Kangilaski, Taivo**; **Norta, Alexander** Procedia engineering 2015 / p. 159-168 : ill https://doi.org/10.1016/j.proeng.2015.01.354 Conference proceedings at Scopus Article at Scopus Article at WOS

Collaborative project management framework for partner network initiation in machining domain [Online resource]
Ševtšenko, Eduard; Polyantchikov, Igor; **Mahmood, Kashif**; **Kangilaski, Taivo**; **Norta, Alexander**; **Karaulova, Tatjana**; Perm, Ardo Proceedings of the 18th Online World Conference on Soft Computing in Industrial Applications (WSC18) 2018 / p. 215-233 : ill https://doi.org/10.1007/978-3-030-00612-9_19 https://link.springer.com/content/pdf/bfm%3A978-3-030-00612-9%2F1.pdf Conference proceedings at Scopus Article at Scopus

Collaborative work between human and industrial robot in manufacturing by advanced safety monitoring system
Kuts, Vladimir; **Sarkans, Martinš**; **Otto, Tauno**; **Tähemaa, Toivo** Annals of DAAAM for 2017 and proceedings of the 28th International DAAAM Symposium "Intelligent Manufacturing & Automation" : 8-11 November 2017, Zadar, Croatia 2017 / p. 0996-1001 : ill https://dx.doi.org/10.2507/28th.daaam.proceedings.138

Combination of SLM-SPS approaches for tribological, antibacterial and biomaterial applications = Kombineeritud SLM-SPS meetod triboloogiliste, antibakteriaalsete ja biosobivate materjalide valmistamiseks
Rahmani Ahranjani, Ramin 2020 https://digikogu.taltech.ee/et/Item/4cd6a755-29d9-4168-a281-a21edca6c729

Combined safety and cybersecurity testing methodology for autonomous driving algorithms
Roberts, Andrew James; **Malayjerdi, Mohsen**; **Malayjerdi, Ehsan**; **Maennel, Olaf Manuel** CSCS '22 : Proceedings of the 6th ACM Computer Science in Cars Symposium 2022 / art. 12, 10 p https://doi.org/10.1145/3568160.3570235

Combustion synthesis and consolidation of Ni-W nanocomposite material
Zakaryan, Marieta; **Aydinyan, Sofiya**; Kharatyan, Suren Ceramics in modern technologies 2019 / p. 67-74 https://doi.org/10.29272/cmt.2018.0007

Combustion synthesis and reactive spark plasma sintering of non-equiatomic coal-based high entropy intermetallics
Kuskov, Kirill Vasilevich; Nepapushev, Andrey A.; **Aydinyan, Sofiya**; Shaysultanov, Dmitry G.; Stepanov, Nikita D.; Nazaretyan, Khachik; Kharatyan, Suren; Zakharova, Elena V.; Belov, Dmitry S.; Moskovskikh, Dmitry O. Materials 2023 / art. 1490 https://doi.org/10.3390/ma16041490 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Combustion synthesis of MAX phases: microstructure and properties inherited from the processing pathway
Aydinyan, Sofiya Crystals 2023 / art. 1143 https://doi.org/10.3390/cryst13071143 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Combustion synthesis of MoSi2 based composite and selective laser sintering thereof
Minasyan, Tatevik; **Aghayan, Marina**; **Liu, Le**; **Aydinyan, Sofiya**; **Kollo, Lauri**; **Hussainova, Irina**; Rodriguez, Miguel Angel Journal of the European Ceramic Society 2018 / p. 3814-3821 : ill https://doi.org/10.1016/j.jeurceramsoc.2018.04.043 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Combustion synthesis of nanoscale boron and silicon carbides
Zakaryan, Marieta; Amirkhanyan, Narine; Kirakosyan, Hasmik; Zurnachyan, Alina; **Aydinyan, Sofiya** CIMTEC 2022 : 15th International Ceramics Congress (June 20-24) CIMTEC 2022 : 9th Forum on New Materials (June 25-29) 2022 http://2022.cimtec-congress.org/focused-session-ca-11_1

Comparative analyses of tribological behavior of ultra nanocrystalline diamond films prepared on different substrates [Online resource]
Yashin, Maxim; **Bogatov, Andrei**; **Podgurski, Vitali**; Sahul, Martin; Čaplovič, Lubomir Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p http://fmtdk.ut.ee/teesid-2019/

A comparative analysis of Fuzzy AHP and Fuzzy VIKOR methods for prioritization of the risk criteria of an autonomous vehicle system
Mehrparvar, Marmar; **Majak, Jüri**; **Karjust, Kristo** Proceedings of the Estonian Academy of Sciences 2024 / p. 116-123 https://doi.org/10.3176/proc.2024.2.04

Comparative analysis of two methods for evaluating wear rate of nanocrystalline diamond films
Bogatov, Andrei; **Yashin, Maxim**; **Viljus, Mart**; Menezes, Pradeep; **Podgurski, Vitali** Engineering materials and tribology XXV 2017 / p. 345-350 : ill https://doi.org/10.4028/www.scientific.net/KEM.721.345 Conference proceedings at Scopus Article at Scopus

Comparative analysis of wear rates of microcrystalline diamond and diamond-like carbon coatings deposited on WC-Co substrates
Yashin, Maxim; **Bogatov, Andrei**; **Podgurski, Vitali** Engineering materials and tribology XXV 2017 / p. 436-440 : ill https://doi.org/10.4028/www.scientific.net/KEM.721.436 Conference proceedings at Scopus Article at Scopus

Comparative investigation of microstructure, mechanical properties and strengthening mechanisms of Al-12Si/TiB2 fabricated by selective laser melting and hot pressing
Xi, L. X.; Zhang, H.; Wang, P.; Li, H.C.; **Prashanth, Konda Gokuldoss** Ceramics international 2018 / p. 17635-17642 : ill https://doi.org/10.1016/j.ceramint.2018.06.225 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparative study of adhesive wear for CoCr, TiC-NiMo, WC-Co as potential FSW tool materials
Kolnes, Mart; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; **Kolnes, Märt** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 224-228 : ill https://doi.org/10.4028/www.scientific.net/SSP.267.224 Conference proceedings at Scopus Article at Scopus

Comparative study of microstructure and mechanical properties of Mg/B4C composites: Influence of sintering method and temperature
Ghasali, Ehsan; **Kariminejad, Arash**; Raza, Saleem; Orooji, Yasin; Paimard, Giti; Babenko, Andrii; Jie, Li; Ebadzadeh, Touradj Materials chemistry and physics 2024 / art. 129876 https://doi.org/10.1016/j.matchemphys.2024.129876 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparative study of plasma cladded Fe-based composite hardfacings with in situ synthesized Cr and Ti carbide reinforcement
Tkachivskyi, Dmytro; **Viljus, Mart**; **Traksmaa, Rainer**; **Antonov, Maksim**; **Surženkov, Andrei**; **Juhani, Kristjan**; **Kulu, Priit** Solid state phenomena ; 320 2021 / p. 83-89 https://doi.org/10.4028/www.scientific.net/SSP.320.83 Conference proceedings metrics at Scopus Article at Scopus

A comparative study of the growth dynamics and tribological properties of nanocrystalline diamondfilms deposited on the (110) single crystaldiamond and Si(100) substrates
Podgurski, Vitali; **Bogatov, Andrei**; **Yashin, Maxim**; **Viljus, Mart**; **Volobujeva, Olga**; **Mere, Arvo**; **Raadik, Taavi** Diamond and related materials 2019 / p. 159-167 : ill https://doi.org/10.1016/j.diamond.2018.12.024 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparative study on electroless composite coatings of textured and untextured Al-substrates
Singh, Garima; **Mohanty, Shalini**; Kumar Singh, Rabesh; Rai Dixit, Amit; Kumar Sharma, Anuj Materials today: proceedings 2023 / p. 233-240 : ill https://doi.org/10.1016/j.matpr.2022.12.079 Conference proceedings at Scopus Article at Scopus

A comparative study on physio-mechanical properties of silica compacts fabricated using rice husk ash derived amorphous and crystalline silica
Gupta, Ashutosh; Pandey, Vaibhav; **Yadav, Mayank Kumar**; Mohanta, Kalyani; Majhi, Manas Ranjan Ceramics international 2022 / p. 35750-35758 https://doi.org/10.1016/j.ceramint.2022.07.098 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparing two wavelet approaches for solving fractional differential equations
Majak, Jüri; **Kivistik, Lenart**; **Eerme, Martin**; **Tungel, Ernst** International Conference of Numerical Analysis and Applied Mathematics : ICNAAM2022 : Heraklion, Freece, 19-25 September 2022 2024 / art. 230004 https://doi.org/10.1063/5.0210415 Conference proceedings at Scopus Article at Scopus Article at WOS

Comparison of additively manufacturing samples fabricated from pre-alloyed and mechanically mixed powders
Zhao, Chao; Wang, Zhi; Li, Daoxi; Xie, Meishen; **Kollo, Lauri**; Luo, Zongqiang; Zhang, Weiwen; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2020 / art. 154603, 5 p. : ill https://doi.org/10.1016/j.jallcom.2020.154603 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparison of electrical conductivity of cement composite materials
Birzniece, Inga Melanija; Cizevska, Anna; **Goljandin, Dmitri**; Lusis, Vitalijs World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium - WMCAUS 2022 : Prague, Czech Republic, 5–9 September 2022 2023 / art. 080011 https://doi.org/10.1063/5.0170574 Conference Proceedings at Scopus Article at Scopus

Comparison of mechanical and antibacterial properties of TiO2/Ag ceramics and Ti6Al4V-TiO2/Ag composite materials using combined SLM-SPS techniques
Rahmani Ahranjani, Ramin; **Rosenberg, Merilin**; **Ivask, Angela**; **Kollo, Lauri** Metals 2019 / art. 874, 13 p. : ill https://doi.org/10.3390/met9080874 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparison of plasma transferred arc and submerged arc welded abrasive wear resistant composite hardfacings
Simson, Taavi; **Kulu, Priit**; **Surženkov, Andrei**; Ciuplys, Antanas; **Viljus, Mart**; Zaldarys, Gintautas Materials science = Medžiagotyra 2018 / p. 172-176 : ill https://doi.org/10.5755/j01.ms.24.2.19121 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparison of plasma transferred arc and submerged arc welded abrasive wear resistant composite hardfacings [Online resource]
Simson, Taavi; **Kulu, Priit**; **Surženkov, Andrei**; Bendikiene, Regita; Ciuplys, Antanas; **Viljus, Mart** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p http://fmtdk.ut.ee/teesid-2018/

Comparison of the microstructures and mechanical properties of TI6AL4V fabricated by electron beam melting, spark plasma sintering, and selective laser remelting
Karimi, Javad; **Prashanth, Konda Gokuldoss** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 39 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

A comparison of the relationship between individual values and aggressive driving in five countries
Findik, Gizem; Kacan, Bilgesu; Solmazer, Gaye; Ersan, Özlem; Zihni, Yesim Üzümcüoglu; Azik, Derya; Özkan, Türker; Lajunen, Timo; **Pashkevich, Anton**; **Pashkevich, Maria** Journal of transportation safety and security 2022 / p. 430-452 https://doi.org/10.1080/19439962.2020.1784341 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Competition between densification and microstructure of functional materials by Selective Laser Melting
Singh, Neera; **Ummethala, Raghunandan**; Hameed, Pearlin; Sokkalingam, Rathinavelu; **Prashanth, Konda Gokuldoss** Material design & processing communications 2020 / art. e146, 7 p. : ill https://doi.org/10.1002/mdp2.146 Journal metrics at Scopus Article at Scopus

Competition between immiscibility GAP and supercooling during non-equilibrium processing of metallic materials
Aftab, Rabia; **Antonov, Maksim** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 11 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

Competitiveness analysis of regional airports based on location planning models : the case study of Finland
Pashkevich, Anton; **Nõmmik, Allan**; **Antov, Dago** Transport means 2017 : proceedings of the international scientific conference : part III 2017 / p. 754-761 : ill https://www.dropbox.com/sh/7sjhe2ln3e3qin6/AABBl1Gbrf0_t8lM7Kho8KmVa?dl=0&preview=Transport+mens+2017+(Part+3).pdf Competitiveness analysis of regional airports based on location planning models

Component organised learning method for digital supply chain hybrid courses
Murumaa, Lea; Ševtšenko, Eduard; **Karaulova, Tatjana** Mobility for Smart Cities and Regional Development - Challenges for Higher Education : proceedings of the 24th International Conference on Interactive Collaborative Learning (ICL2021). Vol. 1 2022 / p. 691-705 https://doi.org/10.1007/978-3-030-93904-5_69 Conference proceedings at Scopus Article at Scopus Article at Scopus

A comprehensive review on development of waste derived hydroxyapatite (HAp) for tissue engineering application
Kumar Yadav, Mayank; **Shukla, Riddhi Hirenkumar**; **Prashanth, Konda Gokuldoss** Materials today: proceedings 2023 / 7 p. : ill https://doi.org/10.1016/j.matpr.2023.04.669

COMSPECT : a compact model for green vegetation reflectance spectra in the 400–900 nm wavelength range
Udal, Andres; **Jürise, Martin**; **Kaugerand, Jaanus**; **Sell, Raivo** Proceedings of the Estonian Academy of Sciences 2020 / p. 277-

286 : ill https://doi.org/10.3176/proc.2020.4.01 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Concept of the test Bench for electrical vehicle propulsion drive data acquisition
Rassõlkin, Anton; **Rjabtšikov, Viktor**; **Vaimann, Toomas**; **Kallaste, Ants**; **Kuts, Vladimir** 2020 XI International Conference on Electrical Power Drive Systems (ICEPDS), Saint-Petersburg, Russia, October 4-7, 2020 2020 / p. 35-42 : ill https://doi.org/10.1109/ICEPDS47235.2020.9249078

Concept study of sustainable noise control solution for HVAC systems based on microperforated elements
Villau, Margus; **Rämmal, Hans**; **Lavrentjev, Jüri** Proceedings of the Estonian Academy of Sciences 2021 / p. 461-469 : ill https://doi.org/10.3176/proc.2021.4.13 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Concluding remarks
Reedik, Vello Socio-technical synergetics 2024 / p. 160-164 https://www.ester.ee/record=b5651350*est

Conclusions from the EU-related training need assessments in Estonia in 2002-2013
Veebel, Viljar; Kulu, Liina; **Markus, Raul** International journal of teaching and education 2015 / p. 88-103 http://dx.doi.org/10.20472/TE.2015.3.1.007

Condition of common deformations in screws and ball screws
Penkov, Igor 2017 https://www.lap-publishing.com

Contact stiffness parameters for finite element modeling of contact
Sivitski, Alina; **Põdra, Priit** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 211-216 : ill https://www.ester.ee/record=b5235278*est https://www.scientific.net/KEM.799.211 https://doi.org/10.4028/www.scientific.net/KEM.799.211 Conference proceeding at Scopus Article at Scopus

Control of texture and microstructure in additive manufacturing of stainless steel 316L
Kumar, Deepak; Shankar, Gyan; **Prashanth, Konda Gokuldoss**; Suwas, Satyam Journal of alloys and compounds / art. 173040 https://doi.org/10.1016/j.jallcom.2023.173040

Controlled nanocrystalline precipitation of hydroxyapatite on the surface of microfibrillated cellulose fibers
Kärner, Kärt; **Elomaa, Matti Antero**; **Kallavus, Urve**; **Tõnsuaadu, Kaia** International journal of recent scientific research 2017 / p. 20803-20809 : ill http://recentscientific.com/sites/default/files/8807-A-2017.pdf

Cooling rate control combined with refractory Mo and/or V addition to enhance the mechanical properties of CoCrFeMnNi alloy
Gonzalez, Sergio; Garay-Reyes, Carlos Gamaliel; Martinez-Garcia, Alfredo; **Prashanth, Konda Gokuldoss**; Ruiz-Esparza-Rodriguez, Marco Antonio; Hurtado-Macias, Abel; Eckert, Juergen H.; Martinez-Sanchez, Roberto Journal of materials research and technology 2025 / p. 459-469 https://doi.org/10.1016/j.jmrt.2025.03.074

Cooperation projects between university and company : process of formation and objectives of the stakeholders
Branten, Eva; **Purju, Alari** Entrepreneurship and sustainability issues 2015 / p. 149-156 : ill http://dx.doi.org/10.9770/jesi.2015.3.2(3)

Corrigendum to "Generation and development of damages in double forged tungsten in different regimes of irradiation with extreme heat loads" [J. Nucl. Mater. 495 (2017) 91-102]
Paju, Jana; Väli, Berit; Laas, Tõnu; **Shirokova, Veroonika**; **Antonov, Maksim** Journal of nuclear materials 2018 / p. 323-324 : tab https://doi.org/10.1016/j.jnucmat.2018.03.003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Corrigendum to “The influence of high energy milling and sintering parameters on reactive sintered (Ti, Mo)C–Ni cermets” [J. Alloys Compd. 636 (2015) 381–386] (S0925838815005009) (10.1016/j.jallcom.2015.02.071))
Jõeleht, Marek; **Pirso, Jüri**; **Juhani, Kristjan**; **Viljus, Mart**; **Traksmaa, Rainer** Journal of alloys and compounds 2018 / p. 128 https://doi.org/10.1016/j.jallcom.2018.05.128 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Corrosion behavior of 17–4 PH stainless steel manufactured by laser powder bed fusion: Effect of graphene coating and heat-treatment
Maharana, P.; Sahu, D. K.; Sahoo, D.; Mallik, A.; Mishra, S.; Ramakrishna, M.; **Prashanth, Konda Gokuldoss**; Gollapudi, S. Materials today communications 2024 / art. 111098 https://doi.org/10.1016/j.mtcomm.2024.111098 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Corrosion behavior of high velocity oxy-fuel sprayed composite Ni-/Fe-based self-fluxing alloy - cermet coatings
Sarjas, Heikki; **Surženkov, Andrei**; **Baroninš, Janis**; **Viljus, Mart**; **Traksmaa, Rainer**; **Kulu, Priit** Journal of mineral, metal and material engineering 2018 / p. 1-9 : ill http://www.scientificarray.org/journal-of-mineral-metal-and-material-engineering-volume-4/

Cost-effective screen printing approach for Ce/Nd-doped ZnAl2O4 films: tuning crystallinity induced by the substrate

Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; **Necib, Jallouli**; **Danilson, Mati**; Fernandez, Jose Francisco; **Hussainova, Irina** Physical chemistry chemical physics 2023 / p. 15829-15838 https://doi.org/10.1039/D3CP02005C Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Crack formation and control in an AlCoCrFeNi high entropy alloy fabricated by selective laser melting
Wei, Shuimiao; Ma, Pan; Fang, Yacheng; Zhang, Zhiyu; Yang, Zhilu; Shi, Xuerong; **Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2024 / p. E628 - E637 https://doi.org/10.1089/3dp.2022.0142 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Creep and high temperature fatigue performance of as build selective laser melted Ti-based 6Al-4V titanium alloy
Viespoli, Luigi Mario; Bressan, Stefano; Itoh, Takamoto; Hiyoshi, Noritake; **Prashanth, Konda Gokuldoss**; Berto, Filippo Engineering failure analysis 2020 / art. 104477, 9 p. : ill https://doi.org/10.1016/j.engfailanal.2020.104477 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Crisis management for public sector during the European financial crisis: lessons of Estonia in 2008-2011
Markus, Raul; Veebel, Viljar Journal of Eastern Europe research in business and economics 2018 / 563930 ; 9 p https://doi.org/10.5171/2018.563930

Criteria for the selection of porous cores for thermoacoustic applications
Auriemma, Fabio; Napolitano, Marialuisa; Elio Di, Giulio; Dragonetti, Raffaele INTER-NOISE and NOISE-CON Congress and Conference Proceedings 2020 / p. 119-126 https://www.ingentaconnect.com/contentone/ince/incecp/2020/00000261/00000006/art00016

Cross-cultural differences in driver aggression, aberrant, and positive driver behaviors
Ersan, Özlem; Üzümcüoglu, Yesim; Azık, Derya; **Pashkevich, Anton**; **Pashkevich, Maria** Transportation research part F: traffic psychology and behaviour 2020 / p. 88-97 https://doi.org/10.1016/j.trf.2020.03.020 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cross-cultural differences in pedestrian behaviors in relation to values : a comparison of five countries
Solmazer, Gaye; Azık, Derya; Fındık, Gizem; Üzümcüoğlu, Yeşim; **Pashkevich, Anton**; **Pashkevich, Maria** Accident analysis & prevention 2020 / art. 105459 https://doi.org/10.1016/j.aap.2020.105459 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Crumb rubber as a secondary raw material from waste rubber : a short review of end-of-life mechanical processing methods
Lapkovskis, Vjaceslavs; Mironovs, Viktors; Kasperovich, Andrei; Myadelets, Vadim; **Goljandin, Dmitri** Recycling 2020 / art. 32, 20 p. : ill https://doi.org/10.3390/recycling5040032 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Crystallization and growth kinetics of Zr65Cu25Ni5Ag2.5Al2.5 glass
Prashanth, Konda Gokuldoss Material design & processing communications 2020 / art. e137, 10 p. : ill https://doi.org/10.1002/mdp2.137 Journal metrics at Scopus Article at Scopus

Cu-Ni-Sn alloy fabricated by melt spinning and selective laser melting: a comparative study on the microstructure and formation kinetics
Zhao, Chao; Wang, Zhi; Li, Daoxi; **Kollo, Lauri**; Luo, Zongqiang; Zhang, Weiwen; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2020 / p. 13097−13105 https://doi.org/10.1016/j.jmrt.2020.09.047 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Current issues in construction industry in Estonia [Online resource]
Uukkivi, Raigo Conference on state control of construction works quality and supervision of construction market in Latvia and in Europe : Riga, 27.11.2015 2015 / [11] p. [Slides] http://conqual.rtu.lv/wp-content/uploads/sites/15/2015/11/Current-issues-in-Construction-Industry-in-Estonia_Raigo_Uukkivi_27nov2015.pdf

Curricula updates through students' participation in international competition
Valme, Daniil; **Belolipetskaja, Diana**; **Rassõlkin, Anton**; **Leoste, Janika**; **Rüütmann, Tiia** Robotics in education : proceedings of the RiE 2024 conference 2024 / p. 352-364 https://doi.org/10.1007/978-3-031-67059-6_31 Conference proceedings at Scopus Article at Scopus Article at WOS

CVD nanocrystalline multilayer graphene coated 3D-printed alumina lattices
Ramírez, Cristina; **Shamshirgar, Ali Saffar**; Perez-Coll, Domingo; Osendi, María IsabeL; Miranzo, Pilar; Tewari, Girish C.; Karppinen, Maarit; **Hussainova, Irina**; Belmonte, Manuel Carbon 2023 / p. 36-46 https://doi.org/10.1016/j.carbon.2022.10.085 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cyber-physical control system for autonomous logistic robot
Pikner, Heiko; **Sell, Raivo**; **Karjust, Kristo**; **Malayjerdi, Ehsan**; **Velsker, Tarmo** 2021 IEEE 19th International Power Electronics and Motion Control Conference, The Silesian University of Technology Gliwice, Poland, 25 - 29 April, 2021 (PEMC) : proceedings 2021 / p. 699-704 : ill https://doi.org/10.1109/PEMC48073.2021.9432526

Cyber-physical control system for self-driving vehicles = Isejuhtivate sõidukite küberfüüsikaline juhtsüsteem
Pikner, Heiko 2024 https://www.ester.ee/record=b5695069*est https://digikogu.taltech.ee/et/Item/15942b01-fddb-4938-a38f-877487151014 https://doi.org/10.23658/taltech.44/2024

Cyber-physical universal safety and crash detection system for autonomous robot
Pikner, Heiko; **Malayjerdi, Mohsen** Robotic systems and applications 2021 / p. 46-52 : ill https://doi.org/10.21595/rsa.2021.22113

Cyber-physical universal safety and crash detection system for autonomous robot
Pikner, Heiko; **Sell, Raivo**; **Malayjerdi, Mohsen** The 16th International Conference "Mechatronic Systems and Materials" MSM 2021July 1, 2021 – July 2, 2021 : abstract book 2021 / p. 16-17 http://msm.vgtu.lt/files/conferences/1/MSM2021Abstract_Book._04005.pdf

Cyclic loading of TiCN coating by Vickers indentation
Saarna, Mart; **Lind, Liina**; **Peetsalu, Priidu**; **Sergejev, Fjodor** Engineering materials and tribology XXV 2017 / p. 425-429 https://doi.org/10.4028/www.scientific.net/KEM.721.425 Conference proceedings at Scopus Article at Scopus

Dago Antov : Mõistlik kiirus on see, mida juhid järgivad [Võrguväljaanne]
Antov, Dago pealinn.ee 2022 Dagu Antov : Mõistlik kiirus on see, mida juhid järgivad

Dago Antov: Eesti on jalgrattakultuuri poolest selgelt teistest riikidest maha jäänud
Antov, Dago epl.delfi.ee 2024 Dago Antov: Eesti on jalgrattakultuuri poolest selgelt teistest riikidest maha jäänud

Dago Antov: kihutamine linnades on probleem [Võrguväljaanne]
Lass, Liisu; **Antov, Dago** err.ee 2020 / fot Dago Antov: kihutamine linnades on probleem

Dago Antov: ühistranspordivõrk ei hakka kunagi kõigile sobiv olema
Antov, Dago err.ee 2024 Dago Antov: ühistranspordivõrk ei hakka kunagi kõigile sobiv olema

Damping of acoustic waves in straight ducts and turbulent flow conditions
Tiikoja, Heiki; **Auriemma, Fabio**; **Lavrentjev, Jüri** SAE Technical Paper Series : 9th International Styrian Noise, Vibration & Harshness Congress : The European Automotive Noise Conference 2016 / Paper 2016-01-1816, p. 1-9 : ill https://doi.org/10.4271/2016-01-1816 Conference Proceedings at Scopus Article at scopus

Decision-making framework for industrial-size datacenters
Leppiman, Ando; **Kotka, Taavi**; **Kõrbe Kaare, Kati**; **Koppel, Ott** Proceedings of the 10th International Conference of DAAAM Baltic Industrial Engineering, 12-13th May 2015, Tallinn, Estonia 2015 / p. 237-242 : ill

Decision-making framework for used industrial equipment
Karaulova, Tatjana; Bashkite, Viktoria Engineering Economics 2016 / p. 23 - 31 https://doi.org/10.5755/j01.ee.27.1.8618 Journal metrics at Scopus article at Scopus Journal metrics at WOS Article at WOS

Decision-making tool development for used industrial equipment life cycle evaluation and improvement = Otsustustehnoloogia arendus kasutatud tööstusseadmete elutsükli hindamiseks ja parendamiseks
Baškite, Viktoria 2017 https://digi.lib.ttu.ee/i/?7672 https://www.ester.ee/record=b4675749*est

Deep-ultraviolet emitter : rare-earth-free ZnAl2O4 nanofibers via a simple wet chemical route
Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Romet, Ivo; Del Campo, Adolfo; Gorni, Giulio; **Hussainova, Irina**; Fernandez, Jose Francisco; Nagirnyi, Vitali Inorganic Chemistry 2022 / p. 11886-11896 https://doi.org/10.1021/acs.inorgchem.2c01646 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Deformation and energy absorption studies on FBCC and FBCCz lattice structures with symmetrical density gradients produced by L-PBF of Ti-6Al-4V alloy
Jagadeesh, B.; Duraiselvam, Muthukannan; **Prashanth, Konda Gokuldoss** Materials today: proceedings 2024 / 6 p https://doi.org/10.1016/j.matpr.2024.02.008

Deformation behavior of metallic lattice structures with symmetrical gradients of porosity manufactured by metal additive manufacturing
Jagadeesh, B.; Duraiselvam, Muthukannan; **Prashanth, Konda Gokuldoss** Vacuum 2023 / art. 111955 https://doi.org/10.1016/j.vacuum.2023.111955 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Deformation mechanism studies by varying height to diameter ratio of Al-Mg and Al-Mg-C metal matrix composites
Sharma, Shubham; **Singh, Neera**; Kumar, Devendra; Gupta, Sumit; Chaudhary, Vijay; Gupta, Niraj; Gupta, Pallav Journal of Advanced Manufacturing Systems 2023 / p. 603-618 https://doi.org/10.1142/S0219686723500270 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Densification of the eggshell powder by spark plasma sintering

Shukla, Riddhi Hirenkumar; Sokkalingam, Rathinavelu; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 171079 https://doi.org/10.1016/j.jallcom.2023.171079 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Densification of the eggshell powder by spark plasma sintering
Shukla, Riddhi Hirenkumar; **Rathinavelu, Sokkalingam**; **Kollo, Lauri**; **Prashanth, Konda Gokuldoss** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 56 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Dependance of wear of Cu-Cr-S alloy on hardness and electrical conductivity in sliding electrical contact
Kommel, Lembit; **Baroniņš, Janis** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 229-233 : ill https://doi.org/10.4028/www.scientific.net/SSP.267.229 Conference proceedings at Scopus Article at Scopus

Deposition of iron oxide nanoparticles on mesoporous alumina network by wet-combustion technology
Kamboj, Nikhil Kumar; **Saffarshamshirgar, Ali**; Shirshneva-Vaschenko, Elena; **Hussainova, Irina** Materials chemistry and physics 2019 / p. 340-346 : ill https://doi.org/10.1016/j.matchemphys.2018.12.095 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Der Handel zwischen Russland und den baltischen Staaten : Pfadabhängigkeit oder wirtschaftliche Rationalität? [Electronische Ressourcen]
Markus, Raul; Veebel, Viljar Estonian discussions on economic policy (Articles) = Estnische Gespräche über Wirtschaftspolitik (Beiträge) = Eesti majanduspoliitilised väitlused (Artiklid). 1 2017 / S. 66-86 [CD-ROM]

Design and manufacturing of composite laminates with structural health monitoring capabilities
Herranen, Henrik; **Majak, Jüri**; **Tšukrejev, Pavel**; **Karjust, Kristo**; **Märtens, Olev** Procedia CIRP 2018 / p. 647-652 : ill https://doi.org/10.1016/j.procir.2018.03.128 Conference Proceedings at Scopus Article at Scopus Article at WOS

Design and performance of acoustic metamaterial structure for inlet duct noise attenuation
Lavrentjev, Jüri; **Rämmal, Hans** SAE Technical Papers 2017 / 2017-32-0066, [6] p. : ill https://www.sae.org/publications/technical-papers/content/2017-32-0066/ Conference proceedings at Scopus Article at Scopus

Design and performance of acoustic metamaterial structure for inlet duct noise attenuation [Online resource]
Lavrentjev, Jüri; **Rämmal, Hans** SETC 2017 : 23rd Small Engine Technology Conference “Small Engine Technology - Generating a Promising Future”, November 15-17, 2017 Jakarta, Indonesia : Final program : SAE Technical Paper 2017 / 2017-32-006, p. 37 http://www.setc-jsae.com/past_docs/2017/list_of_paper.pdf

Design of a unified framework for creating XR experiences for research and academia
Bondarenko, Yevhen 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 11-12 : ill https://www.ester.ee/record=b5504019*est

Design of multifunctional laminated glass composite panel
Majak, Jüri; **Pohlak, Meelis**; Shvartsman, Boris; **Õunapuu, Erko**; **Kirs, Maarjus** ICCS19 : 19th International Conference on Composite Structures : Sheraton Porto Hotel & Spa, 5-8 September 2016 : proceedings 2016 / p. 140 http://dx.doi.org/10.15651/978-88-748-8977-8

Design of nextIgeneration alloys for additive manufacturing
Prashanth, Konda Gokuldoss Material design & processing communications 2019 / art. 1e50, 4 p. : ill https://doi.org/10.1002/mdp2.50

Design of performance characteristics on laser treated denim fabric
Mandre, Nele; **Plamus, Tiia**; **Linder, Angelika**; **Varjas, Toivo**; **Majak, Jüri**; **Krumme, Andres** The materials science = Medžiagotyra 2023 / 10 p. : ill https://doi.org/10.5755/j02.ms.33259 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Design of performance characteristics on laser treated denim fabric : [conference paper]
Mandre, Nele; **Plamus, Tiia**; **Linder, Angelika**; **Varjas, Toivo**; **Majak, Jüri**; **Krumme, Andres** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / p. 36 : ill Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Design of stud ends and their influence on load of machine housings
Penkov, Igor Trans & motauto world 2017 / p. 98-101 : ill https://stumejournals.com/journals/tm/2017/3/98

Design optimization of graphene laminates for maximum fundamental frequency
Majak, Jüri; **Kirs, Maarjus**; **Eerme, Martin**; **Tungel, Ernst**; **Lepikult, Toomas** Proceedings of the Estonian Academy of Sciences 2017 / p. 354-362 : ill https://doi.org/10.3176/proc.2017.4.08 https://artiklid.elnet.ee/record=b2830810*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Determination of carcinoembryonic antigen as a tumor marker using a novel graphene-based label-free electrochemical immunosensor
Jozghorbani, Maryam; Fathi, Mojtaba; Kazemi, Sayed Habib; **Alinejadian, Navid** Analytical biochemistry 2021 / art. 114017 https://doi.org/10.1016/j.ab.2020.114017 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Developing gravity model for airline regional route modelling
Nõmmik, Allan; **Kukemelk, Sven** Aviation 2016 / p. 32-37 https://doi.org/10.3846/16487788.2016.1168007 Journal metrics at Scopus Article at Scopus

Developing intelligent logistics - building a competence model for logistics systems engineer
Niine, Tarvo; **Koppel, Ott** Proceedings of 2015 IEEE Global Engineering Education Conference (EDUCON) : 18-20 March 2015, Tallinn University of Technology (TUT), Tallinn, Estonia 2015 / p. 239-248 : ill http://dx.doi.org/10.1109/EDUCON.2015.7095977

Developing of an engineering scientific innovative lab and teaching methodology for smart manufacturing in the hi-engineering school
Kekšin, Vjatšeslav; **Sarkans, Martinš**; **Kuts, Vladimir** ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE) ; vol. 2 2024 / IMECE2024-143105, V002T03A073 ; 8 pages https://doi.org/10.1115/IMECE2024-143105

Development and implementation of enterprise information management systems for interoperability = Ettevõtte infohaldussüsteemide arendamine ja juurutamine koostalitlusvõime jaoks
Lemmik, Rivo 2018 https://digi.lib.ttu.ee/i/?10624 https://www.ester.ee/record=b5151053*est

Development and implementation of the key performance indicator selection model for SMEs = Väikese ja keskmise suurusega ettevõtete võtmenäitajate valimimudeli arendus ja juurutus
Kaganski, Sergei 2018 https://digi.lib.ttu.ee/i/?9945 https://www.ester.ee/record=b5054656*est

Development and optimisation of production monitoring system = Tootmise monitooringu süsteemi arendus ja optimeerimine
Snatkin, Aleksei 2016 https://www.ester.ee/record=b4576990*est

Development case study of the first Estonian self-driving car, ISEAUTO
Rassõlkin, Anton; **Sell, Raivo**; **Leier, Mairo** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2018 / p. 81-88 : ill https://doi.org/10.2478/ecce-2018-0009

Development of a monitoring system on environment and human health to control a smart bike
Makarova, Irina; Boyko, Aleksey; **Pashkevich, Anton**; Tsybunov, Eduard 2020 21th International Carpathian Control Conference (ICCC) 2020 / 6 p https://doi.org/10.1109/ICCC49264.2020.9257239

Development of a product lifecycle management model based on the fuzzy analytic hierarchy process
Paavel, Marko; **Karjust, Kristo**; **Majak, Jüri** Proceedings of the Estonian Academy of Sciences 2017 / p. 279-286 : ill https://doi.org/10.3176/proc.2017.3.05 http://www.ester.ee/record=b2355998*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Development of a smart workstation by using AR technology
Värno, Kätlin; **Mahmood, Kashif**; **Otto, Tauno**; **Kuts, Vladimir** Proceedings of the 30th International DAAAM Symposium : Intelligent Manufacturing & Automation, 23-26th October 2019, Zadar, Croatia 2019 / 1061-1067 : ill https://doi.org/10.2507/30th.daaam.proceedings.148

Development of a smart workstation by using AR technology
Värno, Kätlin; **Otto, Tauno**; **Mahmood, Kashif**; **Kuts, Vladimir** The application track, posters and demos of EuroVR : Proceedings of the 16th Annual EuroVR Conference - 2019 2019 / p. 19–22 : ill https://doi.org/10.32040/2242-122X.2019.T357 https://www.vttresearch.com/sites/default/files/pdf/technology/2019/T357.pdf

Development of a validation regime for an autonomous campus shuttle
Medrano-Berumen, Christopher; **Malayjerdi, Mohsen**; Ilhan Akbas, Mustafa; **Sell, Raivo** IEEE SoutheastCon 2020, Raleigh, NC, 28-29 March 2020 : IEEE Region 3's annual conference : virtual : proceedings 2020 / 8 p https://doi.org/10.1109/SoutheastCon44009.2020.9249692

Development of an AR-based application for assembly assistance and servicing
Mahmood, Kashif; **Pizzagalli, Simone Luca**; **Otto, Tauno**; **Symotiuk, Ivan** Procedia CIRP 2024 / p. 638-643 https://doi.org/10.1016/j.procir.2024.04.017 Conference proceedings at Scopus Article at Scopus

Development of an AR-based application for assembly assistance andservicing
Mahmood, Kashif; **Pizzagalli, Simone Luca**; **Otto, Tauno**; **Symotiuk, Ivan** 34th CIRP Design Conference CIRP2024, 3-5 June 2024, Cranfield University, UK : [programme] 2024 / 1 p https://cranfield.shorthandstories.com/cirp-2024/index.html

Development of aspen bleached chemithermomechanical pulp towards nanostructure = Haava pleegitatud keemilis-termilise puitmassi töötlemine nanostruktuuride saamiseks
Kärner, Kärt 2018 https://digi.lib.ttu.ee/i/?9947 https://www.ester.ee/record=b5054961*est

Development of cemented carbides with high chromium iron alloy binder = Kõrge kroomisisaldusega rauasulamsideainega kõvasulamite arendus
Tarraste, Marek 2018 https://digi.lib.ttu.ee/i/?9959 https://www.ester.ee/record=b5138025*est

Development of coarse recycled hardmetal reinforced hardfacings = Taaskasutatava jämekõvasulamarmatuuriga kõvapinnete arendus
Simson, Taavi 2018 https://digi.lib.ttu.ee/i/?9946 https://www.ester.ee/record=b5054964*est

Development of critical thinking and reflection
Rüütmann, Tiia The Challenges of the Digital Transformation in Education : proceedings of the 21st International Conference on Interactive Collaborative Learning (ICL2018) - Volume 2 2019 / p. 895-906 https://doi.org/10.1007/978-3-030-11935-5_85 Conference proceedings at Scopus Article at Scopus Article at WOS

Development of Cu-based shape memory alloy through selective laser melting from elemental powder mixture: Processing and characterization
Singh, Shalini; Palani, I. A.; Dehgahi, Shirin; Qureshi, A. J.; Jinoop, A. N.; Paul, C. P.; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 171029 https://doi.org/10.1016/j.jallcom.2023.171029 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Development of cyber-physical production systems based on modelling technologies
Mahmood, Kashif; **Karaulova, Tatjana**; **Otto, Tauno**; **Ševtšenko, Eduard** Proceedings of the Estonian Academy of Sciences 2019 / p. 348–355 : ill http://www.kirj.ee/32601/?tpl=1061&c_tpl=1064 https://doi.org/10.3176/proc.2019.4.02 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Development of digital twin-based learning from demonstration system for industrial robots
Bondarenko, Yevhen 20th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tallinn, Estonia, September 8-10, 2021 2021 / p. 19-20 : ill https://www.ester.ee/record=b5457278*est

Development of equipment and mathematical model for manufacturing of steered fibre laminate = Seadmete ja matemaatilise mudeli arendamine muutuva kiuga laminaadi valmistamiseks
Haavajõe, Anti 2019 https://www.ester.ee/record=b5284222*est https://digikogu.taltech.ee/et/Item/3328472d-4a53-4e56-a892-93453155327c

Development of hemp hurd particleboards from formaldehyde-free resins
Alao, Percy Festus; **Tobias, Micah Onyedikachi**; **Kallakas, Heikko**; **Poltimäe, Triinu**; **Kers, Jaan**; **Goljandin, Dmitri** 11th International Conference Biosystems Engineering : May 6-8, 2020 in Tartu, Estonia : book of abstracts [Võrguteavik] 2020 / p. 99 https://www.ester.ee/record=b5347289*est

Development of hemp hurd particleboards from formaldehyde-free resins
Alao, Percy Festus; **Tobias, Micah Onyedikachi**; **Kallakas, Heikko**; **Poltimäe, Triinu**; **Kers, Jaan**; **Goljandin, Dmitri** Agronomy research 2020 / p. 679–688 : ill https://doi.org/10.15159/AR.20.127 Journal metrics at Scopus Article at Scopus

Development of intelligent manufacturing cell structure for SME digital manufacturing hub = Intelligentse robot-tootmise struktuuri arendus väike- ja keskmise suurusega ettevõtete digitaalsete töökohtade tarbeks
Kangru, Tavo 2021 https://www.ester.ee/record=b5396857*est https://digikogu.taltech.ee/et/Item/999c711f-5ccf-4195-9188-c919894cc7ce https://doi.org/10.23658/taltech.7/2021

Development of interactive monitoring system for urban environmental impact assessment of transport system
Pashkevich, Anton; Beliakova, Marina; Ivanov, Alexander; **Purju, Alari** Procedia engineering 2017 / p. 42-52 : ill https://doi.org/10.1016/j.proeng.2017.01.058 Journal metrics at Scopus Article at Scopus Article at WOS

Development of key performance selection index model
Kaganski, Sergei; **Toompalu, Silver** Journal of achievements in materials and manufacturing engineering 2017 / p. 33-40 : ill https://doi.org/10.5604/01.3001.0010.2077 Journal metrics at Scopus Article at Scopus

Development of process optimization model for autonomous mobile robot used in production logistics
Majak, Jüri; **Karjust, Kristo**; **Mahmood, Kashif**; **Hermaste, Aigar**; **Raamets, Tõnis** AIP conference proceedings 2024 / art. 020008 https://doi.org/10.1063/5.0189299 Conference proceedings at Scopus Article at Scopus

Development of Rare-Earth-Free Zinc Silicate as a Novel Deep UV Emitter : Synthesis Strategies and Luminescent Properties = Haruldaste muldmetallide vaba tsinksilikaadi kui uue süva-UV kiirguri arendus : sünteesistrateegiad ja luminestsents omadused

Necib, Jallouli 2025 https://digikogu.taltech.ee/et/Item/67078497-d42a-4e55-8a09-d665a3a023b1 https://doi.org/10.23658/taltech.63/2025 https://www.ester.ee/record=b5754738*est

Development of SCOR database for digitalisation of supply chain customer feedback analysis
Maas, Rene; **Karaulova, Tatjana**; Shevtshenko, Eduard; Popell, Janek; Raji, Ibrahim Oluwole Engineering economics 2023 / p. 439-455 : ill https://doi.org/10.5755/j01.ee.34.4.31618 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Development of solid lubricated composites for high-temperature tribological applications = Tahkmäärdega komposiitide väljatöötamine kõrgtemperatuurseteks triborakendusteks
Kumar, Rahul, 1993- 2022 https://doi.org/10.23658/taltech.75/2022 https://digikogu.taltech.ee/et/Item/b117812c-4248-4542-ba39-fcbfe5349f4e https://www.ester.ee/record=b5528171*est

Development of sustainable polypropylene based composites = Polüpropeeni baasil jätkusuutlike komposiitide arendus
Hussain, Abrar 2023 https://doi.org/10.23658/taltech.64/2023 https://digikogu.taltech.ee/et/Item/ffead123-ec1c-4d27-baa6-ed82c6d527cc https://www.ester.ee/record=b5645373*esthttps://www.ester.ee/record=b5645373*est

Development of teachers' judgement skills as a component of pre- and in-service training
Rüütmann, Tiia; Läänemets, Urve; Kaja, Kadi; Kiilu, Kristi Learning in the age of digital and green transition: proceedings of the 25th international conference on interactive collaborative learning (ICL2022), Volume 2 2023 / p. 639-648 https://doi.org/10.1007/978-3-031-26190-9_67 Conference proceedings at Scopus Article at Scopus

Development of Ti-eggshell composite for bio-implants applications = Ti-munakoore komposiidi väljatöötamine bioimplantaatide rakenduste jaoks
Shukla, Riddhi Hirenkumar 2025 https://www.ester.ee/record=b5730420*est https://digikogu.taltech.ee/et/Item/e2ae3e2f-5df1-47bb-ac63-a3f64e703685 https://doi.org/10.23658/taltech.10/2025

Development of triangular nozzle backpressure sensors
Hindreus, Tiit; **Reedik, Vello** Socio-technical synergetics 2024 / p. 27-29 : ill https://www.ester.ee/record=b5651350*est

Development of virtual learning factory toolkit for production engineering education
Mahmood, Kashif; **Otto, Tauno**; **Kuts, Vladimir**; Terkaj, Walter; Urgo, Marcello; Haidegger, Geza IOP conference series : materials science and engineering 2021 / art. 012039, 8 p https://doi.org/10.1088/1757-899X/1140/1/012039

Development of yttrium-doped BaTiO3 for next-generation multilayer ceramic capacitors
Tihtih, Mohammed; Ibrahim, Jamal Eldin F. M.; Basyooni, Mohamed A.; En-Nadir, Redouane; Belaid, Walid; **Hussainova, Irina**; Kocserha, István ACS omega 2023 / p. 8448-8460 : ill https://doi.org/10.1021/acsomega.2c07497 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dichroic absorption of aligned graphene-augmented inorganic nanofibers in the terahertz regime
Xenidis, Nikolaos; Przewloka, Aleksandra; Stelmaszczyk, Kamil; Haras, Maciej; Smirnov, Serguei; Krajewska, Aleksandra; **Ivanov, Roman**; **Hussainova, Irina**; Oberhammer, Joachim; Skotnicki, Tomas; Mierczyk, Zygmunt; Lioubtchenko, Dmitri Applied materials today 2024 / art. 102245 https://doi.org/10.1016/j.apmt.2024.102245

Digipööre ja 10 "eluaegset professorit"
Veinthal, Renno Mente et Manu 2017 / lk. 16-18 : fot https://www.ttu.ee/public/m/mente-et-manu/MM_03_2017/mobile/index.html#p=1 https://artiklid.elnet.ee/record=b2820639*est

Digitaalse kaksikuga juhitav logistikarobot Boxbot
Horisont 2021 / lk. 5 : fot https://www.ester.ee/record=b1072243*est

Digital Twin : concept of hybrid programming for industrial robots - use case
Kuts, Vladimir; **Sarkans, Martinš**; **Otto, Tauno**; **Tähemaa, Toivo**; **Bondarenko, Yevhen** ASME 2019 International Mechanical Engineering Congress and Exposition : conference proceedings 2019 / Paper No: IMECE2019-10583, V02BT02A005; 8 pages https://doi.org/10.1115/IMECE2019-10583

Digital Twin : industrial robot kinematic model integration to the virtual reality environment
Kuts, Vladimir; **Cherezova, Natalia**; **Sarkans, Martinš**; **Otto, Tauno** Journal of machine engineering 2020 / p. 53–64 https://doi.org/10.36897/jme/120182 Journal metrics at Scopus Article at Scopus

Digital Twin : universal user interface for online management of the manufacturing system
Kuts, Vladimir; **Bondarenko, Yevhen**; **Gavriljuk, Marietta**; **Partyshev, Andriy**; **Jegorov, Sergei**; **Pizzagalli, Simone Luca**; **Otto, Tauno** Proceedings of the ASME 2021 International Mechanical Engineering Congress and Exposition 2021 / paper no: IMECE2021-69092, 7 p https://doi.org/10.1115/IMECE2021-69092

Digital twin as human-robot interaction validation tool
Kuts, Vladimir 19th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of

energy and geotechnology. III" : Tartu, Estonia, January 14-17, 2020 2020 / p. 27-28 : ill https://www.ester.ee/record=b5291755*est

Digital twin as industrial robots manipulation validation tool
Kuts, Vladimir; Marvel, Jeremy A.; Aksu, Murat; **Pizzagalli, Simone Luca**; **Sarkans, Martinš**; **Bondarenko, Yevhen**; **Otto, Tauno** Robotics 2022 / art. 113 https://doi.org/10.3390/robotics11050113 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Digital twin based learning from demonstration system for industrial robots
Bondarenko, Yevhen; **Pizzagalli, Simone Luca**; **Kuts, Vladimir**; **Petlenkov, Eduard**; **Otto, Tauno** ASME 2023 International Mechanical Engineering Congress and Exposition (IMECE2023) : proceedings. Vol. 3 2024 / art. IMECE2023-113240, V003T03A081 https://doi.org/10.1115/IMECE2023-113240

Digital twin based synchronised control and simulation of the industrial robotic cell using virtual reality
Kuts, Vladimir; **Otto, Tauno**; **Tähemaa, Toivo**; **Bondarenko, Yevhen** Journal of machine engineering 2019 / p. 128–145 : ill https://doi.org/10.5604/01.3001.0013.0464 Journal metrics at Scopus Article at Scopus

Digital twin based synchronized control and simulation of the industrial robotic cell using virtual reality
Kuts, Vladimir 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 87-88 : ill https://www.ester.ee/record=b5183874*est

Digital twin for FANUC robots: Industrial robot programming and simulation using virtual reality
Garg, Gaurav; **Kuts, Vladimir**; Anbarjafari, Gholamreza Sustainability (Switzerland) 2021 / Art. 10336 https://doi.org/10.3390/su131810336 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Digital twin for propulsion drive of autonomous electric vehicle
Rassõlkin, Anton; **Kuts, Vladimir**; **Kallaste, Ants**; **Vaimann, Toomas** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 4 p. : ill https://doi.org/10.1109/RTUCON48111.2019.8982326

Digitalisation of Supply Chain management system for customer quality service improvement
Ševtšenko, Eduard; Maas, Rene; **Murumaa, Lea**; **Karaulova, Tatjana**; Raji, Oluwole Ibrahim; **Popell, Janek** Journal of machine engineering 2022 / p. 78-90 : ill https://doi.org/10.36897/jme/147803 Journal metrics at Scopus Article at Scopus

Digitalization of education as a new destination of e-learning
Makarova, Irina; Shubenkova, Ksenia; Bagateeva, Angelina; **Pashkevich, Anton** Proceedings of ELMAR-2018 : 60th International Symposium ELMAR-2018 : 16-19 September 2018, Zadar, Croatia 2018 / p. 31-34 : ill http://doi.org/10.23919/ELMAR.2018.8534662

Digitalization of engineering education : from e-learning to smart education
Makarova, Irina; Shubenkova, Ksenia; **Antov, Dago**; **Pashkevich, Anton** Smart Industry & Smart Education : proceedings of the 15th International Conference on Remote Engineering and Virtual Instrumentation 2019 / p. 32–41 https://doi.org/10.1007/978-3-319-95678-7_4 Conference proceedings at Scopus Article at Scopus Article at WOS

Digitootmise tehnoloogiate arendusest töötlevale tööstusele
Küttner, Rein; **Karjust, Kristo**; **Otto, Tauno**; **Riives, Jüri** Teadusmõte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 122-129 : ill., fot https://www.ester.ee/record=b5208765*est

DIGSM 4.0 curriculum lifecycle based on component organised learning method
Ševtšenko, Eduard; Maas, Rene; **Karaulova, Tatjana**; **Truver, Anna**; Dembovska Iveta 14th International Scientific and Practical Conference on Environment, Technology and Resources 2023 : Rēzekne, Latvia, 15-18 June 2023 ; Volume 2 2023 / p. 203-208 https://doi.org/10.17770/etr2023vol2.7311 https://conferences.rta.lv/index.php/ETR/ETR2023/paper/view/5670

Directional conductivity in layered alumina
Hussainova, Irina; **Saffarshamshirgar, Ali**; **Ivanov, Roman**; **Volobujeva, Olga**; Romanov, Alexey; Gasik, Michael Current applied physics 2022 / p. 68-73 : ill https://doi.org/10.1016/j.cap.2020.06.009 Journa metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Disainiaastaga on astutud pikk samm disaini vajalikkuse teadvustamise suunas : vestlusringis osalesid Martin Pärn, Ivar Sakk, Kristjan Mändmaa jt.
Pärn, Martin; Sakk, Ivar; Mändmaa, Kristjan Tööstuskunstist tootedisainini : artikleid 1934–2018 2018 / lk. 138-147 : ill http://www.ester.ee/record=b4819730*est

Disainihariduse revolutsionäär Martin Pärn
Pärn, Martin Sirp 2016 / lk. 31-32 : ill http://www.sirp.ee/s1-artiklid/arhitektuur/disainihariduse-revolutsionaar-martin-parn/

Disainipärlid

Pärn, Martin Tööstuskunstist tootedisainini : artikleid 1934–2018 2018 / lk. 320-324 : ill http://www.ester.ee/record=b4819730*est

Dissemination of engineering education at schools and its adjustment to needs of enterprises
Ševtšenko, Eduard; **Karaulova, Tatjana**; Igavens, Maris; **Kuts, Vladimir** Annals of DAAAM for 2017 and proceedings of the 28th International DAAAM Symposium "Intelligent Manufacturing & Automation" : 8-11 November 2017, Zadar, Croatia 2017 / p. 44-53 : ill http://dx.doi.org/10.2507/28th.daaam.proceedings.006

Dissimilar welding of Al0.1CoCrFeNi high-entropy alloy and AISI304 stainless steel
Sokkalingam, Rathinavelu; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2019 / p. 2683-2694 : ill https://doi.org/10.1557/jmr.2019.186 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dissimilar welding of high-entropy alloy to Inconel 718 superalloy for structural applications
Sokkalingam, Rathinavelu; Pravallika, B; Sivaprasad, Katakam; Muthupandi, Veerappan; **Prashanth, Konda Gokuldoss** Journal of materials research 2022 / p. 272-283 https://doi.org/10.1557/s43578-021-00352-w Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dizaino, technologijų ir ekonominių išteklių tarpdisciplininškumo taikymas karjeros konsultavime
2019 http://books.rta.lv/index.php/RTA/catalog/view/12/15/52-1

Division of informatics and engineering
Estonian Academy of Sciences year book 2016 2017 / p. 31-32

Do we need capabilities in our management system?
Kangilaski, Taivo; **Ševtšenko, Eduard** Journal of machine engineering 2017 / p. 88-100 : ill http://www.not.pl/wydawnictwo/abstract_2017_en.html https://wydawnictwo.not.pl/2017JOM/V1/8_KANGILASKI.pdf Journal metrics at Scopus Article at Scopus

Does knowledge retrieval improves work efficiency? An investigation under multiple systems use
Sutanto, Juliana; Liu, Yi; Grigore, Mihai; **Lemmik, Rivo** International Journal of Information Management 2018 / p. 42 - 53 https://doi.org/10.1016/j.ijinfomgt.2018.01.009 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Doktoritöö ulatab robottöökohti loovatele ettevõtetele abikäe [Võrguväljaanne]
Harrik, Airika; **Kangru, Tavo** novaator.err.ee 2021 / fot Doktoritöö ulatab robottöökohti loovatele ettevõtetele abikäe

Doping engineering for controlled hydration and mechanical properties in Portland cement mortar with ultra-low ZnO concentration
Tamashiro, Jacqueline Roberta; de la Rubia, Miguel Angel; Rubio-Marcos, Fernando; **Rojas Hernandez, Rocio Estefania**; Silva, Lucas Henrique Pereira; de Paiva, Fabio Friol Guedes; Kinoshita, Angela; Terrades, Amparo Moragues Journal of building engineering 2023 / art. 107748 https://doi.org/10.1016/j.jobe.2023.107748 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A double-layer acoustic absorber as potential substitute for traditional micro-perforated elements
Auriemma, Fabio Proceedings of Meetings on Acoustics 2017 / art. 030004, p. 1-11 : ill https://doi.org/10.1121/2.0000598 Conference proceedings at Scopus Article at Scopus

Driver profiles based on values and traffic safety climate and their relationships with driver behaviors
Kaçan, Bilgesu; Fındık, Gizem; Üzümcüoğlu, Yeşim; **Pashkevich, Anton**; **Pashkevich, Maria** Transportation research part F : traffic psychology and behaviour 2019 / p. 246-259 https://doi.org/10.1016/j.trf.2019.05.010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Drop-out reduction of engineering curriculum by implementing CDIO principles to natural science studies
Petritšenko, Andres; **Sell, Raivo**; **Kase, Kärt** Futureproofing Engineering Education for Global Responsibility : Proceedings of the 27th International Conference on Interactive Collaborative Learning (ICL 2024) ; vol. 2 2025 / p. 394–401 https://doi.org/10.1007/978-3-031-85649-5_38

DTA/TG study of NiO Rreduction by Mg+C combined reducer
Zakaryan, Marieta; Niazyan, D.; **Aydinyan, Sofiya**; Kharatyan, Suren Հայաստանի քիմիական հանդես = Chemical Journal of Armenia = Химический журнал Армении 2018 / p. 473–485 : ill http://chemistry.asj-oa.am/id/eprint/7899 https://www.ester.ee/record=b1300031*est

Dynamics of flight of the fragments with higher order Haar wavelet method
Kivistik, Lenart; **Mehrparvar, Marmar**; **Eerme, Martin**; **Majak, J** Proceedings of the Estonian Academy of Sciences 2024 / p. 108-115 https://doi.org/10.3176/proc.2024.2.02

EBSD investigation of microstructure and microtexture evolution on additively manufactured TiC-Fe based cermets—

Influence of multiple laser scanning
Maurya, Himanshu Singh; Vikram, R. J.; **Kumar, Rahul, 1993-**; Rahmani Ahranjani, Ramin; **Juhani, Kristjan**; **Sergejev, Fjodor**; **Prashanth, Konda Gokuldoss** Micron 2024 / art. 103613 https://doi.org/10.1016/j.micron.2024.103613 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

An economic and sustainable approach to transform aluminosilicate-rich solid waste to functionally graded composite foam for high-temperature applications
Pandey, Vaibhav; **Yadav, Mayank Kumar**; Panda, Saroja Kanta; Singh, Vinay Kumar Chemosphere 2023 / art. 139588, 12 p. : ill https://doi.org/10.1016/j.chemosphere.2023.139588 Journal metrics at Scopus Article at Scopus

Economic aspects of mechanical pre-treatment's role in precious metals recovery from electronic waste
Blumbergs, Ervins; Shishkin, Andrei; Markus, Karlis; Serga, Vera; **Goljandin, Dmitri**; **Klauson, Artur**; Abramovskis, Vitalijs; Baroninš, Janis; Zarkov, Aleksej; Pankratov, Vladimir Metals 2024 / art. 95 https://doi.org/10.3390/met14010095 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Economic regulation assessment of network industries : railway infrastructure management in Estonia [Electronic resource]
Uukkivi, Raigo; **Koppel, Ott** Estonian discussions on economic policy = Estnische Gespräche über Wirtschaftspolitik = Eesti majanduspoliitilised väitlused. 26 (1-2) 2018 / p. 155-171 [CD-ROM]

Economical aspects of the mechanical pre-treatment role in the precious metals recovery from electronic waste
Blumbergs, Ervins; Shishkin, Andrei; Markus, Karlis; Serga, Vera; **Goljandin, Dmitri**; **Klauson, Artur**; Abramovskis, Vitalijs; Baroninš, Janis; Zarkov, Aleksej; Pankratov, Vladimir Preprints.org 2023 / 19 p https://doi.org/10.20944/preprints202312.2345.v1

Editorial : Fundamentals and challenges of advanced amorphous and high-entropy alloys
Song, Kaikai; Huang, Yongjiang; Li, Ran; Qiao, Jichao; Wang, Zhi; **Prashanth, Konda Gokuldoss**; **Sopu, Daniel** Frontiers in materials 2022 / art. 874556, 3 p. : ill https://doi.org/10.3389/fmats.2022.874556 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Vol. 1
2021 https://doi.org/10.1007/978-3-030-68198-2

Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Vol. 2
2021 https://link.springer.com/book/10.1007%2F978-3-030-68201-9 https://doi.org/10.1007/978-3-030-68201-9

Education for sustainable development
Shevtshenko, Eduard; **Karaulova, Tatjana**; Truver, Anna; Maas, Rene; Golubeva, Kerttily Futureproofing Engineering Education for Global Responsibility : Proceedings of the 27th International Conference on Interactive Collaborative Learning (ICL 2024) ; vol. 3 2025 / p. 60-72 https://doi.org/10.1007/978-3-031-83523-0_6

[Eessõna]
Karjust, Kristo Mehaanika ja tööstustehnika instituut 2018 / lk. 3 : portr https://www.ester.ee/record=b5730696*est

Eessõna
Otto, Tauno Eesti Masinatööstuse Liit. Tallinna Tehnikaülikooli mehaanikateaduskond 80 2016 / lk. 5-6 https://www.ester.ee/record=b4577314*est

Eessõna
Sell, Raivo Arduino projektid alustajale 2017 / lk. 2 http://www.ester.ee/record=b4686444*est

Eessõna
Riives, Jüri Tööstuse 4.0 väljakutse : metallitöötajate võimestamine nutikate tehaste jaoks 2020 / lk. 3-4 : portr https://www.ester.ee/record=b5302285*est

Eessõna
Kulu, Priit Jakob Kübarsepp : bibliograafia 2017 / lk. 7-8 http://www.ester.ee/record=b4664665*est

Eesti arendab platvormi SmartLog
Kõrbe Kaare, Kati Ärileht. Logistika : [ajalehe Eesti Päevaleht lisa] 2018 / lk. 19 https://arileht.delfi.ee/news/uudised/eesti-arendab-platvormi-smartlog?id=84830631 https://dea.digar.ee/article/epllogistika/2018/12/17/23

Eesti avaliku teenistuse koolitusvajaduse hindamise õppetunnid Euroopa Liidu alase koolitusvajaduse uuringute põhjal [Võrguväljaanne]
Veebel, Viljar; Kulu, Liina; **Hurt, Ulrika** Eesti Haridusteaduste Ajakiri = Estonian Journal of Education 2015 / lk. 103-126

http://dx.doi.org/10.12697/eha.2015.3.1.05

Eesti disaini tänapäev : Ene Läki intervjuu Martin Pärnaga
Pärn, Martin Tööstuskunstist tootedisainini : artikleid 1934–2018 2018 / lk. 126-129 : ill http://www.ester.ee/record=b4819730*est

Eesti esimese autonoomse sõiduki Iseauto prototüüp on valmis
Sell, Raivo Mente et Manu 2018 / lk. 28-29 : fot http://www.ester.ee/record=b1242496*est http://dea.digar.ee/publication/AKmenteetmanu https://taltech.ee/avalehekulg/?id=10641&category=128006#newsTabsMenu https://artiklid.elnet.ee/record=b2866970*est

Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80
2016 https://www.ester.ee/record=b4577314*est

Eesti Masinatööstuse Liit. TTÜ mehaanika ja tööstustehnika instituut 85
1921 https://www.ester.ee/record=b5425346*est

Eesti teaduskeel inseneerias
Kübarsepp, Jakob; **Kulu, Priit** Eesti teaduskeel keelterikkas teadusmaailmas 2020 / lk. 188-211 : ill https://www.ester.ee/record=b5386829*est

Eesti teevad nutikaks insenerid
Renno Veinthal Postimees 2020 / Lk. 15 https://dea.digar.ee/article/postimees/2020/12/01/14.6

Eesti tulevik sõltub võimetest ja oskusest luua õigeid asju
Otto, Tauno sirp.ee 2025 https://www.sirp.ee/eesti-tulevik-soltub-voimetest-ja-oskusest-luua-oigeid-asju/

Eestis konstrueeriti Euroopa moodsaim kiirvoldikvärav
Imeline Teadus 2023 / lk. 21 https://www.ester.ee/record=b2747925*est

Eestis loodud kiirvoldikvärav on Euroopa moodsaim omataoline
ari.geenius.ee 2023 Eestis loodud kiirvoldikvärav on Euroopa moodsaim omataoline

Effect of aggregation methods in fuzzy technique for prioritization of criteria of automated vehicle system
Mehrparvar, Marmar; **Majak, Jüri**; **Karjust, Kristo** AIP conference proceedings 2024 / art. 020011 https://doi.org/10.1063/5.0189323 Journal metrics at Scopus Article at Scopus

Effect of annealing temperature of brownish-red pigment based on iron oxide extracted by hydrothermal route from mill-scale steel slag
Eticha, Zekarias G.; **Rojas Hernandez, Rocio Estefania**; **Hussainova, Irina** Journal of Sustainable Metallurgy 2022 / p. 218-227 https://doi.org/10.1007/s40831-021-00470-z Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of biodiesel-dimethyl carbonate blends on engine performance, combustion and emission characteristics
Razzaq, Luqman; Mujtaba, M. A.; Shahbaz, M.A.; Nawaz, Saad; Mahmood Khan, Haris; **Hussain, Abrar**; Ishtiaq, Usama; Kalam, M. A.; M. Soudagar, Manzoore Elahi; Ismail, Khadiga Ahmed; Elfasakhany, Ashraf; Rizwan, Hafiz Muhmmad Alexandria Engineering Journal 2022 / p. 5111 - 5121 https://doi.org/10.1016/j.aej.2021.10.015 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of carbon content on the microstructure and phases of (Ti,V,Nb,Cr,Mo)Cx high-entropy carbide
Anwar, Furqan; **Tarraste, Marek**; Berger, Lutz-Michael; Pötschke, Johannes Proceedings of the Estonian Academy of Sciences 2025 / p. 132-136 : ill https://doi.org/10.3176/proc.2025.2.08

Effect of carbon stabilizing elements on WC cemented carbides with chromium steel binder
Tarraste, Marek; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Mere, Arvo**; **Viljus, Mart** Materials science = Medžiagotyra 2019 / p. 202-206 : ill https://doi.org/10.5755/j01.ms.25.2.19619 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of cBN content and additives on sliding and surface fatigue wear of spark plasma sintered Al2O3-cBN composites
Kumar, Rahul, 1993-; **Antonov, Maksim**; Klimczyk, Piotr; **Mikli, Valdek**; **Gomon, Dmitri** Wear 2022 / art. 204250 https://doi.org/10.1016/j.wear.2022.204250 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of ceramic reinforcement on the microstructural, mechanical and tribological behavior of Al-Cu alloy metal matrix composite
Aktar Zahid Sohag, Md; Gupta, Pallav; Kondal, Neha; Kumar, Devendra; **Singh, Neera**; Jamwal, Anbesh Materials today: proceedings 2020 / p. 1407-1411 https://doi.org/10.1016/j.matpr.2019.08.179 Conference Proceedings at Scopus Article at Scopus Article at WOS

Effect of electrode covering composition on the microstructure, wear, and economic feasibility of Fe-C-Cr manual arc-

welded hardfacings
Jankauskas, Vytenis; Katinas, Egidijus; Laskauskas, Arturas; **Antonov, Maksim**; Varnauskas, Valentinas; Gedzevičius, Irmantas; Aleknevičiene, Vilija Coatings 2020 / art. 294, 19 p. : ill https://doi.org/10.3390/coatings10030294 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of electrolyte composition on the surface characteristics of plasma electrolytic oxidation coatings over Ti40Nb alloy
Lokeshkumar, E.; Premchand, C.; Palanivel, Manojkumar; Shishir, R.; Krishna, L. Rama; **Prashanth, Konda Gokuldoss**; Rameshbabu, Nagumothu Surface and coatings technology 2023 / art. 129591 https://doi.org/10.1016/j.surfcoat.2023.129591 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of erodent particle impact energy on wear of cemented carbides
Antonov, Maksim; Yung, Der-Liang; **Goljandin, Dmitri**; **Mikli, Valdek**; **Hussainova, Irina** Wear 2017 / p. 507-515 : ill https://doi.org/10.1016/j.wear.2016.11.032 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of FeNiCrBSiC-MeB2 material composition on the oxidation behavior at high temperatures
Umanskyi, Oleksandr; Storozhenko, Maryna; Koshelev, M.; **Antonov, Maksim** Powder metallurgy and metal ceramics 2019 / p. 670-678 : ill https://doi.org/10.1007/s11106-019-00030-x Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of fly-ash cenospheres on properties of clay-ceramic syntactic foams
Rugele, Kristine; Lehmhus, Dirk; **Hussainova, Irina**; Peculevica, Julite; Lisnanskis, Marks; Shishkin, Andrei Materials 2017 / art. 828, p. 1-17 : ill https://doi.org/10.3390/ma10070828 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of graphene nanoplatelet content on mechanical and elevated-temperature tribological performance of self-lubricating ZE10 magnesium alloy nanocomposites
Kandemir, Sinan; **Yöyler, Sibel**; **Kumar, Rahul, 1993-**; **Antonov, Maksim**; Dieringa, Hajo Lubricants 2024 / art. 52 https://doi.org/10.3390/lubricants12020052 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of hard cyclic viscoplastic deformation on the microstructure, mechanical properties, and electrical conductivity of Cu-Cr alloy
Kommel, Lembit; Huot, Jacques; Omranpour Shahreza, Babak Journal of Materials Engineering and Performance 2022 / p. 9690-9702 https://doi.org/10.1007/s11665-022-06997-w Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of HBN on wear of AlCrN-coated spark plasma - sintered TiB2/Ti composites at temperatures up to 900°C
Luszcz, Maciej; Michalczewski, Remigiusz; Kalbarczyk, Marek; Osuch-Słomka, Edyta; Molenda, Jaroslaw; **Liu, Le**; **Antonov, Maksim**; **Hussainova, Irina** Quarterly tribologia 2022 / p. 43-55 https://doi.org/10.5604/01.3001.0015.8756

Effect of high chromium content additions in iron-bonded Ti(C,N) cermets: a hardness-toughness tradeoff
Pampori, Tabeen Halawat; **Kolnes, Märt**; **Juhani, Kristjan**; **Tarraste, Marek**; **Kübarsepp, Jakob** Proceedings of the Estonian Academy of Sciences 2025 / p. 170-174 : ill https://doi.org/10.3176/proc.2025.2.16

Effect of hot isostatic pressing on cellular lattice structures obtained by selective laser melting [Electronic resource]
Holovenko, Yaroslav; **Kollo, Lauri**; **Jõeleht, Marek**; **Pohlak, Meelis**; **Veinthal, Renno** World PM2016 proceedings 2016 / [USB]

Effect of interlayer delay on the microstructure and mechanical properties of wire arc additive manufactured wall structures
Singh, Shalini; Jinoop, Arackal Narayanan; Tarun Kumar, Gorlea Thrinadh Ananthvenkata; Palani, Iyamperumal Anand; Paul, Christopher R. C.; **Prashanth, Konda Gokuldoss** Materials 2021 / art. 4187, 13 p. : ill https://doi.org/10.3390/ma14154187 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of ionic liquids on the mechanical properties of electrospun polyacrylonitrile membranes
Plamus, Tiia; **Savest, Natalja**; **Viirsalu, Mihkel**; Harz, Patrick; **Tarasova, Elvira**; **Krasnou, Illia**; **Vassiljeva, Viktoria**; **Kallavus, Urve**; **Krumme, Andres** Polymer testing 2018 / p. 335-343 : ill https://doi.org/10.1016/j.polymertesting.2018.09.003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of laser heat treatment on AlxTi1-xN-based PVD coatings, deposited on carbon and tool steel substrates
Surženkov, Andrei; **Viljus, Mart**; **Antonov, Maksim**; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Kulu, Priit**; **Vagiström, Heinar**; Jankauskas, Vytenis; Leišys, Rimtautas; Bendikiene, Regita; Adoberg, Eron; Peetsalu, Priidu; **Mere, Arvo**; **Gregor, Andre** Surface and coatings technology 2022 / art. 128771 https://doi.org/10.1016/j.surfcoat.2022.128771 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of lattice surface treatment on performance of hardmetal - titanium interpenetrating phase composites
Holovenko, Yaroslav; **Kollo, Lauri**; **Saarna, Mart**; **Rahmani Ahranjani, Ramin**; Soloviova, Tetiana; **Antonov, Maksim**; **Prashanth, Konda Gokuldoss**; Cygan, Slawomir; **Veinthal, Renno** International journal of refractory metals and hard materials 2020 / art. 105087, 10 p. : ill https://doi.org/10.1016/j.ijrmhm.2019.105087 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of nanoparticles on morphology and size of primary silicon and property of selective laser melted Al-high Si content alloys
Xi, Lixia; Guo, Shuang; **Prashanth, Konda Gokuldoss**; **Sarac, Baran**; **Eckert, Jürgen** Vacuum 2021 / art. 110405 https://doi.org/10.1016/j.vacuum.2021.110405 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of NiCoFeAlTi high entropy intermetallic reinforcement particle size on the microstructure and mechanical properties of CoCrFeMnNi high-entropy alloy composites fabricated by selective laser melting
Zhang, Zhiyu; Ma, Pan; Fang, Yacheng; Yang, Zhilu; Zhang, Nan; **Prashanth, Konda Gokuldoss**; Jia, Yandong Journal of alloys and compounds 2023 / art. 169417 https://doi.org/10.1016/j.jallcom.2023.169417 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of niobium on in situ synthesis of titanium carbide in composite hardfacings
Yöyler, Sibel; **Surzhenkov, Andrei**; **Viljus, Mart**; **Traskmaa, Rainer**; **Juhani, Kristjan** Materials Engineering and Modern Manufacturing, MeMM 2023 : Selected peer-reviewed extended articles based on abstracts presented at the 30thInternational Baltic Conference “Materials Engineering and Modern Manufacturing 2023”, MeMM 2023 Materials science forum 2023 / p. 55-60 https://doi.org/10.4028/p-A5WzJl

The effect of niobium on the microstructure evolution of ferritic stainless steel matrix cermets
Kolnes, Märt; **Juhani, Kristjan**; **Kübarsepp, Jakob**; **Viljus, Mart** Modern materials and manufacturing 2023 2024 / art. 040011 https://doi.org/10.1063/5.0190158 Conference Proceedings at Scopus Article at Scopus

Effect of powder bed preheating on the crack formation and microstructure in ceramic matrix composites fabricated by laser powder-bed fusion process
Maurya, Himanshu Singh; Kosiba, Konrad; **Juhani, Kristjan**; **Sergejev, Fjodor**; **Prashanth, Konda Gokuldoss** Additive manufacturing 2022 / art. 103013, 13 p. : ill https://doi.org/10.1016/j.addma.2022.103013 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of powder characteristic and aging treatment on the corrosion behavior of selective laser melted Al-20Si alloy
Ma, Pan; Zhang, Zhiyu; Ke, Yu; Yang, Shuhao; Deng, Kun; Cheng, Peng; Chen, Hongdian; **Prashanth, Konda Gokuldoss** Transactions of the Indian Institute of Metals 2022 / p. 2367-2377 https://doi.org/10.1007/s12666-022-02548-y Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of precipitation heat treatment on a mechanically alloyed Al-based composite reinforced with metallic glassy powder
Deng, Guiying; Wang, Zhi; Hu, Yuan; Zhao, Qizhong; Zhang, Weiwen; Yang, Chao; Li, Liejun; **Prashanth, Konda Gokuldoss**; Suryanarayana, Challapalli Advanced engineering materials 2024 / 10 p https://doi.org/10.1002/adem.202401075

Effect of preheating and cooling of the powder bed by laser pulse shaping on the microstructure of the TiC based cermets
Maurya, Himanshu Singh; **Kollo, Lauri**; **Juhani, Kristjan**; **Sergejev, Fjodor**; **Prashanth, Konda Gokuldoss** Ceramics international 2022 / p. 20612-20618 https://doi.org/10.1016/j.ceramint.2022.04.029 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of process parameters on the properties of β-Ti-Nb-based alloys fabricated by selective laser melting: A review
Subramanian, Shangavi; **Mohanty, Shalini**; **Prashanth, Konda Gokuldoss** Materials today: proceedings 2023 https://doi.org/10.1016/j.matpr.2023.03.461 Journal metrics at Scopus Article at Scopus

Effect of pulsed deuterium plasma irradiation on dual-phase tungsten high-entropy alloys
Tõkke, Siim; Laas, Tõnu; Priimets, Jaanis; **Tarraste, Marek**; **Mikli, Valdek**; **Antonov, Maksim** Fusion engineering and design 2022 / 11 p. : ill https://doi.org/10.1016/j.fusengdes.2022.113260 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of scanning speed on mechanical, corrosion, and fretting-tribocorrosion behavior of austenitic 316L stainless steel produced by laser powder bed fusion process
Uva Narayanan, Chellaiya; Daniel, Ashish; Praveenkumar, Kesavan; Manivasagam, Geetha; Suwas, Satyam; **Prashanth, Konda Gokuldoss**; Suya Prem Anand, Pandaravadivoo Journal of Manufacturing Processes 2024 / p. 1582-1593 https://doi.org/10.1016/j.jmapro.2024.09.108 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of scanning strategy on microstructure and texture evolution in a selective laser melted Al-33Cu eutectic alloy
Vikram, R. J.; Gokulnath, S. A.; **Prashanth, Konda Gokuldoss**; Suwas, Satyam Journal of alloys and compounds 2023 / art. 168098, 10 p. : ill https://doi.org/10.1016/j.jallcom.2022.168098 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of selective laser melting process parameters on microstructural and mechanical properties of TiC–NiCr cermet
Aramian, Atefeh; Sadeghian, Zohreh; Razavi, Seyed Mohammad J.; **Prashanth, Konda Gokuldoss**; Berto, Filippo Ceramics international 2020 / p. 28749-28757 https://doi.org/10.1016/j.ceramint.2020.08.037 Journal metrics at Scopus Article at Scopus Journal

metrics at WOS Article at WOS

Effect of sintering method on surface fatigue of carbide composites
Petrov, Mihhail; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; **Viljus, Mart**; **Tarraste, Marek** Engineering materials and tribology XXV 2017 / p. 368-372 : ill https://doi.org/10.4028/www.scientific.net/KEM.721.368 Journal metrics at Scopus Article at Scopus

Effect of solid lubricants on wear of PVD-coated spark plasma-sintered TiB2/Ti composites
Luszcz, Maciej; Michalczewski, Remigiusz; Kalbarczyk, Marek; Osuch-Slomka, Edyta; **Liu, Le**; **Antonov, Maksim**; **Hussainova, Irina** Modern materials and manufacturing 2023 2024 / art. 040010 https://doi.org/10.1063/5.0190460 Conference proceedings at Scopus Article at Scopus

Effect of substrate plate heating on the microstructure and properties of selective laser melted Al-20Si-5Fe-3Cu-1Mg alloy
Ma, Pan; Ji, Pengcheng; Jia, Yandong; Shi, Xuerong; Yu, Zhishui; **Prashanth, Konda Gokuldoss** Materials 2021 / art. 330 https://doi.org/10.3390/ma14020330 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of surface features stiffness on tribological performance of 3D printed light-weight Ti6Al4V alloy
Antonov, Maksim; **Pohlak, Meelis**; **Ivanov, Roman**; **Hussainova, Irina** Modern materials and manufacturing 2023 2024 / art. 040015 https://doi.org/10.1063/5.0189279 Conference proceedings at Scopus Article at Scopus

The effect of temperature and sliding speed on friction and wear of Si3N4, Al2O3, and ZrO2 balls tested against AlCrN PVD coating
Antonov, Maksim; **Afshari, Hossein**; **Baroninš, Janis**; **Adoberg, Eron**; **Raadik, Taavi**; **Hussainova, Irina** Tribology international 2018 / p. 500-514 : ill https://doi.org/10.1016/j.triboint.2017.05.035 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of the laser processing parameters on the selective laser melting of TiC–Fe-based cermets
Maurya, Himanshu Singh; **Kollo, Lauri**; **Tarraste, Marek**; **Juhani, Kristjan**; **Sergejev, Fjodor**; **Prashanth, Konda Gokuldoss** Journal of manufacturing and materials processing 2022 / art. 35, 11 p. : ill https://doi.org/10.3390/jmmp6020035 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of thermal shock treatment parameters on the efficiency of WC-Co cermet recycling
Kariminejad, Arash; **Antonov, Maksim**; Kumar, Rahul, 1993-; **Goljandin, Dmitri**; **Klimczyk, Piotr**; **Viljus, Mart** AIP conference proceedings 2024 / art. 040013 https://doi.org/10.1063/5.0189330 Conference Proceedings at Scopus Article at Scopus

Effect of thermal spraying method on the microstructure and wear behaviour of FeNiCrBSiC-CrB2 coating
Umanskyi, O.; Storozhenko, M.; **Antonov, Maksim**; Terentyev, O.; Koval, O.; **Goljandin, Dmitri** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 37-42 : ill https://www.ester.ee/record=b5235278*est https://www.scientific.net/KEM.799.37 https://doi.org/10.4028/www.scientific.net/KEM.799.37 Conference proceeding at Scopus Article at Scopus

Effect of TiB2 addition on the mechanical and biological response of spark plasma sintered Ti6Al7Nb matrix composites
Singh, Neera; Ummethala, Raghunandan; Surreddi, Kumar Babu; Jayaraj, Jayamani; **Sokkalingam, Rathinavelu**; Rajput, Monika; Chatterjee, Kaushik; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2022 / art. 166502 https://doi.org/10.1016/j.jallcom.2022.166502 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of TiB2 particles on microstructure and crystallographic texture of Al-12Si fabricated by selective laser melting
Xi, L.; Wang, P.; **Prashanth, Konda Gokuldoss**; Li, H. Journal of alloys and compounds 2019 / p. 551-556 : ill https://doi.org/10.1016/j.jallcom.2019.01.327 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of unit cell rotation on mechanical performance of selective laser melted Gyroid structures for bone tissue engineering
Rezapourianghahfarokhi, Mansoureh; **Kumar, Rahul, 1993-**; **Hussainova, Irina** Progress in engineering science 2024 / art. 100011 https://doi.org/10.1016/j.pes.2024.100011

Effect of wear debris entrapment on the tribological performance of AlCoCrFeNi produced by selective laser melting or spark plasma sintering
Karimi, Javad; **Antonov, Maksim**; **Prashanth, Konda Gokuldoss** Metallurgical and materials transactions A : Physical metallurgy and materials science 2022 / p. 4004-4010 https://doi.org/10.1007/s11661-022-06805-z Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effective tools and models for engineering faculty MasteryTeaching supporting meaningful learning
Rüütmann, Tiia Proceedings of the 2020 IEEE Global Engineering Education Conference (EDUCON) : Engineering Education for the Future in a Multicultural and Smart World, 27-30 April, 2020, Porto, Portugal 2020 / 1622-1626 : ill https://doi.org/10.1109/EDUCON45650.2020.9125266

Efficiency assessment of measures to increase sustainability of the transport system
Makarova, Irina; Shubenkova, Ksenia; Pashkevich, Anton Transport 2021 / p. 123–133 : ill https://doi.org/10.3846/transport.2021.14996 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Efficiency management of robotic production processes at automotive industry
Makarova, Irina; Khabibullin, Rifat; Mukhametdinov, Eduard; **Pashkevich, Anton**; Shubenkova, Ksenia 17th Mechatronika 2016 : proceedings of the 2016 17th International Conference on Mechatronics - Mechatronika (ME) 2016 : Prague, Czech Republic, December 7-9, 2016 2016 / p. 35-42 : ill http://ieeexplore.ieee.org/document/7827790/

Efficiency optimization of mini unmanned multicopter
Penkov, Igor; **Aleksandrov, Dmitri** International review of aerospace engineering 2017 / p. 277-281 : ill https://doi.org/10.15866/irease.v10i5.12132 Journal metrics at Scopus Article at Scopus

Efficient energy recovery from textile waste and biomass mixture
Kramens, Janis; Vigants, Edgars; Kanukuntla, Sai-Pavan; **Goljandin, Dmitri** Engineering for Rural Development ; vol. 22 2023 / p. 817 - 825 https://doi.org/10.22616/ERDev.2023.22.TF161 Conference Proceedings at Scopus Article at Scopus

Ei meelita ka 3000-eurone palk. Eestis valitseb tõsine inseneride puudus
Kübarsepp, Iris; Jõesaar, Jete-Ri delfi.ee 2024 Ei meelita ka 3000-eurone palk. Eestis valitseb tõsine inseneride puudus

Ein bronzener Brillenspiralanhänger von der Insel Aegna (Estland) : Überlegungen zur Herkunft, Herstellung und zur Insel als Deponierungsort
Sperling, Uwe; Tamla, Ülle; Trommer, Frank; **Vassiljev, Jüri**; **Viljus, Mart** Archäologisches Korrespondenzblatt 2021 / S. 205-207 https://doi.org/10.11588/ak.2021.2.89275 Journal metrics at Scopus Article at Scopus

Ekspedeerija käsiraamat [Võrguteavik]
Aasjõe, Ülle; Eidast, Ain; **Koppel, Ott** 2016 http://eprints.tktk.ee/2534/7/Ekspedeerija%20kasiraamat_2016%20(15.11).pdf http://www.ester.ee/record=b4571864*est

Eksperdid: Tallinna liiklus on võrreldav 1970. aastate Lääne-Euroopaga
Piir, Rait novaator.err.ee 2024 Eksperdid: Tallinna liiklus on võrreldav 1970. aastate Lääne-Euroopaga

Eksperthinnanguks murtakse vahel ka raudteerelsse
https://www.ester.ee/record=b4750061*est 2023 https://www.ester.ee/record=b4750061*est

Eksperthinnanguks murtakse vahel ka raudteerelsse
Tööstus : [ajalehe Eesti Päevaleht lisa] 2023 https://www.ester.ee/record=b4750061*est

Elaboration of framework for green and cost efficient package development for electronic industry
Ševtšenko, Eduard; **Karaulova, Tatjana**; **Pohlak, Meelis**; **Mahmood, Kashif** International Conference on Innovative Technologies : IN-TECH 2016 : Prague : proceedings 2016 / p. 239-242 : ill http://www.in-tech.info/download/INTECH_2016_proceedings.pdf

Electrical and thermal anisotropy in additively manufactured AlSi10Mg and Fe-Si samples
Sarap, Martin; **Tiismus, Hans**; **Kallaste, Ants**; **Saarna, Mart**; **Kolnes, Märt**; Shams Ghahfarokhi, Payam; **Vaimann, Toomas** Machines 2025 / art. 1 https://doi.org/10.3390/machines13010001

Electrochemical analysis of friction welded 17-4 PH stainless steel components manufactured by selective laser melting
Dinesh, Lanka; Nitheesh Kumar, R.; **Prashanth, Konda Gokuldoss**; Sivaprasad, K. International journal on interactive design and manufacturing 2023 / 8 p. : ill https://doi.org/10.1007/s12008-023-01659-0 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrochemical behaviour of TiCN and TiAlN gradient coatings prepared by lateral rotating cathode arc PVD technology
Baroniņš, Janis; **Podgurski, Vitali**; **Antonov, Maksim**; **Bereznev, Sergei**; **Hussainova, Irina** Engineering materials and tribology XXV 2017 / p. 414-418 https://doi.org/10.4028/www.scientific.net/KEM.721.414 Journal metrics at Scopus Article at Scopus

Electrochemical merits of selective laser melted Mo/MoS2 composite in aqueous solutions
Alinejadian, Navid; Kazemi, Sayed Habib; **Kollo, Lauri**; **Grossberg-Kuusk, Maarja**; Odnevall, Inger Charlotta; **Prashanth, Konda Gokuldoss** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 7 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

The electrochemical reduction of oxygen on noble metal free and biomass-based carbon nanomaterials = Hapniku elektrokeemiline redutseerumine väärismetalli-vabadel ja biomassil põhinevatel süsiniku nanomaterjalidel
Kaare, Kätlin 2022 https://doi.org/10.23658/taltech.48/2022 https://digikogu.taltech.ee/et/Item/0e17c0ff-8910-49a1-a7f3-8525b28b4b77 https://www.ester.ee/record=b5511685*est

Electroconductive composite of zirconia and hybrid graphene/alumina nanofibers

Hussainova, Irina; **Drozdova, Maria**; Perez-Coll, Domingo Journal of the European Ceramic Society 2017 / p. 3713-3719 : ill https://doi.org/10.1016/j.jeurceramsoc.2016.12.033 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electroconductive oxide ceramics with graphene-encapsulated fillers
Hussainova, Irina; **Drozdova, Maria**; **Ivanov, Roman**; Kale, Sudhir S.; Jasiuk, Iwona Proceedings of the 42nd international conference on advanced ceramics and composites 2019 / p. 251–258 https://doi.org/10.1002/9781119543343.ch25 Conference proceeding at Scopus Article at Scopus Article at WOS

Electroconductive oxide ceramics with hybrid graphenated nanofibers = Elektrijuhtiva oksiid-grafeenkiudkeraamika tehnoloogia ja püsivus
Drozdova, Maria 2017 https://digi.lib.ttu.ee/i/?9119 http://www.ester.ee/record=b4748247*est

Electro-deposited nano-Ni/reduced graphene oxide composite film of corrugated surface for high voltammetric sensitivity
Alinejadian, Navid; Kazemi, Sayed Habib; Nasirpouri, Farzad; Odnevall, Inger Charlotta Materials chemistry and physics 2023 / art. 127288, 8 p. : ill https://doi.org/10.1016/j.matchemphys.2022.127288 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electroless Ni-P-MoS2-Al2O3 composite coating with hard and self-lubricating properties
Mohanty, Shalini; Jamal, Naghma; Das, Alok Kumar; **Prashanth, Konda Gokuldoss** Materials 2022 / art. 6806 https://doi.org/10.3390/ma15196806 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electron beam melting of (FeCoNi)86Al7Ti7 high-entropy alloy
Peng, Cong; Jia, Yandong; Liang, Jian; Xu, Long; Wang, Gang; Mu, Yongkun; Sun, Kang; Ma, Pan; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 170752 https://doi.org/10.1016/j.jallcom.2023.170752 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electron-beam welding of high-entropy alloy and stainless steel: microstructure and mechanical properties
Sokkalingam, Rathinavelu; Mastanaiah, P.; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Materials and manufacturing processes 2020 / p. 1885-1894 https://doi.org/10.1080/10426914.2020.1802045 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrospun conductive membranes from Pani-Ionic liquid blends [Online resource]
Plamus, Tiia; **Savest, Natalja**; **Kallavus, Urve**; Krumme, Andres Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7.-8. märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p http://fmtdk.ut.ee/teesid-2018/

Elektriautode süttimisoht: kas müüt või tegelikkus?
accelerista.com 2025 https://accelerista.com/a-ja-o/tarkusetera/elektriautode-suttimisoht-kas-muut-voi-tegelikkus/

Elucidating reaction mechanism by molten salt of potential rare-earth-free Zn2SiO4 UV-B emitter: Insights into morphology and emission features
Necib, Jallouli; **Feldbach, Eduard**; **Romet, Ivo**; **Nagirnyi, Vitali**; Hussainova, Irina; **Jüstel, Thomas**; Rojas Hernandez, Rocio Estefania Ceramics international 2025 / p. 34922-34931 : ill https://doi.org/10.1016/j.ceramint.2025.05.212

Elust enesest: kuidas paigaldada laborisse mõõtmetelt väiksema vannitoa suurune ja 5,5 tonni kaaluv tööpink?
digi.geenius.ee 2023 Elust enesest: kuidas paigaldada laborisse mõõtmetelt väiksema vannitoa suurune ja 5,5 tonni kaaluv tööpink?

EMIL - Eesti Mehaanikainseneride Liit
Hermaste, Aigar; **Kulu, Priit** Eesti Masinatööstuse Liit. TTÜ mehaanika ja tööstustehnika instituut 85 2021 / lk. 86-88 : fot

EMLi juhatuse esimeeste lood
Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80 2016 / lk. 7-15 : portr

Empennage sizing using tail volume
Karunanidhi, Ramachandran; Scholz, Dieter; **Majak, Jüri**; **Eerme, Martin** AIP conference proceedings 2022 / art. 380007 https://doi.org/10.1063/5.0082095 Conference Proceedings at Scopus Article at Scopus

Empirical synergetics
Tähemaa, Toivo; **Reedik, Vello** Socio-technical synergetics 2024 / p. 32-38 : ill https://www.ester.ee/record=b5651350*est

Empowering synergy dynamics in chaos control in hierarchical teamwork
Källo, Rommi; **Eerme, Martin**; **Reedik, Vello** Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th April 2016, Tallinn, Estonia 2016 / p. 37-42 : ill http://innomet.ttu.ee/daaam/

Enabling the teaching factory leveraging a virtual reality system based on the digital twin

Kuts, Vladimir; **Otto, Tauno**; Caldarola, Enrico G.; Modoni, Gianfranco E.; Sacco, Marco The Industrial Track of EuroVR 2018: Proceedings of the 15th Annual EuroVR Conference 2018 / p. 26–31 : ill https://www.vtt.fi/inf/pdf/technology/2018/T339.pdf

Encapsulated whiskers as electroconductive fillers for ceramics
Hussainova, Irina; **Ivanov, Roman**; Kale, Sudhir S.; Jasiuk, Iwona Short fibre reinforced cementitious composites and ceramics 2019 / p. 131-[139] https://doi.org/10.1007/978-3-030-00868-0_9

Endolymphatic structures in headshields of the osteostracan genus Trematapsis (Agnatha) from the Silurian of Estonia
Märss, Tiiu; Wilson, Mark V.H.; **Viljus, Mart** Estonian journal of earth sciences 2022 / p. 135-156 : ill https://doi.org/10.3176/earth.2022.10 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

End-to-end multimodal sensor dataset collection framework for autonomous vehicles
Gu, Junyi; Lind, Artjom; Chhetri, Tek Raj; **Bellone, Mauro**; **Sell, Raivo** Sensors 2023 / art. 6783, 25 p. : ill https://doi.org/10.3390/s23156783 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Endurance of micro-perforated elements in unmanned ground vechicle's small diesel engine silencer application
Rämmal, Hans; **Lavrentjev, Jüri** SAE Technical Paper Series : The 25th Small Engine Technology Conference (SETC2019) : Small Powertrains–Innovating for Their Future Role, International Conference Center Hiroshima, November 19-21, 2019 : Final program 2020 / Paper 2019-32-0533, p. 1-8 http://www.setc-jsae.com/2019docs/SETC2019_FinalProgram_all.pdf Conference proceedings at Scopus Article at Scopus

Energy efficiency evaluation method for mobile robot platform design = Liikuva robotplatvormi energia efektiivsuse hindamise meetod
Väljaots, Eero 2017 https://digi.lib.ttu.ee/i/?7414 https://www.ester.ee/record=b4665023*est

Energy efficiency profiles for unmanned ground vehicles
Väljaots, Eero; **Sell, Raivo** Proceedings of the Estonian Academy of Sciences 2019 / p. 55–65 : ill https://doi.org/10.3176/proc.2019.1.04 http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-55-65.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Engineering pedagogy and engineering educators' competency model for effective teaching and learning steam
Rüütmann, Tiia Problems of education in the 21st Century 2023 / p. 531−546 https://doi.org/10.33225/pec/23.81.531

Engineering pedagogy as the basis for effective teaching competencies of engineering faculty
Rüütmann, Tiia Higher Education in Russia = Высшее образование в России 2019 / p. 123−131 : ill https://doi.org/10.31992/0869-3617-2019-28-12-123-131 Journal metrics at Scopus Article at Scopus

Engineering pedagogy science as the contemporary basis for effective teaching of science, technology and engineering
Rüütmann, Tiia Science and Technology Education: Current challenges and possible solutions : Proceedings of the 3rd International Baltic Symposium on Science and Technology Education (BalticSTE2019), Šiauliai, 17–20 June, 2019 2019 / p. 187−194 https://www.academia.edu/39654294/SCIENCE_AND_TECHNOLOGY_EDUCATION_CURRENT_CHALLENGES_AND_POSSIBLE_SOLUTIONS

Enhanced optical and thermal conductivity properties of barium titanate ceramic via strontium doping for thermo-optical applications
Tihtih, Mohammed; Ibrahim, Jamal Eldin F. M.; Basyooni, Mohamed A.; En-nadir, Redouane; Belaid, Walid; Abdelfattah, Mohamed M.; **Hussainova, Irina**; Pszota, Gabor; Kocserha, Istvan Optical and Quantum Electronics 2023 / art. 226, 20 p. : ill https://doi.org/10.1007/s11082-022-04516-8 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Enhancement of hydrogen storage in metals by using a new technique in Severe Plastic Deformations
Omranpour Shahreza, Babak; **Kommel, Lembit**; Sanchez, E. Garcia Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 173-178 : ill https://doi.org/10.4028/www.scientific.net/KEM.799.173 https://www.scientific.net/KEM.799.173 https://www.ester.ee/record=b5235278*est Conference proceeding at Scopus Article at Scopus

Enhancing mobility as a service with autonomous last-mile shuttles and data exchange layer for public transport
Kalda, Krister; **Sell, Raivo**; Kivimäe, Martin Modern materials and manufacturing 2023 : Tallinn, Estonia, 2-4 May 2023 2024 / art. 020006 https://doi.org/10.1063/5.0189880 Article at Scopus Conference Proceedings at Scopus

Enhancing NIR emission in ZnAl2O4:Nd,Ce nanofibers by co-doping with Ce and Nd: a promising biomarker material with low cytotoxicity
Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Gorni, Giulio; Marini, Carlo; **Danilson, Mati**; Pascual, Laura; Ichikawa, Rodrigo Uchida; **Hussainova, Irina**; Fernandez, Jose Francisco Journal of materials chemistry C 2021 / p. 657-670 : ill https://doi.org/10.1039/D0TC04752J Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Enhancing project-based learning through the integration of computer aided manufacturing and metal shaping

technologies courses
Pohlak, Meelis; **Kase, Kärt**; **Sergejev, Fjodor**; **Pahk, Liisa** Futureproofing Engineering Education for Global Responsibility : Proceedings of the 27th International Conference on Interactive Collaborative Learning (ICL 2024) ; vol. 3 2025 / p. 430-441 https://doi.org/10.1007/978-3-031-83523-0_40

Enhancing sustainable development of the Estonian maritime sector through policy-making framework = Eesti merendussektori jätkusuutliku arengu toetamine läbi poliitikakujundamise raamistiku
Nõmmela, Kaidi 2023 https://doi.org/10.23658/taltech.12/2023 https://digikogu.taltech.ee/et/Item/4f531464-c595-4b68-88e7-bf6419442940 https://www.ester.ee/record=b5552865*est

Enhancing the partner selection process in a Sustainable Partner Network
Ševtšenko, Eduard; **Mahmood, Kashif**; **Karaulova, Tatjana** IFAC-PapersOnLine 2019 / p. 2425-2430 : ill https://doi.org/10.1016/j.ifacol.2019.11.570 Conference proceedings at Scopus Article at Scopus Article at WOS

Enhancing the tensile properties of laser repairing Ti-6Al-4V alloys: Optimization of strain distribution based on composition fine-turning
Zhang, H.; Wang, G.; Yang, S.; Wang, N.; **Prashanth, Konda Gokuldoss**; Ye, Z.; Zhao, K.; Zhang, F.; Tan, H. Journal of Materials Science & Technology 2024 / p. 1-11 https://doi.org/10.1016/j.jmst.2024.02.065

Enne süda, siis aju
Rüütmann, Tiia Trialoog 2024 Enne süda, siis aju

Ensuring performance measurement integrity in logistics using blockchain
Kuhi, Kristjan; **Kõrbe Kaare, Kati**; **Koppel, Ott** 2018 IEEE International Conference on Service Operations and Logistics, and Informatics (SOLI 2018) : Singapore, 31 July - 2 August 2018 2018 / p. 256-261 : ill https://doi.org/10.1109/SOLI.2018.8476737

Ensuring sustainability of public transport system through rational management
Makarova, Irina; **Pashkevich, Anton**; Shubenkova, Ksenia Procedia engineering 2017 / p. 137-146 : ill https://doi.org/10.1016/j.proeng.2017.01.078 Conference proceedings at Scopus Article at Scopus Article at WOS

Ensuring the cycling safety by improving bicycle infrastructure
Makarova, Irina; Boyko, Aleksey; Shubenkova, Ksenia; **Pashkevich, Anton** Transbaltica XI : Transportation Science and Technology : Proceedings of the International Conference Transbaltica, May 2-3, 2019, Vilnius, Lithuania 2020 / p. 386-396 https://doi.org/10.1007/978-3-030-38666-5_41

Entwicklung eines Expertensystemmodells zur Verbesserung des Wertschöpfungsprozesses des Unternehmens für KMU in der Fertigungsindustrie = Ettevõtte väärtuse loomise protsessi tõhustamise ekspertsüsteemi mudeli väljatöötamine töötleva tööstuse VKE-dele
Lavin, Jaak 2018 https://digi.lib.ttu.ee/i/?9943 https://www.ester.ee/record=b5054667*est

Environmental performance analysis of innovative mechanical separation for recycling of waste printed circuit boards
Hosseini, Pooya; **Klauson, Artur**; **Goljandin, Dmitri**; Hendrickx, Brent; Duflou, Joost R. Proceedings of the Estonian Academy of Sciences 2025 / p. 291-301 : ill https://doi.org/10.3176/proc.2025.2S.03

Environmental performance of alternative hospital waste management strategies using life cycle assessment (LCA) approach
Mushtaq, Muhammad Hammad; Noor, Fahad; Mujtaba, M. A.; Asghar, Salman; Yusuf, Abdulfatah Abdu; Soudagar, Manzoore Elahi M.; **Hussain, Abrar**; Badran, Mohamed Fathy; Shahapurkar, Kiran Sustainability 2022 / art. 14942 https://doi.org/10.3390/su142214942 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Erosion studies of the iron boride coatings for protection of tubing components in oil production, mineral processing and engineering applications
Medvedovski, Eugene; **Antonov, Maksim** Wear 2020 / art. 203277, 8 p. : ill https://doi.org/10.1016/j.wear.2020.203277 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Erosion studies of the iron boride coatings for protection of tubing components in oil production, mineral processing and engineering applications
Medvedovski, Eugene; **Antonov, Maksim** 44th International Conference & Expositionon Advanced Ceramics and Composites, January 26–31, 2020, Daytona Beach, Florida : Abstract book 2020 / (ICACC-S2-005-2020) ; p. 19 https://ceramics.org/wp-content/uploads/2018/09/ICACC20_Abstracts_WebFinal.pdf

Erosion wear behavior of HVAF-sprayed WC/Cr3C2-based cermet and martensitic stainless steel coatings on AlSi7Mg0.3 alloy : a comparative study
Korobov, Yuri; **Antonov, Maksim**; Astafiev, Vladimir; Brodova, Irina; Kutaev, Vladimir; Estemirova, Svetlana; Devyatyarov, Mikhail; Okulov, Artem Journal of manufacturing and materials processing 2024 / art. 231 https://doi.org/10.3390/jmmp8050231

Erosive wear failures
Antonov, Maksim Failure analysis and prevention, vol. 11 2021 / p. 755–763 https://doi.org/10.31399/asm.hb.v11.a0006795

Erosive wear resistance of nature-inspired flexible materials
Kumar, Rahul, 1993-; **Antonov, Maksim**; **Holovenko, Yaroslav**; **Surženkov, Andrei** Tribology letters 2020 / art. 51, 8 p. : ill https://doi.org/10.1007/s11249-020-01296-8 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Erratum: A feasible pathway to stabilize monoclinic and tetragonal phase coexistence in barium titanate-based ceramics (J. Mater. Chem. C (2022) 10 (17743–17756) DOI: 10.1039/D2TC04265G)
Necib, Jallouli; Lopez-Sanchez, Jesus; Rubio-Marcos, Fernando; Serrano, Aida; Navarro, Elena; Pena, Alvaro; Taoufik, Mnasri; Smari, Mourad; **Rojas Hernandez, Rocio Estefania**; Carmona, Noemi; Marín, Pilar Journal of materials chemistry C 2023 / p. 2397 https://doi.org/10.1039/d3tc90020g Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Erratum: Multifractal analysis of high-temperature plasma irradiated tungsten surfaces (Surface Topography: Metrology and Properties (2021) 9 (035030) DOI: 10.1088/2051-672x/ac1dc3)
Martsepp, Merike; Laas, Tõnu; Laas, Katrin; **Priimets, Jaanis**; **Mikli, Valdek**; **Antonov, Maksim** Surface topography : metrology and properties 2023 / art. 029501 https://doi.org/10.1088/2051-672X/acc81c Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Esimene Eesti maakond läbib digiauditi
Saarmann, Tanel; **Riives, Jüri** Eesti Päevaleht 2017 / lk. 18 https://arileht.delfi.ee/artikkel/80055698/esimene-eesti-maakond-labib-digiauditi-aga-mitte-riigi-eestvedamisel

1. juulist kehtima hakkavatest elektri võrgutasudest
Rajangu, Väino Elektriala 2017 / lk. 32 http://www.ester.ee/record=b1240496*est https://artiklid.elnet.ee/record=b2819692*est

1. novembrist kehtima hakkavatest elektri võrgutasudest
Rajangu, Väino Elektriala 2017 / lk. 28-29 http://www.ester.ee/record=b1240496*est

Estimating parameters for traffic flow using navigation data on vehicles
Burinskiene, Marija; Kapski, Denis; Kasyanik, Valery; **Pashkevich, Anton** The Baltic journal of road and bridge engineering 2020 / p. 1-21 https://doi.org/10.7250/bjrbe.2020-15.492 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Estimating the potential of a warning system preventing road accidents at pedestrian crossings
Ess, Juri; Luppin, Janek; **Antov, Dago** LogForum : Scientific journal of logistics 2021 / p. 441-452 : ill https://doi.org/10.17270/J.LOG.2021.605 https://www.logforum.net/pdf/17_3_10_21.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Estonian code of conduct for research integrity
2017 http://www.ester.ee/record=b4761004*est

EU-Financed peripheral large-scale infrastructure projects and the white elephant syndrome : the example of Rail Baltica
Veebel, Viljar; **Ploom, Illimar**; **Markus, Raul** Romanian journal of European affairs 2018 / p. 113–128 https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3296940 Journal metrics at Scopus Article at Scopus

Eu-financed peripheral large-scale infrastructure projects and the white elephant syndrome : the example of Rail Baltica
Veebel, Viljar; **Markus, Raul**; Ploom, Illimar Acta Oeconomica 2019 / p. 17 - 39 https://doi.org/10.1556/032.2019.69.1.2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

European normative power during Ukrainian-Russian conflict
Veebel, Viljar; **Markus, Raul** Baltic journal of law & politics 2018 / p. 1-20 https://doi.org/10.2478/bjlp-2018-0001 Journal metrics at Scopus Article at Scopus

European Regional Airport : Factors Influencing Efficency
Nõmmik, Allan; **Antov, Dago** Transport and telecommunication journal 2020 / p. 211 - 220 https://doi.org/10.2478/ttj-2020-0017 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Europe's refugee crisis in 2015 and security threats from the Baltic perspective
Veebel, Viljar; **Markus, Raul** Journal of politics and law 2015 / p. 254-262 : ill http://dx.doi.org/10.5539/jpl.v8n4p254

Evaluating maritime cluster economic impact : the maritime cluster impact index
Nõmmela, Kaidi; **Kõrbe Kaare, Kati** Reliability and Statistics in Transportation and Communication : selected papers from the 21st International Multidisciplinary Conference on Reliability and Statistics in Transportation and Communication, RelStat2021, 14-15 October 2021, Riga, Latvia 2022 / p. 556-565 https://doi.org/10.1007/978-3-030-96196-1_51 Conference proceedings at Scopus Article at Scopus Article at WOS

Evaluating the microstructural formation in Mo added Ti6Al4V alloy fabricated by direct energy deposition using a laser-stop strategy
Ye, Z.; Yu, Z.; Gao, P.; **Prashanth, Konda Gokuldoss**; Zhang, F.; Zhao, K.; Tan, H. Additive Manufacturing 2024 / art. 104226 https://doi.org/10.1016/j.addma.2024.104226

Evaluation of Geometrical Precision and Surface Roughness Quality for the Additively Manufactured Radio Frequency Quadrupole Prototype
Torims, Toms; Ratkus, G.; Pikurs, D.; Krogere, D.; Vretenar, M.; Cherif, A.; Gruber, S.; Lopez, E.; Pozzi, M.; **Otto, Tauno** 13th International Particle Accelerator Conference, June 12-17, 2022 : conference proceedings 2022 / p. 787-791 : ill https://doi.org/10.18429/JACoW-IPAC2022-TUOXSP3 https://accelconf.web.cern.ch/ipac2022/papers/IPAC2022-proceedings.pdf

Evaluation of geometrical precision and surface roughness quality for the additively manufactured radio frequency quadrupole prototype
Torims, Toms; Cherif, A.; Delerue, Nicholas; Foppa Pedretti, M.; Gruber, Samira; Kroģere, Dagnija; Lopez, Elena Torres; **Otto, Tauno**; Pikurs, Guntis; Pozzi, Matteo; Ratkus, A.; Thielmann, Michael; Vedani, Maurizio; Vretenar, Maurizio; Wagenblast, Philipp C. 13th International Particle Accelerator Conference (IPAC'22) 12 - 17 June 2022, Bangkok, Thailand 2023 / art. 012089 https://doi.org/10.1088/1742-6596/2420/1/012089 Conference Proceedings at Scopus Article at Scopus

Evaluation of Haar wavelet method for analysis of functionally graded and nanostructures = Haari lainikute meetodi hindamine funktsionaalgradient- ja nanostruktuuride analüüsiks
Kirs, Maarjus 2018 https://digi.lib.ttu.ee/i/?10625 https://www.ester.ee/record=b5151220*est

Evaluation of Haar wavelet method in engineering applications
Kirs, Maarjus; **Tungel, Ernst** International Conference on Numerical Analysis and Applied Mathematics (ICNAAM 2018) : Rhodes, Greece, 13–18 September 2018 2019 / art. 330003 https://doi.org/10.1063/1.5114341 Conference proceeding at Scopus Article at Scopus Article at WOS

Evaluation of immersive project-based learning experiences
Rüütmann, Tiia; **Witt, Emlyn David Qivitoq**; **Olowa, Theophilus Oluwarotimi Olatunde**; Puolitaival, Taija; Bragadin, Marco 18th CDIO : International Conference : proceedings - full papers 2022 / p. 313-323 https://en.ru.is/media/cdio2022/CDIO_2022_Proceedings.pdf

Evaluation of residual stresses in PVD coatings by means of strip substrate length variation and curvature method of plate substrate
Lille, Harri; Ryabchikov, Alexander; Kõo, Jakub; **Adoberg, Eron**; **Lind, Liina**; **Kurissoo, Liisa**; **Peetsalu, Priidu** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 212-218 https://doi.org/10.4028/www.scientific.net/SSP.267.212 Journal metrics at Scopus Article at Scopus

Evaluation of residual stresses in PVD coatings by means of the curvature method of plate
Lille, Harri; Ryabchikov, Alexander; **Adoberg, Eron**; **Kurissoo, Liisa**; **Peetsalu, Priidu**; **Lind, Liina** Engineering materials and tribology XXV 2017 / p. 404-408 https://doi.org/10.4028/www.scientific.net/KEM.721.404 Conference proceedings at Scopus Article at Scopus

Evaluation of residual stresses in PVD coatings by means of tubular substrate length variation
Lille, Harri; Ryabchikov, Alexander; Kõo, Jakub; **Adoberg, Eron**; **Mikli, Valdek**; **Kübarsepp, Jakob**; **Peetsalu, Priidu** Residual Stresses 2018 ECRS-10 : 10th European Conference on Residual Stresses(ECRS10) : Leuven, Belgium, 11-14th September, 2018 2018 / p. 131-136 : ill https://doi.org/10.21741/9781945291890-21

Evaluation of wear rate of nanocrystalline diamond films esing Abbott curve
Bogatov, Andrei; **Podgurski, Vitali** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 185-189 : ill https://doi.org/10.4028/www.scientific.net/SSP.267.185 Conference proceedings at Scopus Article at Scopus

Evaluation of virtual reality interface interaction methods for digital twin industrial robot programming and control, a pilot study
Pizzagalli, Simone Luca; **Kuts, Vladimir**; **Bondarenko, Yevhen**; **Otto, Tauno** Proceedings of the ASME 2021 International Mechanical Engineering Congress and Exposition 2021 / paper no: IMECE2021-69408, 9 p https://doi.org/10.1115/IMECE2021-69408

Evolution of Dirac cone in disclinated graphene
Rozhkov, M. A.; Kolesnikova, A. L.; **Hussainova, Irina** Reviews on advanced materials science 2018 / p. 137-142 : ill https://doi.org/10.1515/rams-2018-0057 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evolution of microstructure and hardness in aluminum processed by high pressure torsion extrusion
Omranpour Shahreza, Babak; Ivanisenko, Yulia; Kulagin, Roman; **Kommel, Lembit**; Sanchez, E. Garcia; Nugmanov, Dayan; Scherer, Torsten; Heczel, Anita; Gubicza, Jeno Materials Science and Engineering : A 2019 / art. 138074, 10 p. : ill https://doi.org/10.1016/j.msea.2019.138074 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evolution of microstructure and mechanical properties of LM25–HEA composite processed through stir casting with a bottom pouring system
Chinababu, Mekala; Krishna, Nandivelegu Naga; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss**; Bhaskara, Eluri Materials 2022 / art. 230 https://doi.org/10.3390/ma15010230 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evolution of site-specific solidification microstructure and texture during additive manufacturing of stainless steel 316L by laser powder bed fusion
Kumar, Deepak; Aditya, Yarlapati Naga; **Prashanth, Konda Gokuldoss**; Suwas, Satyam Materials Characterization 2025 / art. 114971 https://doi.org/10.1016/j.matchar.2025.114971

Excel-based tool for automatic calibration of urban drainage system models
Vassiljev, Anatoli; **Annus, Ivar**; **Kändler, Nils**; **Truu, Murel**; **Kaur, Katrin**; **Suits, Kristjan** Environmental Sciences Proceedings 2022 / art. 30 https://doi.org/10.3390/environsciproc2022021030

Experimental analysis of end mill axis inclination and its influence on 3D areal surface texture parameters
Logins, Andris; Rosado Castellano, Pedro; Torims, Toms; Gutierrez, Santiago C.; **Sergejev, Fjodor** Proceedings of the Estonian Academy of Sciences 2017 / p. 194-201 : ill https://doi.org/10.3176/proc.2017.2.09 http://www.ester.ee/record=b2355998*est https://artiklid.elnet.ee/record=b2820942*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental analysis of engine performance and exhaust pollutant on a single-cylinder diesel engine operated using moringa oleifera biodiesel
Soudagar, Manzoore Elahi M.; Khan, Haris Mahmood; Khan, M. Yunus; Razzaq, Luqman; Asif, Tahir; Mujtaba, M. A.; **Hussain, Abrar** Applied sciences 2021 / p. 7071−7089 https://doi.org/10.3390/app11157071 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental analysis of whistle noise in a particle agglomeration pipe [Online resource]
Zhang, Zhe; **Tiikoja, Heiki**; Abom, Mats; Boden, Hans ASME 2018 Noise Control and Acoustics Division Session presented at INTERNOISE 2018 : August 26-29, 2018, Chicago, IL, USA : [Online proceedings] 2018 / Paper no. NCAD2018-6116, pp. V001T06A002, 8 p. : ill https://doi.org/10.1115/NCAD2018-6116

Experimental and numerical analysis of HPTE on mechanical properties of materials and strain distribution
Omranpour Shahreza, Babak; Kulagin, Roman; Ivanisenko, Yulia; Sanchez, E. Garcia 7th International Conference on Nanomaterials by Severe Plastic Deformation 2–7 July 2017, Sydney, Australia 2017 / art. 012047, 6 p.: ill https://doi.org/10.1088/1757-899X/194/1/012047 Conference proceedings at Scopus Article at Scopus Article at WOS

Experimental concept study of a small engine silencer unit based on microperforated elements
Villau, Margus; **Rämmal, Hans**; **Lavrentjev, Jüri** Proceedings of the Estonian Academy of Sciences 2024 / p. 159-167 : ill., fot https://doi.org/10.3176/proc.2024.2.09 https://www.ester.ee/record=b2355998*est

Experimental damage mechanics of cotton wastes
Hussain, Abrar; **Podgurski, Vitali**; **Antonov, Maksim**; **Gonjandin, Dmitri**; **Viljus, Mart** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 19 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Experimental evaluation and numerical modelling of the quality of photovoltaic modules
Tšukrejev, Pavel; **Karjust, Kristo**; **Majak, Jüri** Proceedings of the Estonian Academy of Sciences 2021 / p. 477-483 : ill https://doi.org/10.3176/proc.2021.4.15 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental evaluation and numerical modelling residual stresses in glass panel
Majak, Jüri; **Anton, Johan**; **Õunapuu, Erko**; **Auriemma, Fabio**; **Pohlak, Meelis**; **Eerme, Martin**; **Klauson, Aleksander** 2018 International Conference on Materials Science and Manufacturing Engineering (MSME 2018) MATEC web of conferences 2019 / art. 02003, 7 p. : ill https://doi.org/10.1051/matecconf/201925302003

Experimental mechanics analysis of recycled polypropylene-cotton composites for commercial applications
Hussain, Abrar; **Goljandin, Dmitri**; **Podgurski, Vitali**; Abbas, Muhammad Mujtaba; **Krasnou, Illia** Advanced industrial and engineering polymer research 2023 / p. 226-238 : ill https://doi.org/10.1016/j.aiepr.2022.11.001 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental modal analysis of maritime composite panel
Gavrijaševa, Alina; **Märtens, Olev**; **Land, Raul**; **Saar, Tõnis**; **Herranen, Henrik**; **Majak, Jüri**; Reidla, Marko; **Kuusik, Alar** BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 143-146 : ill http://www.ester.ee/record=b2150914*est

Experimental study of noise barrier boards with increased acoustic performance by utilizing Helmholtz resonator effects
Lavrentjev, Jüri; **Rämmal, Hans** Materials today: proceedings 2020 / p. 2566-2571 https://doi.org/10.1016/j.matpr.2020.05.402 Conference proceedings at Scopus Article at Scopus Article at WOS

Experimental study of steered fibre composite production
Haavajõe, Anti; **Mikola, Madis**; **Osali, Hadi**; **Pohlak, Meelis**; **Herranen, Henrik** Proceedings of the Estonian Academy of Sciences 2017 / p. 295-299 : ill https://doi.org/10.3176/proc.2017.3.09 http://www.ester.ee/record=b2355998*est https://artiklid.elnet.ee/record=b2824306*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental synergetics
Reedik, Vello Socio-technical synergetics 2024 / p. 16-21 : ill https://www.ester.ee/record=b5651350*est

Experimental validation and field trials of 5G cross-border connectivity
Elgarhy, Osama Mohamed Mostafa; **Kulmar, Marika**; **Roosipuu, Priit**; **Rohtla, Margus**; **Le Moullec, Yannick**; **Kõrbe Kaare, Kati**; Sadam, Arvi; Scholliers, Johan; **Alam, Muhammad Mahtab** 2024 IEEE Future Networks World Forum (FNWF) 2024 / p. 57-62 https://doi.org/10.1109/FNWF63303.2024.11028794

Exploiting factory telemetry to support virtual reality simulation in robotics cell
Kuts, Vladimir; Modoni, Gianfranco E.; Terkaj, Walter; **Tähemaa, Toivo**; Sacco, Marco; **Otto, Tauno** Augmented Reality, Virtual Reality, and Computer Graphics : 4th International Conference, AVR 2017, Ugento, Italy, June 12–15, 2017 : proceedings. Part I 2017 / p. 212-221 : ill https://doi.org/10.1007/978-3-319-60922-5_16 Conference proceedings at Scopus Article at Scopus Article at WOS

Extended Reality for I5.0 : towards human centricity in human-robot interaction = Laiendatud reaalsus Tööstus 5.0 jaoks : inimesekeskse lähenemiseni inimese-roboti suhtluses
Pizzagalli, Simone Luca 2024 https://www.ester.ee/record=b5694235*est https://digikogu.taltech.ee/et/Item/c2c7e80f-6a3c-49fc-8311-6b8f13e75270 https://doi.org/10.23658/taltech.42/2024

Extended reality interface for human robot interaction
Pizzagalli, Simone Luca 22nd International Symposium “Topical Problems in the Field of Electrical and Power Engineering”. Doctoral School of Energy and Geotechnology III : Pärnu, Estonia, August 23-26, 2023 2023 / p. 27-28 : ill https://www.ester.ee/record=b5570906*est

Fabrication of Cu-Mo composites combining SHS and SLS technologies : poster presentation
Aydinyan, Sofiya; **Minasyan, Tatevik**; Kirakosyan, Hasmik; **Aghayan, Marina**; **Hussainova, Irina**; Kharatyan, Suren ECerS 2017 : 15th Conference & Exhibition of the European Ceramic Society, July 9–13, 2017, Budapest, Hungary : Book of abstracts 2017 / p. 48 https://static.akcongress.com/downloads/ecers/ecers2017-abstract-book.pdf

Fabrication of Cu-W nanocomposites by integration of self-propagating high-temperature synthesis and hot explosive consolidation technologies
Aydinyan, Sofiya; Kirakosyan, Hasmik; Zakaryan, Marieta Eurasian chemico-technological journal 2018 / p. 301-309 : ill https://doi.org/10.18321/ectj763

Fabrication of localized diamond-filled copper structures via selective laser melting and spark plasma sintering
Rahmani Ahranjani, Ramin; **Karimi, Javad**; **Kamboj, Nikhil**; **Kumar, Rahul, 1993-**; Brojan, Miha; Tchórz, Adam; Skrabalak, Grzegorz; Lopes, Sergio Ivan Diamond and related materials 2023 / art. 109916 https://doi.org/10.1016/j.diamond.2023.109916 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Face centered cubic titanium in high pressure torsion processed carbon nanotubes reinforced titanium composites
Li, F. X.; Chen, P.; Chen, Z.; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2019 / p. 939-945 : ill https://doi.org/10.1016/j.jallcom.2019.07.277 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Failure analysis of a spray polyurethane foam roofing system
Kalamees, Targo; **Põldaru, Mattias**; **Ilomets, Simo**; **Klõšeiko, Paul**; **Kallavus, Urve**; **Rosenberg, Margit**; **Õiger, Karl** Journal of building engineering 2020 / art. 101752, 9 p. : ill https://doi.org/10.1016/j.jobe.2020.101752 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A feasible pathway to stabilize monoclinic and tetragonal phase coexistence in barium titanate-based ceramics
Necib, Jallouli; Lopez-Sanchez, Jesus; Rubio-Marcos, Fernando; Serrano, Aida; Navarro, Elena; Pena, Alvaro; Taoufik, Mnasri; Smari, Mourad; **Rojas Hernandez, Rocio Estefania**; Carmona, Noemi; Marín, Pilar Journal of materials chemistry C 2022 / p. 17743-17756 https://doi.org/10.1039/D2TC04265G Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Feedstock preparation, microstructures and mechanical properties for laser-based additive manufacturing of steel matrix composites
Chen, Hongyu; Kosiba, Konrad; Suryanarayana, Challapalli; Lu, Tiwen; Liu, Yang; Wang, Yonggang; **Prashanth, Konda Gokuldoss** International materials reviews 2023 / p. 1192-1244 https://doi.org/10.1080/09506608.2023.2258664 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fe-Ni binder modified NbC cermets: A cost-effective solution with superior mechanical properties
Basit, Muhammad Abdul; **Anwar, Furqan**; Ali, Sadaqat; Umer, Malik Adeel; Shahbaz, Tauheed; Ud Din, Emad; Mubashar, Aamir Ceramics international 2024 / p. 47768-47779 : ill https://doi.org/10.1016/j.ceramint.2024.09.121 Journal metrics at Scopus Article at

Scopus Journal metrics at WOS Article at WOS

Ferritic chromium steel as binder metal for WC cemented carbides
Tarraste, Marek; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Mere, Arvo**; **Kolnes, Märt**; **Viljus, Mart**; **Maaten, Birgit** International journal of refractory metals and hard materials 2018 / p. 183-191 : ill https://doi.org/10.1016/j.ijrmhm.2018.02.010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fiber laser welded cobalt super alloy L605 : optimization of weldability characteristics
Prasad, B. Hari; Madhusudhan Reddy, G.; Das, Alok Kumar; **Prashanth, Konda Gokuldoss** Materials 2022 / art. 7708 https://doi.org/10.3390/ma15217708 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fibrous alumina-based Ni-CeO2 catalyst : synthesis, structure and properties in propane pre-reforming
Potemkin, D. I.; **Aghayan, Marina**; **Kamboj, Nikhil Kumar**; **Hussainova, Irina** Materials letters 2018 / p. 35-37 : ill https://doi.org/10.1016/j.matlet.2017.12.039 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fibrous alumina-based Ni-MOx (M = Mg, Cr, Ce) catalysts for propane pre-reforming
Uskov, S. I.; Potemkin, D. I.; **Kamboj, Nikhil Kumar**; Snytnikov, P.V.; **Hussainova, Irina** Materials letters 2019 / art. 126741, 4 p. : ill https://doi.org/10.1016/j.matlet.2019.126741 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fiducial marker-based monocular localization for autonomous docking
Pivonka, Tomas; **Sell, Raivo**; **Pikner, Heiko**; **Preucil, Libor** IFAC-PapersOnLine 2023 / p. 2957-2962 https://doi.org/10.1016/j.ifacol.2023.10.1419 Conference proceedings at Scopus Article at Scopus Article at WOS

Findings from cluster analysis of logistics undergraduate curricula in Europe
Niine, Tarvo; **Koppel, Ott** Proceedings of 2015 IEEE Global Engineering Education Conference (EDUCON) : 18-20 March 2015, Tallinn University of Technology (TUT), Tallinn, Estonia 2015 / p. 231-238 : ill http://dx.doi.org/10.1109/EDUCON.2015.7095976

A finite element method for determining the mechanical properties of electrospun nanofibrous mats
Sanchaniya, Jaymin Vrajlal; Lasenko, Inga; Gobins, Valters; Kobeissi, Alaa; **Goljandin, Dmitri** Polymers 2024 / art. 852 https://doi.org/10.3390/polym16060852 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

5G as an enabler of connected-and-automated mobility in European cross-border corridors — a market assessment
Rizopoulos, Dimitrios; Laskari, Marina; Kouloumbis, Gerasimos; Fergadiotou, Ioanna; Durkin, Patrick; **Kõrbe Kaare, Kati**; **Alam, Muhammad Mahtab** Sustainability 2022 / art. 14411 https://doi.org/10.3390/su142114411 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fjodor Sergejev: insenerid on tuleviku loojad
Sergejev, Fjodor 2025

Fjodor Sergejev: majandus ei kasva, kui meil pole nutikaid insenere
Sergejev, Fjodor err.ee 2025 https://www.err.ee/1609714272/fjodor-sergejev-majandus-ei-kasva-kui-meil-pole-nutikaid-insenere

Florida iduettevõtja ja tippteadlane arendab Eestis isejuhtivaid sõidukeid
toostusuudised.ee 2025 Florida iduettevõtja ja tippteadlane arendab Eestis isejuhtivaid sõidukeid

Florida teadlase meelitas Eestisse isejuhtivate sõidukite tipptase ja e-residentsuse programm
postimees.ee 2025 Florida teadlase meelitas Eestisse isejuhtivate sõidukite tipptase ja e-residentsuse programm

Fookus paika : müüa tuleb usaldust
Jekimov, Dmitri; **Põdra, Priit**; Koha, Andres; Mets, Oliver TööstusEST 2017 / lk. 36-40 : portr http://www.ester.ee/record=b4481084*est https://artiklid.elnet.ee/record=b2829170*est

Forcing Russia to respect Minsk protocols with dollar auction-game model
Veebel, Viljar; **Markus, Raul** Journal of International Studies 2018 / p. 9-20 https://doi.org/10.14254/2071-8330.2018/11-3/1 Journal metrics at Scopus Article at Scopus

Forestry crane immersive user interface for control and teleoperation
Pizzagalli, Simone Luca; **Bondarenko, Yevhen**; **Baykara, Baris Cem**; **Niidas, Alar**; **Kuts, Vladimir**; Kerm, Margus; **Otto, Tauno** Proceedings of ASME 2022 International Mechanical Engineering Congress and Exposition (IMECE2022), 2B: Columbus, Ohio, USA, October 30 - November 3, 2022 2022 / art. IMECE2022-94975 https://doi.org/10.1115/IMECE2022-94975

Foreword
Karjust, Kristo Proceedings of the Estonian Academy of Sciences 2021 / p. 373 https://doi.org/10.3176/proc.2021.4.01

Foreword

Otto, Tauno Proceedings of the Estonian Academy of Sciences 2019 / p. 347
http://www.kirj.ee/public/proceedings_pdf/2019/issue_4/proc-2019-4-347.pdf

Foreword
Karjust, Kristo Proceedings of the Estonian Academy of Sciences 2024 / lk. 99 https://doi.org/10.3176/proc.2024.2.03
https://www.ester.ee/record=b2355998*est

Foreword : [selected papers presented at the conference Modern Materials and Manufacturing 2025 (MMM2025), 6-8 May 2025 in Tallinn]
Karjust, Kristo Proceedings of the Estonian Academy of Sciences 2025 / p. 91 https://doi.org/10.3176/proc.2025.2.10

Formal and informal macro-regional transport clusters as a primary step in the design and implementation of cluster-based strategies
Nežerenko, Olga; **Koppel, Ott** Transport and telecommunication 2015 / p. 207-216 : ill https://doi.org/10.1515/ttj-2015-0019 Journal metrics at Scopus Article at Scopus

Formal and informal macro-regional transport clusters as primary tools for ensuring stable competitiveness of the Baltic Sea region
Nežerenko, Olga; **Koppel, Ott** Research and technology - step into the future 2015 / p. 12-14

Formation of fine Mg2Si phase in Mg–Si alloy via solid-state sintering using high energy ball milling
Seth, Prem Prakash; **Singh, Neera**; Singh, Manoj; Prakash, Om; Kumar, Devendra Journal of alloys and compounds 2020 / art. 153205, 10 p. : ill https://doi.org/10.1016/j.jallcom.2019.153205 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Formation of property gradient in coarse-grained niobium using a wedge tool : experiment and analysis
Tarasov, Oleksandr; **Kübarsepp, Jakob**; **Viljus, Mart**; **Saarna, Mart**; **Sergejev, Fjodor** International journal of refractory metals and hard materials 2024 / art. 106905 https://doi.org/10.1016/j.ijrmhm.2024.106905

Framework for continuous improvement of production processes
Sahno, Jevgeni; **Ševtšenko, Eduard**; **Karaulova, Tatjana**; Tahera, Khadija Inzinerine ekonomika = Engineering economics 2015 / p. 169-180 : ill https://doi.org/10.5755/j01.ee.26.2.6969 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Framework for continuous improvement of production processes and product throughput
Sahno, Jevgeni; **Ševtšenko, Eduard**; **Zahharov, Roman** Procedia engineering 2015 / p. 511-519 : ill https://doi.org/10.1016/j.proeng.2015.01.398 Conference proceedings at Scopus Article at Scopus Article at WOS

A framework for developing educational industry 4.0 activities and study materials
Christiansen, Lasse; Edvardsen Hvidsten, Tommy; Hemdrup Kristensen, Jesper; Gebhardt, Jonas; **Mahmood, Kashif**; **Otto, Tauno**; Heidemann Lassen, Astrid; Ditlev Brunoe, Thomas; Schou, Casper; Skov Laursen, Esben Education Sciences 2022 / art. 659 https://doi.org/10.3390/educsci12100659 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A framework for the design and use of virtual labs in digital engineering education
Terkaj, Walter; Pessot, Elena; **Kuts, Vladimir**; **Bondarenko, Yevhen**; **Pizzagalli, Simone Luca**; Kleine, Kari Modern Materials and Manufacturing 2023 : Tallinn, Estonia, 2–4 May 2023 2024 / art. 030003 https://doi.org/10.1063/5.0189669 Conference Proceedings at Scopus Article at Scopus

Free vibration analysis of a functionally graded material beam : evaluation of the Haar wavelet method
Kirs, Maarjus; **Karjust, Kristo**; Aziz, Imran; **Õunapuu, Erko**; **Tungel, Ernst** Proceedings of the Estonian Academy of Sciences 2018 / p. 1-9 : ill https://doi.org/10.3176/proc.2017.4.01 http://www.ester.ee/record=b2355998*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Free vibration analysis of tapered Timoshenko beam with higher order Haar wavelet method
Mehrparvar, Marmar; **Majak, Jüri**; **Karjust, Kristo**; **Arda, Mustafa** Proceedings of the Estonian Academy of Sciences 2022 / p. 77-83 : ill https://doi.org/10.3176/proc.2022.1.07 Conference Proceedings at Scopus Article at Scopus Conference Proceedings at WOS Article at WOS

Free vibration analysis of Timoshenko beam by higher-order Haar wavelet method
Mehrparvar, Marmar; **Majak, Jüri**; **Karjust, Kristo** AIP conference proceedings 2023 / art. 250007 https://doi.org/10.1063/5.0162269 Conference proceedings at Scopus Article at Scopus

Frequency conversion in lanthanide-doped sol-gel derived materials for energy applications
Almeida, Rui M.; Sousa, N.; **Rojas Hernandez, Rocio Estefania**; Santos, Luis F. Journal of Sol-Gel science and technology 2020 / p. 520-529 : ill https://doi.org/10.1007/s10971-020-05289-w Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Friction studies of metal surfaces with various 3D printed patterns tested in dry sliding conditions
Holovenko, Yaroslav; **Antonov, Maksim**; **Kollo, Lauri**; **Hussainova, Irina** Proceedings of the Institution of Mechanical Engineers. Part J, Journal of engineering tribology 2018 / p. 43-53 https://doi.org/10.1177/1350650117738920 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Friction welding of electron beam melted Ti-6Al-4V
Qin, P.T.; Damodaram, R.; Maity, Tapabrata; Zhang, W.W.; Yang, C.; Wang, Zhi; **Prashanth, Konda Gokuldoss** Materials Science and Engineering : A 2019 / art. 138045, 6 p. : ill https://doi.org/10.1016/j.msea.2019.138045 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Frictional wear and corrosion behavior of AlCoCrFeNi high-entropy alloy coatings synthesized by atmospheric plasma spraying
Mu, Yongkun; Zhang, Liangbo; Xu, Long; **Prashanth, Konda Gokuldoss**; Zhang, Nizhen; Ma, Xindi; Jia, Yuefei; Xu, Yulai; Jia, Yandong; Wang, Gang Entropy 2020 / art. 740 https://doi.org/10.3390/e22070740 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Function approximation using Haar wavelets
Majak, Jüri; **Eerme, Martin**; **Haavajõe, Anti** AIP conference proceedings 2020 / art. 230004 https://doi.org/10.1063/5.0026543 Conference proceeding at Scopus Article at Scopus Article at WOS

Functionality and activity of Sol–Gel-Prepared Co and Fe co-Doped Lead-Free BTO for thermo-optical applications
Tihtih, Mohammed; Ibrahim, Jamal Eldin F. M.; Basyooni, Mohamed A.; En-nadir, Redouane; **Hussainova, Irina**; Kocserha, Istvan ACS omega 2023 / p. 5003–5016 : ill https://doi.org/10.1021/acsomega.2c07660 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Functionally graded tunable microwave absorber with graphene-augmented alumina nanofibers
Shamshirgar, Ali Saffar; **Rojas Hernandez, Rocio Estefania**; Tewari, Girish C.; Fernandez, Jose Francisco; **Ivanov, Roman**; Karppinen, Maarit; **Hussainova, Irina** ACS applied materials & interfaces 2021 / p. 21613-21625
https://doi.org/10.1021/acsami.1c02899 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Functionally gradient Ti6Al4V-TiB composite produced by spark plasma sintering
Liu, Le; **Ivanov, Roman**; **Kumar, Rahul, 1993-**; **Minasyan, Tatevik**; **Antonov, Maksim**; **Hussainova, Irina** IOP conference series : materials science and engineering 2021 / art. 012004, 6 p.: ill https://doi.org/10.1088/1757-899X/1140/1/012004

Fuzzy AHP as a tool for prioritization of key performance indicators
Kaganski, Sergei; **Majak, Jüri**; **Karjust, Kristo** Procedia CIRP 2018 / p. 1227-1232 : ill https://doi.org/10.1016/j.procir.2018.03.097 Conference Proceedings at Scopus Article at Scopus Article at WOS

Fuzzy analytical hierarchy process based environmental, social and governance risks assessment for the future phosphorite mining in Estonia
Paat, Andrus; **Majak, Jüri**; **Karu, Veiko**; **Hitch, Michael William** Extractive Industries and Society 2024 / art. 101438
https://doi.org/10.1016/j.exis.2024.101438 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Futureproofing Engineering Education for Global Responsibility : Proceedings of the 27th International Conference on Interactive Collaborative Learning (ICL 2024) ; vol. 4
2025 https://doi.org/10.1007/978-3-031-83520-9

The galvanostatic co-deposition of 3D-grown Ni-rGO nanocomposite : redox enhancement through reduction, texture, and morphology : oral presentation
Alinejadian, Navid; Nasirpouri, Farzad Graphene Summit 2021 : Global Virtual Summit on Carbon, Graphene, 0D, 1D, and 2D materials, July 22-23, 2021, Beaverton, Oregon, United States of America : online 2021 / p. 2
https://re.public.polimi.it/retrieve/handle/11311/1180988/644510/Global%20virtual%20summit%20on%20Carbon%2C%20graphene%20...%20-%2022-23.07.2021%20-%20Program.pdf

Generation and development of damage in double forged tungsten in different combined regimes of irradiation with extreme heat loads
Paju, Jana; Väli, Berit; Laas, Tõnu; **Shirokova, Veroonika**; **Antonov, Maksim** Journal of nuclear materials 2017 / p. 91-102 : ill
https://doi.org/10.1016/j.jnucmat.2017.07.042 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Genetic algorithm vs finite differences in an optimization procedure including FEM with fixed mesh
Auriemma, Fabio International Conference on Numerical Analysis and Applied Mathematics (ICNAAM 2018) : Rhodes, Greece, 13–18 September 2018 2019 / art. 2116, 330006, 4 p https://doi.org/10.1063/1.5114344 Conference proceedings at Scopus Article at Scopus Article at WOS

Goethet lugedes : teadmiste juurdekasv tähendab rahutuse juurdekasvu
Leppik, Peep Sirp 2020 / lk. 9 https://www.sirp.ee/s1-artiklid/c7-kirjandus/goethet-lugedes-teadmiste-juurdekasv-tahendab-rahutuse-

juurdekasvu/

Going open source in developing production monitoring system
Snatkin, Aleksei; **Eiskop, Tanel** Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 171-173 : ill

Gradient microstructure in tantalum formed under the wear track during dry sliding friction
Kommel, Lembit; **Põdra, Priit**; **Mikli, Valdek**; **Omranpour Shahreza, Babak** Wear 2021 / art. 203573, 7 p. : ill https://doi.org/10.1016/j.wear.2020.203573 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Grain refinement in laser manufactured Al-based composites with TiB2 ceramic
Xi, Lixia; Guo, Shuang; Wang, Ruiqi; Ding, Kai; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2020 / p. 2611−2622 https://doi.org/10.1016/j.jmrt.2020.04.059 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Graphene augmented nanofibers and their versatile applications
Hussainova, Irina; **Ivanov, Roman** Reviews on advanced materials and technologies 2020 / p. 9−25 https://reviewsamt.com/issues/4

Graphene-augmented nanofiber scaffolds trigger gene expression switching of four cancer cell types
Kazantseva, Jekaterina; **Ivanov, Roman**; Gasik, Michael; Neuman, Toomas; **Hussainova, Irina** ACS biomaterials science & engineering 2018 / p. 1622-1629 : ill https://doi.org/10.1021/acsbiomaterials.8b00228 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Graphene-ceramic hybrid nanofibers for ultrasensitive electrochemical determination of ascorbic acid
Taleb, Masoud; **Ivanov, Roman**; **Bereznev, Sergei**; Kazemi, Sayed Habib; **Hussainova, Irina** Microchimica acta 2017 / p. 897-905 : ill https://doi.org/10.1007/s00604-017-2085-7 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Green eco-friendly acoustic materials
Lavrentjev, Jüri IOP conference series : materials science and engineering 2021 / art. 012009, 6 p.: ill https://doi.org/10.1088/1757-899X/1140/1/012009

Haar wavelet method for vibration analysis of nanobeams
Kirs, Maarjus; **Mikola, Madis**; **Haavajõe, Anti**; **Õunapuu, Erko**; Shvartsman, Boris; **Majak, Jüri** Waves, wavelets and fractals : advanced analysis 2016 / p. 20-28 : ill https://doi.org/10.1515/wwfaa-2016-0003

Hardness, corrosion behavior, and microstructural characteristics of a selective laser melted 17-4 PH steel : technical note
Chaitanya, P.; Goud, R.; Raghavan, R.; Ramakrishna, M.; **Prashanth, Konda Gokuldoss**; **Gollapudi, S.** CORROSION : The Journal of Science and Engineering 2022 / p. 465-472 https://doi.org/10.5006/3962 Journal metrics at Scopus Article at scopus Journal metrics at WOS Article at WOS

Hea haridus- ja teaduspoliitika on majanduse alus
Kübarsepp, Jakob Postimees 2024 / lk. 8 https://dea.digar.ee/article/postimees/2024/10/05/10.2

Hea teadustava
2017 http://www.ester.ee/record=b4761000*est https://www.eetika.ee/sites/default/files/www_ut/hea_teadustava_trukis.pdf

Heade mõtete tööstus : Tartus kraaditi tööstuse tulevikku
Otto, Tauno Mente et Manu 2024 / lk. 56-57 : fot https://www.ester.ee/record=b1242496*est

Heat conductive plates from recycled niobium slag
Kulu, Priit; **Goljandin, Dmitri**; **Viljus, Mart**; **Traksmaa, Rainer**; **Gregor, Andre** Solid State Phenomena ; 320 2021 / p. 169-175 https://doi.org/10.4028/www.scientific.net/SSP.320.169 Conference proceedings at Scopus Article at Scopus

Heat treatment and laser shock peening of AlSi10Mg alloy produced by selective laser melting : microstructure, hardness and residual stress analysis
Babalou, Reza; Azarbarmas, Morteza; **Prashanth, Konda Gokuldoss** Materials today communications 2025 / art. 112408 https://doi.org/10.1016/j.mtcomm.2025.112408

Hierarchical microstructures and strengthening mechanisms of nano-TiC reinforced CoCrFeMnNi high-entropy alloy composites prepared by laser powder bed fusion
Chen, Hongyu; Kosiba, Konrad; Lu, Twen; Yao, Ning; Liu, Yang; Wang, Yonggang; **Prashanth, Konda Gokuldoss**; Suryanarayana, Challapalli Journal of Materials Science & Technology 2023 / p. 245-259 : ill https://doi.org/10.1016/j.jmst.2022.06.053 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hierarchically structured functional ceramic composites with graphene augmented nanofibers = Hierarhiliselt

struktureeritud funktsionaalsed keraamilised komposiidid grafeenlisandiga nanokiududega
Saffarshamshirgar, Ali 2021 https://www.ester.ee/record=b5453046*est https://digikogu.taltech.ee/et/Item/13881820-10e9-4116-bf2c-440a4c2f7b9b https://doi.org/10.23658/taltech.42/2021

High energy milling of WC-FeCr cemented carbide
Tarraste, Marek; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Kolnes, Märt**; **Viljus, Mart** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 136-141 : ill https://www.scientific.net/KEM.799.136 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.136 Conference proceeding at Scopus Article at Scopus

High pressure high temperature consolidation of ZrC based ceramic composites
Minasyan, Tatevik; **Aydinyan, Sofiya**; **Liu, Lei**; Cygan, Slawomir; **Hussainova, Irina** [2018 World Congress on Powder Metallurgy (WORLDPM2018), Beiijing, China, 16-18 September 2018 2018 / p. [515–518] : [USB]

High pressure torsion induced lowering of Young's modulus in high strength TNZT alloy for bio-implant applications
Maity, Tapabrata; Balci, Özge; Gammer, C.; Ivanov, E.; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Journal of the mechanical behavior of biomedical materials 2020 / art. 103839, 10 p. : ill https://doi.org/10.1016/j.jmbbm.2020.103839 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High strength ductile aluminium matrix composite = Kõrgtugev ja plastne alumiiniumkomposiitmaterjal
Kallip, Kaspar 2017 https://digi.lib.ttu.ee/i/?9114 https://www.ester.ee/record=b4746456*est

High strength Ti-6Al-4V alloy fabricated by high-energy cube milling using calcium as process control agent (PCA) and spark plasma sintering
Babu, N. Kishore; **Kallip, Kaspar**; Leparoux, Marc; AlOgab, Khaled A.; Talari, Mahesh Kumar; Alqathani, N. M. The international journal of advanced manufacturing technology 2017 / p. 445-453 : ill https://doi.org/10.1007/s00170-017-9994-9

High temperature dry sliding wear behaviour of selective laser melted Ti-6Al-4V alloy surfaces
Praveenkumar, Kesavan; Vishnu, Jithin; Samuel, Calvin; Gopal, Vasanth; Arivarasu, Moganraj; Lackner, Jürgen M.; Meier, Benjamin; Karthik, D.; **Prashanth, Konda Gokuldoss**; **Yadav, Mayank Kumar** Journal of materials processing technology 2024 / art. 118439, 12 p. : ill https://doi.org/10.1016/j.jmatprotec.2024.118439 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High temperature erosion-corrosion of wear protection materials
Varga, Markus; Rojacz, Harald; Widder, Lukas; **Antonov, Maksim** Journal of Bio- and Tribo-Corrosion 2021 / art. 87 https://doi.org/10.1007/s40735-021-00504-9 Journal metrics at Scopus Article at Scopus

High temperature sliding wear of NiAl-based coatings reinforced by borides
Umanskyi, Oleksandr; Poliarus, Olena; Ukrainets Maksym; **Antonov, Maksim**; **Hussainova, Irina** Medziagotyra 2016 / p. 49 - 53 https://doi.org/10.5755/j01.ms.22.1.8093 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High temperature tribological performance of adaptive hard nanocomposite coatings deposited on a WC-Co substrate
Alamgir, Asad; **Bogatov, Andrei**; **Yashin, Maxim**; **Viljus, Mart**; **Sondor, J.**; **Podgurski, Vitali** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 12 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

High temperature tribological properties of Al2O3/NCD films investigated under ambient air conditions
Podgurski, Vitali; **Yashin, Maxim**; Jõgiaas, Taivo; **Viljus, Mart**; **Alamgir, Asad**; **Danilson, Mati**; **Bogatov, Andrei** Coatings 2020 / art. 175, 13 p. : ill https://doi.org/10.3390/coatings10020175 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High virucidal potential of novel ceramic-metal composites fabricated via hybrid selective laser melting and spark plasma sintering routes
Rahmani Ahranjani, Ramin; Molan, Katja; Brojan, Miha; **Prashanth, Konda Gokuldoss**; Stopar, David The international journal of advanced manufacturing technology 2022 / p. 975-988 : ill https://doi.org/10.1007/s00170-022-08878-x Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High-entropy eutectic composites with high strength and low Young's modulus
Maity, Tapabrata; **Prashanth, Konda Gokuldoss**; Balcı, Özge; Cieslak, Grzegorz; Spychalski, Maciej; Kulik, Tadeusz; Eckert, Jürgen Material design & processing communications 2021 / art. e211 https://doi.org/10.1002/mdp2.211 Journal metrics at Scopus Article at Scopus

Higher order Haar wavelet method for vibration analysis of functionally graded beam
Mikola, Madis; **Majak, Jüri**; **Pohlak, Meelis**; Shvartsman, Boris AIP Conference Proceedings 2022 / art. 380003 https://doi.org/10.1063/5.0081476 Conference Proceedings at Scopus Article at Scopus

Higher-order Haar wavelet method for vibration analysis of nanobeams
Majak, Jüri; Shvartsman, Boris; **Ratas, Mart**; Bassir, David; **Pohlak, Meelis**; **Karjust, Kristo**; **Eerme, Martin** Materials today communications 2020 / art. 101290, 6 p. : tab https://doi.org/10.1016/j.mtcomm.2020.101290 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Highly active wood-derived nitrogen-doped carbon catalyst for the oxygen reduction reaction
Kaare, Kätlin; Yu, Eric; Volperts, Aleksandrs; Dobele, Galina; Zhurinsh, Aivars; Dyck, Alexaner; Niaura, Gediminas; Tamasauskaite-Tamasiunaite, Loreta; Norkus, Eugenijus; Andrulevičius, Mindaugas; **Danilson, Mati**; Kruusenberg, Ivar ACS omega 2020 / p. 23578-23587 : ill https://doi.org/10.1021/acsomega.0c01974 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Highly textured zinc aluminate: Nd, Ce films over sapphire for NIR emitting applications
Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Serrano, Aida; Roman-Sanchez, Sara; Fernandez, Jose Francisco; **Hussainova, Irina** Ceramics international 2023 / p. 13125 - 13130 https://doi.org/10.1016/j.ceramint.2022.12.190 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High-strength aluminum alloy of ultrafine grained by consolidation-ECAP
Pramono, Agus; **Kollo, Lauri**; **Kommel, Lembit**; **Veinthal, Renno** IOP conference series : materials science and engineering 2019 / art. 012035, 7 p. : ill https://doi.org/10.1088/1757-899X/478/1/012035 Conference proceedings at Scopus Article at Scopus Article at WOS

High-temperature oxidation resistance and tribological properties of Al2O3/ta-C coating
Alamgir, Asad; **Bogatov, Andrei**; Jõgiaas, Taivo; **Viljus, Mart**; **Raadik, Taavi**; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; Lümkemann, Andreas; Kluson, Jan; **Podgurski, Vitali** Coatings 2022 / art. 547 https://doi.org/10.3390/coatings12040547 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High-temperature tribological performance of Al2O3/a-C:H:Si coating in ambient air
Podgurski, Vitali; **Alamgir, Asad**; **Yashin, Maxim**; Jõgiaas, Taivo; **Viljus, Mart**; **Raadik, Taavi**; **Danilson, Mati**; **Sergejev, Fjodor**; Lümkemann, Andreas; Kluson, Jan; Sondor, Jozef; **Bogatov, Andrei** Coatings 2021 / art. 495, 15 p. : ill https://doi.org/10.3390/coatings11050495 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High-temperature tribological performance of hard multilayer TiN-AlTiN/nACo-CrN/AlCrN-AlCrO-AlTiCrN coating deposited on WC-Co substrate
Alamgir, Asad; **Yashin, Maxim**; **Bogatov, Andrei**; **Viljus, Mart**; **Traksmaa, Rainer**; Sondor, Jozef; Lümkemann, Andreas; **Sergejev, Fjodor**; **Podgurski, Vitali** Coatings 2020 / art. 909, 10 p. : ill https://doi.org/10.3390/coatings10090909 Journal metrics at WOS Article at Scopus Journal metrics at WOS Article at WOS

High-temperature wear performance of hBN-added Ni-W composites produced from combustion-synthesized powders
Kumar, Rahul, 1993-; **Aydinyan, Sofiya**; **Ivanov, Roman**; **Liu, Le**; **Antonov, Maksim**; **Hussainova, Irina** Materials 2022 / art. 1252 https://doi.org/10.3390/ma15031252 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hoiame kokku! Ah et kuidas? : insenerid võitlevad kivistunud arusaamade vastu
Arak, Marti; Kookmaa, Kristjan Inseneeria 2016 / lk. [54]-55 : fot http://www.ester.ee/record=b2336521*est https://artiklid.elnet.ee/record=b2803300*est

Hot sliding wear of 88 wt.%TiB-Ti composites from SHS produced powders
Kumar, Rahul, 1993-; **Liu, Le**; **Antonov, Maksim**; **Ivanov, Roman**; **Hussainova, Irina** Materials 2021 / art. 1242, 14 p.: ill https://doi.org/10.3390/ma14051242 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Human factor as the main operational risk in dangerous goods transport chain
Janno, Jelizaveta; **Koppel, Ott** Business logistics in modern management : proceedings of the 17th International Scientific Conference 2017 / p. 63-78 : ill http://blmm-conference.com/wp-content/uploads/BLMM-book_2017_final_version.pdf

Human foot motion simulation during walking
Žigailov, Sergei; **Arjassov, Gennadi**; **Penkov, Igor**; Musalimov, Victor Machines, technologies, materials 2019 / p. 198-201 : ill https://stumejournals.com/journals/mtm/2019/5/198

HVOF sprayed Fe-Based wear-resistant coatings with carbide reinforcement, synthesized in situ and by mechanically activated synthesis
Tkachivskyi, Dmytro; **Juhani, Kristjan**; **Surženkov, Andrei**; **Kulu, Priit**; **Antonov, Maksim**; **Goljandin, Dmitri** Coatings 2020 / art. 1092, 15 p. : ill https://doi.org/10.3390/coatings10111092 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hädapeatunud sõiduki ohutuse peab tagama selle juht
Viita-Neuhaus, Anu Postimees 2024 / lk. 5 https://dea.digar.ee/article/postimees/2024/11/19/3.10

Hüperspektraalsensoorika rakendamine militaarobjektide signatuuride tuvastamiseks ja varjamiseks
Jürise, Martin; **Udal, Andres**; **Kaugerand, Jaanus** Sõjateadlane = Estonian journal of military studies 2018 / lk. 150–170 : ill
https://www.ksk.edu.ee/wp-content/uploads/2019/02/06_jyrise.pdf https://artiklid.elnet.ee/record=b2872674*est

Hybrid graphene-ceramic nanofibre network for spontaneous neural differentiation of stem cells
Kazantseva, Jekaterina; **Hussainova, Irina**; **Ivanov, Roman**; Neumann, Toomas; Gasik, Michael Interface focus 2018 / 6 p. : ill
https://doi.org/10.1098/rsfs.2017.0037 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hybrid metal-ceramic biomaterials fabricated through powder bed fusion and powder metallurgy for improved impact resistance of craniofacial implants
Rahmani Ahranjani, Ramin; **Kamboj, Nikhil Kumar**; Brojan, Miha; **Antonov, Maksim**; **Prashanth, Konda Gokuldoss** Materialia 2022 / art. 101465 https://doi.org/10.1016/j.mtla.2022.101465 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hydraulic characterization of Diesel, B50 and B100 using momentum flux
Atique, Muhammad Numan; Imran, S.; Razzaq, Luqman; Mujtaba, M. A.; Nawaz, Saad; Kalam, M. A.; Soudagar, Manzoore Elahi M.; **Hussain, Abrar**; Veza, Ibham; Arshad, Attique Alexandria engineering journal 2021 / p. 4371-4388 : ill
https://doi.org/10.1016/j.aej.2021.09.064 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hydrogen effects in equiatomic CrFeNiMn alloy fabricated by laser powder bed fusion
Yang, Xuan; Yagodzinskyy, Yuriy; Ge, Yanling; Lu, Eryang; Lehtonen, Joonas; **Kollo, Lauri**; Hannula, Simo-Pekka Metals 2021 / art. 872 https://doi.org/10.3390/met11060872 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hygrothermal performance of a massive natural stone masonry wall insulated from the internal side with hemp concrete – field measurements in cold climate
Pau, Markus; **Kalamees, Targo**; **Kallavus, Urve** Journal of physics : conference series 2021 / art. 012068, 9 p. : ill
https://doi.org/10.1088/1742-6596/2069/1/012068 Conference Proceedings at Scopus Article at Scopus

Hyperspectral camera with polarized filter as modern supersensor device for cyber-physical systems [Online resource]
Jürise, Martin; **Udal, Andres**; **Kaugerand, Jaanus**; **Sell, Raivo** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill
https://doi.org/10.1109/BEC.2018.8600957

Identification of active sites for oxygen reduction reaction on nitrogen- and sulfur-codoped carbon catalysts
Villemson, Karl Markus; **Kaare, Kätlin**; Raudsepp, Ragle; Käämbre, Tanel; Šmits, Krišjānis; Wang, Pangpang; Kuzmin, Anton V.; Šutka, Andris; Shainyan, Bagrat A.; Kruusenberg, Ivar Journal of physical chemistry C 2019 / p. 16065-16074
https://doi.org/10.1021/acs.jpcc.9b00117

Impact of alkali and silane treatment on hemp/PLA composites' performance : from micro to macro scale
Alao, Percy Festus; Marrot, Laetitia; Burnard, Michael David; Lavrič, Gregor; **Saarna, Mart**; **Kers, Jaan** Polymers 2021 / art. 851, 18 p. : ill https://doi.org/10.3390/polym13060851 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of fuel quantity on luminescence properties of Sr3Al2O6 : Eu by combustion synthesis
Barbosa, Williams; Álvarez-Docio, C. M.; Garcia-Carrodeguas, R.; Fook, M. V. L.; **Rojas Hernandez, Rocio Estefania**; Rodríguez, M. A. Cerâmica 2023 / p. 17-22 https://doi.org/10.1590/0366-69132023693893379 Journal metrics at Scopus Article at Scopus

Impact of LNG on the energy market of Estonia
Purju, Alari Natural gas revolution and the Baltic Sea region 2015 / p. 160-170 : ill
http://www.centrumbalticum.org/files/1910/BSR_policy_briefing_1_2015.pdf

The impact of microstructural refinement on the tribological behavior of niobium processed by Indirect Extrusion Angular Pressing
Omranpour Shahreza, Babak; Hernandez-Rodriguez, Marco A. L.; Hernandez-Rodriguez, Edgar; **Kommel, Lembit**; **Sergejev, Fjodor** Tribology international 2022 / art. 107412 https://doi.org/10.1016/j.triboint.2021.107412 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of Nb content on the morphology and properties of Ti (C0.5N0.5)-FeCrMo-based green cermets
Maurya, Himanshu Singh; **Tarraste, Marek**; **Viljus, Mart**; **Juhani, Kristjan**; **Sergejev, Fjodor**; **Kübarsepp, Jakob** Ceramics international 2024 / 10 p https://doi.org/10.1016/j.ceramint.2024.11.188

Impact of the scanning strategy on the mechanical behavior of 316L steel synthesized by selective laser melting
Salman, O. O.; Brenne, F.; Niendor, T.; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Journal of Manufacturing Processes 2019 / p. 255-261 : ill https://doi.org/10.1016/j.jmapro.2019.07.010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of variable geometry miniflaps on sailplane flight characteristics

Lauk, Peep; Seegel, Karl-Erik; **Tähemaa, Toivo** Aviation 2017 / p. 119-125 https://doi.org/10.3846/16487788.2017.1415228

Impact pressure on mechanical properties of aluminum based composite by ECAP-parallel channel
Pramano, Agus; Dhoska, Klodian; Markja, Irida; **Kommel, Lembit** Pollack periodica 2019 / p. 67–74 https://doi.org/10.1556/606.2019.14.1.7 Journal metrics at Scopus Article at Scopus

Implementation of a knowledge-based manufacturing on the example of Sumar Tools OÜ
Kruuser, Kaarel; **Riives, Jüri**; **Tšukrejev, Pavel**; Kiolein, Indrek Proceedings of the Estonian Academy of Sciences 2019 / p. 407-412 : ill http://www.kirj.ee/32741/?tpl=1061&c_tpl=1064 https://doi.org/10.3176/proc.2019.4.10 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Implementation of Digital Twins for electrical energy conversion systems in selected case studies
Rassõlkin, Anton; Orosz, Tamas; **Demidova, Galina**; **Kuts, Vladimir**; **Rjabtšikov, Viktor**; **Vaimann, Toomas**; **Kallaste, Ants** Proceedings of the Estonian Academy of Sciences 2021 / p. 19-39 : ill https://doi.org/10.3176/proc.2021.1.03 https://doi.org/wp-content/plugins/kirj/pub/proc-1-2021-19-39_20210201183802.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Implementation of key performance indicators selection model as part of the enterprise analysis model
Kaganski, Sergei; **Majak, Jüri**; **Karjust, Kristo**; **Toompalu, Silver** Procedia CIRP 2017 / p. 283-288 : ill https://doi.org/10.1016/j.procir.2017.03.143 Conference proceedings at Scopus Article at Scopus Article at WOS

Implementation of RF X-parameters principle to non-linear vibro-acoustics membrane as a two-port measurement
Moezzi, Reza IEEE Estonia Section Summer Seminar 2018, 19. and 20. august = IEEE sügisseminar 2018, 19. ja 20. augustil, Jäneda Mõis 2018 / 21 p. : ill https://iscx.dcc.ttu.ee/ISC/ws/RezaPresentation.pdf https://iscx.dcc.ttu.ee/ISC/ws/ws.asp?IEEEYear=2018

Implementing a sol-gel route to adjust the structural and dielectric characteristics of Bi and Fe co-doped BaTiO3 ceramics
Gouadria, Hamida; Mourad, Smari; Mnasri, Taoufik; **Necib, Jallouli**; López Sánchez, Jesús; Marín, Pilar; Jamale, Atul P.; Ben Younes, Rached Inorganic chemistry communications 2023 / art. 110241 https://doi.org/10.1016/j.inoche.2022.110241 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Implementing interdisciplinarity in career guidance : guidebook for career counselors : Rezekne, Tallinn, Kaunas 2019
2019 https://www.rta.lv/uploads/source/projects/citi%20projekti/2019/Handbook_%20EE.pdf https://www.researchgate.net/publication/336944607_Disaini_tehnoloogia_ja_majanduse_erialadevaheliste_pohimotete_rakendamise_karjaarinoustamise_kasiraamat https://www.researchgate.net/publication/336944824_Karjeras_konsultantu_rokasgramata_dizaina_tehnologiju_un_ekonomikas_starpdisciplinaritates_istenosanai https://www.ester.ee/record=b5188148*est

Implementing interdisciplinarity in career guidance for secondary school students in forestry and wood, metal and machinery, agriculture and food sectors of industry
Ševtšenko, Eduard; **Karaulova, Tatjana**; Igavens, Maris; **Kuts, Vladimir** Holistinis mokymasis = Holistic learning 2017 / p. 53-61 https://doi.org/10.7220/2351-7409.3.5

Importance of the micro-lattice structure of selective laser melting processed Mo/Mo(x)S(x+1) composite: Corrosion studies on the electrochemical performance in aqueous solutions
Alinejadian, Navid; Kazemi, Sayed Habib; **Grossberg-Kuusk, Maarja**; **Kollo, Lauri**; Odnevall, Inger Charlotta; **Prashanth, Konda Gokuldoss** Materials today chemistry 2022 / art. 101219 https://doi.org/10.1016/j.mtchem.2022.101219 Journal metrics at Scopus Article at Scopus Journalmetrics at WOS Article at WOS

Improvement of automotive service management by means of computer simulation
Makarova, Irina; **Pashkevich, Anton**; Buyvol, Polina; Mavrin, Vadim; Abeshev, Kuanysh; Shubenkova, Ksenia Transportation research procedia 2020 / P. 160−167 https://doi.org/10.1016/j.trpro.2020.02.023 Conference Proceedings at Scopus Article at Scopus Article at WOS

Improving security of gas supply in Eastern Baltic region : LNG terminal alternatives
Leppiman, Ando; **Kõrbe Kaare, Kati**; **Koppel, Ott** International journal of energy 2014 / p. 1-7

Improving the city's transport system sustainability by making an justified choice of the optimal infrastructure solution
Makarova, Irina; Mavrin, Vadim; Buyvol, Polina; **Pashkevich, Anton**; Mukhametdinov, Eduard 2020 21th International Carpathian Control Conference (ICCC) 2020 / 6 p https://doi.org/10.1109/ICCC49264.2020.9257283

In situ fabrication of TiC-NiCr cermets by selective laser melting
Aramian, Atefeh; Sadeghian, Zohreh; **Prashanth, Konda Gokuldoss**; Berto, Filippo International journal of refractory metals and hard materials 2020 / art. 105171, 8 p. : ill https://doi.org/10.1016/j.ijrmhm.2019.105171 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

In situ Mo(Si,Al)2-based composite through selective laser melting of a MoSi2-30 wt.% AlSi10Mg mixture
Minasyan, Tatevik; **Aydinyan, Sofiya**; Toyserkani, Ehsan; **Hussainova, Irina** Materials 2020 / art. 3720 ; 13 p

https://doi.org/10.3390/ma13173720 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

In situ production of low-modulus Ti-Nb alloys by selective laser melting and their functional assessment toward orthopedic applications
Singh, Neera; Srikanth, K. P.; Gopal, Vasanth; Rajput, Monika; Manivasagam, Geetha; **Prashanth, Konda Gokuldoss** Journal of Materials Chemistry B 2024 / p. 5982-5993 : ill https://doi.org/10.1039/D4TB00379A Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

In vitro corrosion behavior of selective laser melted Ti-35Nb-7Zr-5Ta
Ummethala, Raghunandan; Jayaraj, Jayamani; Karamched, Phani S.; Rathinavelu, Sokkalingam; Singh, Neera; Surreddi, Kumar Babu; **Prashanth, Konda Gokuldoss** Journal of Materials Engineering and Performance 2021 / p. 7967-7978
https://doi.org/10.1007/s11665-021-05940-9 Journal metric at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Incorporated maritime policy concept : adopting ESRS principles to support maritime sector's sustainable growth
Nõmmela, Kaidi; **Kõrbe Kaare, Kati** Sustainability 2022 / art. 13593 : ill https://doi.org/10.3390/su142013593 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Induction brazing of cermets to steel and eddy current testing of joint quality
Laansoo, Andres; **Kübarsepp, Jakob**; **Surženkov, Andrei**; **Land, Raul**; **Märtens, Olev**; **Viljus, Mart** Welding in the World 2020 / p. 563–571 https://doi.org/10.1007/s40194-020-00854-x Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Industrial approach to circularity of polymer composites : processing, characterization, mechanical testing, and wear regression
Hussain, Abrar; **Podgurski, Vitali**; **Goljandin, Dmitri**; **Antonov, Maksim** Journal of reinforced plastics and composites 2024 / p. 456-472 : ill https://doi.org/10.1177/07316844231164563 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Industrial collaborative robot digital twin integration and control using robot operating system
Diachenko, Danyl; **Partyshev, Andriy**; **Pizzagalli, Simone Luca**; **Bondarenko, Yevhen**; **Otto, Tauno**; **Kuts, Vladimir** Journal of Machine Engineering 2022 / p. 57 - 67 https://doi.org/10.36897/jme/148110 Journal metrics at Scopus Article at Scopus

Industrial data analytics in manufacturing shop floor level
Moor, Madis; Pakkanen, Jarkko; **Raamets, Tõnis**; **Mahmood, Kashif**; **Riives, Jüri** Modern materials and manufacturing 2023 : Tallinn, Estonia, 2-4 May 2023 2024 / art. 030006 https://doi.org/10.1063/5.0189502 Conference proceedings at Scopus Article at Scopus

Industrial robot training in the simulation using the machine learning agent
Nutonen, Karle; **Kuts, Vladimir**; **Otto, Tauno** Procedia computer science 2023 / p. 446-455
https://doi.org/10.1016/j.procs.2022.12.240 Conference Proceedings at Scopus Article at Scopus

Industrial sustainable fabrication, SEM characterization, mechanical testing, ANOVA analysis of PP-PETF recycled composites : artificial intelligence and deep learning studies for nuclear shielding applications
Hussain, Abrar; **Goljandin, Dmitri**; **Podgurski, Vitali**; **Yörük, Can Rüstü**; **Sergejev, Fjodor**; **Kübarsepp, Jakob**; **Maurya, Himanshu Singh**; Rahmani Ahranjani, Ramin European polymer journal 2024 / art. 113082
https://doi.org/10.1016/j.eurpolymj.2024.113082 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Industry 4.0 laboratory
Vaher, Kristo; Vainola, Vello; **Otto, Tauno** International Scientific Journal Industry 4.0 2019 / p. 210-211 : ill
https://stumejournals.com/journals/i4/2019/5/210

Industry 4.0 laboratory
Vaher, Kristo; Vainola, Vello; **Otto, Tauno** IV International Scientific Conference, Industry 4.0. Summer session, 24-27.06.2019, Burgas, Bulgaria : proceedings. Vol. 1/5 2019 / p. 52-53 : ill https://industry-4.eu/winter/sbornik/1-2019.pdf

Industry 4.0 technologies as enablers of Lean and Agile Supply Chain Strategies : an exploratory investigation
Raji, Ibraihim; **Ševtšenko, Eduard**; Rossi, Tommaso; Strozzi, Fernanda The international journal of logistics management 2021 / p. 1150-1189 : ill https://doi.org/10.1108/IJLM-04-2020-0157 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of acute mental stress on the forehead photoplethysmographic signal waveform
Pilt, Kristjan; **Karai, Deniss**; **Bachmann, Maie**; **Gavriljuk, Marietta**; **Fridolin, Ivo** 19th Nordic-Baltic conference on biomedical engineering and medical physics : proceedings of NBC 2023, June 12-14, 2023, Liepaja, Latvia 2023 / p. 181 - 188
https://doi.org/10.1007/978-3-031-37132-5_23 Conference Proceedings at Scopus Article at Scopus

Influence of birch false heartwood on the physical and mechanical properties of wood-plastic composites

Kallakas, Heikko; **Ayansola, Gbenga**; **Tumanov, Tanel**; **Goljandin, Dmitri**; **Poltimäe, Triinu**; **Krumme, Andres**; **Kers, Jaan** Bioresources 2019 / p. 3554-3566 : ill https://doi.org/10.15376/biores.14.2.3554-3566 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The influence of high-energy ball milling and nanoadditives on the kinetics of heterogeneous reaction in Ni-Al system
Nazaretyan, Khachik; Kirakosyan, Hasmik; **Aydinyan, Sofiya**; Zakaryan, Marieta; Abovyan, L. S.; Kulak, M.; Khina, B. IOP conference series : materials science and engineering 2021 / art. 012052 https://doi.org/10.1088/1757-899X/1140/1/012052

The influence of Laves phase morphology on the mechanical properties of rotary friction welded Inconel 718 fabricated by selective laser melting
Dinesh, Lanka; Susila, Periyasamy; **Prashanth, Konda Gokuldoss**; Sivaprasad, Katakam Materials science and engineering : A 2025 / art. 148416 https://doi.org/10.1016/j.msea.2025.148416

Influence of miniflaps on sailplane flight characteristics
Lauk, Peep; Unt, Karl-Eerik Aviation 2015 / p. 105-111 : ill https://doi.org/10.3846/16487788.2015.1104793 Journal metrics at Scopus Article at Scopus

Influence of nozzle geometry on fluid flow parameters
Penkov, Igor; **Aleksandrov, Dmitri** International journal of applied mechanics and engineering 2020 / p. 215-222 : ill https://doi.org/10.2478/ijame-2020-0060 Journal metrics at Scopus Article at Scopus

Influence of powder characteristics on processability of AlSi12 alloy fabricated by selective laser melting
Baitimerov, Rustam; Lykov, Pavel; Zherebtsov, Dmitry; Radionova, Ludmila; Shultc, Alexey; **Prashanth, Konda Gokuldoss** Materials 2018 / art. 742, 14 p. : ill https://doi.org/10.3390/ma11050742 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The influence of process parameters on the microstructure and properties of the TiC/Ti-alloy composites fabricated by the directed energy deposition process
Wang, Yongxia; Fan, Wei; Zhou, Fan; **Prashanth, Konda Gokuldoss**; Feng, Zhe; Zhang, Siyu; Tan, Hua; Lin, Xin Journal of materials research and technology 2025 / p. 164-174 https://doi.org/10.1016/j.jmrt.2024.12.043

Influence of severe straining and strain rate on the evolution of dislocation structures during micro-/nanoindentation in high entropy lamellar eutectics
Maity, Tapabrata; **Prashanth, Konda Gokuldoss**; Balci, Özge International journal of plasticity 2018 / p. 121-136 : ill https://doi.org/10.1016/j.ijplas.2018.05.012 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of strong carbide-forming elements (Nb and Ta) on the development of the green (Ti, Me)(C,N)-high chromium Fe-based cermets
Maurya, Himanshu Singh; **Juhani, Kristjan**; **Tarraste, Marek**; **Viljus, Mart**; **Kumar, Rahul, 1993-**; **Hussain, Abrar**; **Sergejev, Fjodor**; **Kübarsepp, Jakob** Vacuum 2024 / art. 113723, 12 p https://doi.org/10.1016/j.vacuum.2024.113723

Influence of substrate plate heating on the fabrication of Al-12Si produced by selective laser melting
Xi, L. X.; Ma, Pan; Jia, Yandong; Chaubey, A. K.; Wang, Z.; **Prashanth, Konda Gokuldoss** Transactions of the Indian National Academy of Engineering 2021 / p. 1027-1036 https://doi.org/10.1007/s41403-021-00240-z

Influence of substructures on the selective laser melted Ti-6Al-4V alloy as a function of laser re-melting
Karimi, Javad; Xie, Meishen; Wang, Zhi; **Prashanth, Konda Gokuldoss** Journal of manufacturing processes 2021 / p. 1387-1394 https://doi.org/10.1016/j.jmapro.2021.06.059 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of the interlayer temperature on structure and properties of CMT wire arc additive manufactured NiTi structures
Singh, Shalini; Palani, Iyamperumal Anand; Dehgahi, Shirin; Paul, Christ Prakash; **Prashanth, Konda Gokuldoss**; Jawad Qureshi, Ahmed Jawad Journal of Alloys and Compounds 2023 / art. 171447, 10 p. https://doi.org/10.1016/j.jallcom.2023.171447 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The influence of thermal dilution on the microstructure evolution of some combustion-synthesized refractory ceramic composites
Aydinyan, Sofiya; Kharatyan, Suren; **Hussainova, Irina** Crystals 2022 / art. 59 https://doi.org/10.3390/cryst12010059 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of unpacking temperature on tensile strength of PA12 parts manufactured by SLS
Sepp, Geithy GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 58 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Influencing factors of moisture measurement when using microwave reflection method
Kurik, Lembit; **Kalamees, Targo**; **Kallavus, Urve**; **Sinivee, Veljo** Energy procedia 2017 / p. 159-164 : ill https://doi.org/10.1016/j.egypro.2017.09.675 Conference proceedings at Scopus Article at Scopus Article at WOS

Inimene Marsil või termotuumareaktsioon energeetikas : kumb tuleb enne?
Kübarsepp, Jakob Mente et Manu 2018 / lk. 35 : fot http://www.ester.ee/record=b1242496*est
http://dea.digar.ee/publication/AKmenteetmanu https://artiklid.elnet.ee/record=b2865227*est

Inimese roll logistikas kasvab kriisi ajal jõudsalt : intevjuu
Janno, Jelizaveta Äripäev 2020 / lk. 26-27 : portr https://www.ester.ee/record=b2122331*est

Innovative common study block framework for joined collaborative curriculums development
Ševtšenko, Eduard; Nõuakas, Kati; Murumaa, Lea; Kallas, Oliver; **Karaulova, Tatjana** Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 1 2021 / p. 30-41 https://doi.org/10.1007/978-3-030-68198-2_3 Conference Proceedings at Scopus Article at Scopus Article at WOS

Innovative fibreless HVAC duct silencer based on microperforated elements
Villau, Margus; **Rämmal, Hans**; **Lavrentjev, Jüri** Materials today: proceedings 2021 / 7 p. : ill
https://doi.org/10.1016/j.matpr.2021.06.201 Journal metrics at Scopus Article at Scopus

Innovative management and implementation of applied research project "Green Cost-Efficient Package Selection"
Ševtšenko, Eduard; **Karaulova, Tatjana**; **Pohlak, Meelis**; **Mahmood, Kashif**; **Tamm, Martin**; **Leht, Kaupo** Case study of innovative projects : successful real cases 2017 / p. 143-168 : ill http://dx.doi.org/10.5772/67541

Innovative methods of engineering education popularization at schools
Ševtšenko, Eduard; **Karaulova, Tatjana**; Igavens, Maris; Strods, Gunars; **Mahmood, Kashif** Proceedings of the Estonian Academy of Sciences 2019 / p. 356-363 : ill http://www.kirj.ee/32591/?tpl=1061&c_tpl=1064 https://doi.org/10.3176/proc.2019.4.01 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Insener kui loovisik
Kübarsepp, Jakob; **Hamburg, Arvi**; Peipman, Tõnu Sirp 2017 / lk. 17-19 http://www.sirp.ee/s1-artiklid/c21-teadus/insener-kui-loovisik/

Inseneriakadeemia ellukutsumise vajadusest - nutikale Eestile annavad sisu insenerid
Veinthal, Renno Eesti Masinatööstuse Liit. TTÜ mehaanika ja tööstustehnika instituut 85 2021 / lk. 49-52 : ill

Insenerid ja pedagoogika. Mis aitaks praegusest rohkem spetsialiste kooli?
Rüütmann, Tiia opleht.ee 2025 https://opleht.ee/2025/01/insenerid-ja-pedagoogika-mis-aitaks-praegusest-rohkem-spetsialiste-kooli/

Inseneride ja tehnikaerialade spetsialistide puudust saab leevendada pädevate reaalaineõpetajate koolitamisega
Rüütmann, Tiia Elektriala 2023 / lk. 8-9 : fot https://www.ester.ee/record=b1240496*est

Inseneride koolitus Eestis : olukord ja suundumused
Kübarsepp, Jakob Välis-Eesti : Välis-Eesti Ühingu ajakiri 2022 / lk. 14-17 https://www.ester.ee/record=b4482089*est

Inseneride vajadus Eestis - müüdid ja tegelikkus
Põdra, Priit Fraater : korporatsioon Fraternitas Estica ajakiri 2018 / lk. 10-13 : ill https://www.ester.ee/record=b4640794*est
http://fliphtml5.com/qxzls/jws/basic

Inseneriharidus ja -teadused kõrgharidus- ja teadusmaastikul
Kübarsepp, Jakob Eesti Teaduste Akadeemia aastaraamat = Annales academiae scientarum Estonicae 2016 2017 / lk. 84-89
http://www.ester.ee/record=b1218094*est

Insenerihariduse suundumusi ja inseneripedagoogika olulisus
Rüütmann, Tiia; Kivestu-Rotella, Tuulike Õpetajate Leht 2023 / Lk. 1 https://dea.digar.ee/article/opetajateleht/2023/03/31/2
Insenerihariduse suundumusi ja inseneripedagoogika olulisus

Inseneriks õppivad tudengid võiksid üldhariduskoolis reaalaineid õpetada [Võrguväljaanne]
Oll, Sulev Õpetajate Leht 2022 / lk. 10 Inseneriks õppivad tudengid võiksid üldhariduskoolis reaalaineid õpetada

Inseneripedagoogika : STEM valdkonna õppeainete mõjus õpetamine ja õppimine. 1
Rüütmann, Tiia 2019 https://www.ester.ee/record=b5179475*est https://digikogu.taltech.ee/et/Item/17660354-9270-4ab5-b06a-4a04cbd33351

Inseneripedagoogika : STEM valdkonna õppeainete mõjus õpetamine ja õppimine. 2
Rüütmann, Tiia 2019 https://www.ester.ee/record=b5179473*est https://digikogu.taltech.ee/et/Item/17660354-9270-4ab5-b06a-4a04cbd33351

Inseneripedagoogika aitab leevendada olukorda Eesti põuasel õpetajaturul [Võrguväljaanne]
Rüütmann, Tiia postimees.ee 2021 "Inseneripedagoogika aitab leevendada olukorda Eesti põuasel õpetajaturul"

Inseneripedagoogika aitab leevendada õpetajate põuda
Rüütmann, Tiia Õpetajate Leht 2021 / Lk. 4 "Inseneripedagoogika aitab leevendada õpetajate põuda"

Inseneriteaduskond võimestab koostööd ettevõtetega
Mätlik, Eva-Liina TööstusEST 2025 / lk. 9 https://www.ester.ee/record=b4481084*est

Inseneriteaduskonna dekaan: noori insenere ei tasu liiga vara koolipingist tööle meelitada, Leedu ajab õiget asja
Puusild, Harro toostusuudised.ee 2023 Inseneriteaduskonna dekaan: noori insenere ei tasu liiga vara koolipingist tööle meelitada, Leedu ajab õiget asja

In-situ alloying of TiC-FeCr cermets in manganese vapour
Kolnes, Märt; **Tarraste, Marek**; **Kübarsepp, Jakob**; **Juhani, Kristjan**; **Viljus, Mart** Proceedings of the Estonian Academy of Sciences 2021 / p. 533-539 : ill https://doi.org/10.3176/proc.2021.4.22 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Integration of autonomous vehicles and Industry 4.0
Sell, Raivo; **Rassõlkin, Anton**; **Wang, Ruxin**; **Otto, Tauno** Proceedings of the Estonian Academy of Sciences 2019 / p. 389–394 : ill https://doi.org/10.3176/proc.2019.4.07 http://www.kirj.ee/32705/?tpl=1061&c_tpl=1064 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Integration of digital twins into virtual commissioning practices
Guerra Zubiaga, David; Richards, Gersom; Forsberg, Paul; Nwachukwu, Kingsley; Burroughs, Andrew; Sabula, Eric; **Kuts, Vladimir** ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE) ; vol. 2 2024 / art. IMECE2024-145598, V002T03A076 ; 9 p https://doi.org/10.1115/IMECE2024-145598

Intelligent decision making approach for performance evaluation of a robot-based manufacturing cell
Kangru, Tavo; **Riives, Jüri**; **Otto, Tauno**; **Pohlak, Meelis**; **Mahmood, Kashif** ASME 2018 International Mechanical Engineering Congress and Exposition : Pittsburgh, Pennsylvania, USA, November 9–15, 2018 2018 / Paper No. IMECE2018-86666, pp. V002T02A092; 10 p. : ill http://doi.org/10.1115/IMECE2018-86666

Intelligent functions development on autonomous electric vehicle platform
Wang, Ruxin; **Sell, Raivo**; **Rassõlkin, Anton**; **Otto, Tauno**; Malayjerdi, Ehsan Journal of machine engineering 2020 / p. 114-125 https://doi.org/10.36897/jme/117787 Journal metrics at Scopus Article at Scopus

Intelligent system and equipment for greenhouses monitoring
Penkov, Igor Journal of hygienic engineering and design 2018 / p. 41-46 : ill http://www.jhed.mk/filemanager/JHED%20Vol.%2022/03.%20FPP/01.%20Full%20paper%20-%20Igor%20Penkov.pdf Journal metrics at Scopus Article at Scopus

The interaction pathway in the mechano-ultrasonically assisted and carbon-nanotubes augmented nickel-aluminum system
Nazaretyan, Khachik; Kirakosyan, Hasmik; **Volobujeva, Olga**; **Aydinyan, Sofiya** Metals 2022 / art. 436 https://doi.org/10.3390/met12030436 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Interactive teaching methods as human factors management tool in dangerous goods transport on roads
Janno, Jelizaveta; **Koppel, Ott** Teaching and Learning in a Digital World : proceedings of the 20th International Conference on Interactive Collaborative Learning. Volume 1 2018 / p. 619-628 https://link.springer.com/chapter/10.1007/978-3-319-73210-7_72 https://doi.org/10.1007/978-3-319-73210-7_72 Conference proceedings at Scopus Article at Scopus Article at WOS

Interfacial structure and wear properties of selective laser melted Ti/(TiC+TiN) composites with high content of reinforcements
Xi, Lixia; Ding, Kai; Gu, Dongdong; Guo, Shuang; Cao, Mengzhen; Zhuang, Jie; Lin, Kaijie; Okulov, Ilya; Sarac, Baran; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2021 / art. 159436, 9 p.: ill https://doi.org/10.1016/j.jallcom.2021.159436 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

An international hands-on IoT education platform towards Industry 5.0
Sell, Raivo; Czekalski, Piotr; Tokarz, Krzysztof; Kuaban, Godlove Suila; Nikitenko, Agris; Berkolds, Karlis; Lipka, Lukasz Proceedings of the Estonian Academy of Sciences 2025 / p. 198–204 https://doi.org/10.3176/proc.2025.2.21

The International Society for Engineering Pedagogy : 1972–2022
Polyakova, Tatiana; Prikhodko, Viacheslav; **Rüütmann, Tiia**; Auer, Michael E. 2023 https://doi.org/10.1007/978-3-031-19890-8 https://www.ester.ee/record=b5746643*est

Internet of Things network infrastructure for the educational purpose
Tokarz, Krzysztof; Czekalski, Piotr; Drabik, Gabriel; Paduch, Jaroslaw; Distefano, Salvatore; Di Pietro, Riccardo; Merlino, Giovanni; Scaffidi, Carlo; **Sell, Raivo** 2020 IEEE Frontiers in Education Conference (FIE) 2020 https://doi.org/10.1109/FIE44824.2020.9274040

Conference Proceedings at Scopus Article at Scopus Article at WOS

Introduction to the IOT
Sell, Raivo; Puks, Rim; Kingsepp, Mallor 2019

Introduction to the IoT : Practical project [Electronic resource]
Sell, Raivo; Puks, Rim; Kingsepp, Mallor 2019 http://iot-open.eu/download/iot-open-eu-introduction-to-the-iot-practical-projects-in-english/

Introduction to the IOT (Internet of Things) : coursebook
Sell, Raivo; Puks, Rim; Kingsepp, Mallor; Nikitenko, Agris; Berkolds, Karlis; Vagale, Anete; Rumba, Rudolfs; Czekalski, Piotr; Tokarz, Krzysztof; **Läll, Karl** 2025 https://ebooks.rtu.lv/product/introduction-to-the-iot-second-edition/?lang=en#tab-id-1

Inverse methods and integral-differential model demonstration for optimal mechanical operation of power plants - numerical graphical optimization for second generation of tribology models
Casesnoves, Francisco Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2018 / p. 39-50 : ill https://doi.org/10.2478/ecce-2018-0005

Inverse methods for computational simulations and optimization of erosion models in power plants : a numerical-sufactal nonlinear optimization of modelling
Casesnoves, Francisco; **Surženkov, Andrei** 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [8] p. : ill http://dx.doi.org/10.1109/RTUCON.2017.8125630

Investigating the structure, microstructure, and texture in selective laser melted sterling silver 925
Vikram, R. J.; **Kollo, Lauri**; **Prashanth, Konda Gokuldoss**; Suwas, Satyam Metallurgical and materials transactions A : Physical metallurgy and materials science 2021 / p. 5329–5341 : ill https://doi.org/10.1007/s11661-021-06471-7 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of deep UV emission of rare-earth-free Zn2SiO4 micropowders : the correlation of structural and luminescence properties
Necib, Jallouli; Feldbach, Eduard; Romet, Ivo; Nagirnyi, Vitali; **Hussainova, Irina**; **Rojas Hernandez, Rocio Estefania** Journal of luminescence 2025 / art. 121070 https://doi.org/10.1016/j.jlumin.2025.121070

Investigation of Devulcanised Crumb Rubber Milling and Deagglomeration in Disintegrator System
Lapkovskis, Vjaceslavs; Mironovs, Viktors; Irtiseva, Kristine; **Goljandin, Dmitri**; Shishkin, Andrei Key engineering materials 2019 / p. 216−220 https://doi.org/10.4028/www.scientific.net/KEM.800.216 Conference proceeding at Scopus Article at Scopus

Investigation of different carbon nanotube reinforcements for fabricating bulk AlMg5 matrix nanocomposites [Online resource]
Kallip, Kaspar; Leparoux, Marc; AlOgab, Khaled A. Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p http://fmtdk.ut.ee/teesid/

Investigation of nonlinear targeted energy transfer (TET) phenomena in the presence of elastic membrane in duct acoustics with different BCs
Moezzi, Reza International journal of scientific & engineering research 2018 / p. 476-483 : ill https://www.ijser.org/onlineResearchPaperViewer.aspx?Investigation-of-Nonlinear-Targeted-Energy-Transfer-TET-phenomena-in-the-Presence-of-Elastic-Membrane-in-Duct-Acoustics-with-Different-BCs.pdf

Investigation of oxygen reduction on platinum nanoparticles deposited onto peat-derived carbon carrier
Lobjakas, Viljar; Nerut, Jaak; Kasuk, Heili; Adamson, Anu; Thomberg, Thomas; Aruväli, Jaan; Valk, Peeter; Teppor, Patrick; Koppel, Mirjam; **Mikli, Valdek**; **Volobujeva, Olga**; **Lust, Enn** ECS Meeting Abstracts 2022 / p. 49-58 : ill https://doi.org/10.1149/10807.0049ecst Journal metrics at Scopus Article at Scopus

Investigation of steam turbine blades damage and reliability in a power plant
Molodtsov, Artjom; **Dedov, Andrei**; **Klevtsov, Ivan**; **Kommel, Lembit**; **Lausmaa, Toomas**; **Mikli, Valdek** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 89-94 : ill https://www.scientific.net/KEM.799.89 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.89 Conference proceeding at Scopus Article at Scopus

Investigation of the corrosion and tribological properties of WC-Co tools hardened with PVD coatings in solid oak wood processing
Kazlauskas, Deividas; Jankauskas, Vytenis; **Antonov, Maksim** Coatings 2024 / art. 569 https://doi.org/10.3390/coatings14050569

Investigation of the high temperature dry sliding wear behavior of graphene nanoplatelets reinforced aluminum matrix composites

Seçkin, Martin; Kandemir, Sinan; **Antonov, Maksim** Journal of composite materials 2021 / 13 p. : ill https://doi.org/10.1177/0021998320979037 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of the tribological behavior of the additively manufactured TiC-based cermets by scratch testing
Maurya, Himanshu Singh; Jayaraj, Jayamani; Wang, Z.; **Juhani, Kristjan**; **Sergejev, Fjodor**; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 170496, 9 p. : ill https://doi.org/10.1016/j.jallcom.2023.170496 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ionic substituted hydroxyapatite for bone regeneration applications : a review
Ressler, Antonia; Žužic, Andreja; Ivaniševic, Irena; **Kamboj, Nikhil Kumar**; Ivankovic, Hrvoje Open Ceramics 2021 / art. 100122 https://doi.org/10.1016/j.oceram.2021.100122 Journal metrics at Scopus Article at Scopus Article at WOS

IoT-based senses for virtual enterprises
Mahmoodpour, Mehdi; **Mahmood, Kashif**; Lobov, Andrei IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2018 / p. 4181-4186 : ill http://doi.org/10.1109/IECON.2018.8592796

Is Estonian transit sector in trouble after the EU accession and sanctions against Russia? A qualitative study of transit flows
Markus, Raul; Veebel, Viljar Journal of International Studies 2020 / p. 224 - 241 https://doi.org/10.14254/2071-8330.2020/13-2/16 Journal metrics at Scopus Article at Scopus

Iseauto ja tehisintellekt köidavad Euroopas tähelepanu
Sell, Raivo Mente et Manu 2019 / lk. 38-40 : fot https://www.ester.ee/record=b1242496*est https://taltech.ee/avalehekulg/?category=128006#newsTabsMenu https://www.ttu.ee/public/m/mente-et-manu/MM_01_2019/mobile/index.html

Iseauto uusversioon on värske teo ja näoga
Imeline Teadus 2021 / lk. 20 : fot https://www.ester.ee/record=b2747925*est

Iseautost targa linnakuni : TalTechi tee
Sarv, Mari Öö; **Sell, Raivo** Mente et Manu 2020 / lk. 52-55 : fot https://www.ttu.ee/public/m/mente-et-manu/MM_02_2020/mobile/index.html https://www.ester.ee/record=b1242496*est

Isejuhtivad autod - kas kauge unistus või homne reaalsus?
Sell, Raivo Digi 2017 / lk. 26-27 : portr http://www.ester.ee/record=b2040633*est https://artiklid.elnet.ee/record=b2817119*est

Isejuhtivad autod tulevad, ent dilemmad tahavad lahendamist
Ivask, Pille; **Sell, Raivo** Äripäev 2019 / lk. 10

Isejuhtivad autod võivad muuta meie liikluskorraldust, eetilisi tõekspidamisi ja arusaamu küberturvalisusest
Sell, Raivo arileht.delfi.ee 2024 Isejuhtivad autod võivad muuta meie liikluskorraldust, eetilisi tõekspidamisi ja arusaamu küberturvalisusest

Isejuhtivad sõidukid tulevad. Kas oleme selleks valmis?
Sell, Raivo Sirp 2019 / lk. 34-36 : fot https://www.ester.ee/record=b1072938*est https://sirp.ee/s1-artiklid/c21-teadus/isejuhtivad-soidukid-tulevad-kas-oleme-selleks-valmis/

Isejuhtivat autot saab 5G abil juhtida kas või välismaalt
Imeline Teadus 2020 / lk. 21 : fot https://www.ester.ee/record=b2747925*est

Isothermal oxidation of SLM fabricated Mo(Si1-xAlx)2-based composite
Minasyan, Tatevik; **Liu, Le**; Toyserkani, Ehsan; **Hussainova, Irina** IOP conference series : materials science and engineering 2021 / art. 012003, 8 p.: ill https://doi.org/10.1088/1757-899X/1140/1/012003

ITS safety ensuring through situational management methods
Makarova, Irina; Shubenkova, Ksenia; Mukhametdinov, Eduard; Mavrin, Vadim; **Antov, Dago**; **Pashkevich, Anton** Intelligent Transport Systems – From Research and Development to the Market Uptake : First International Conference, INTSYS 2017, Hyvinkää, Finland, November 29-30, 2017, Proceedings 2018 / p. 133 - 143 https://doi.org/10.1007/978-3-319-93710-6_15 Conference Proceedings at Scopus Article at Scopus Article at WOS

Jakob Kübarsepp : arendusgrant suurendab teaduse ühiskondlikku mõju
Kübarsepp, Jakob Mente et Manu 2019 / lk. 33 : portr https://www.ester.ee/record=b1242496*est https://www.ttu.ee/public/m/mente-et-manu/MM_01_2019/mobile/index.html

Jakob Kübarsepp: mind on köitnud akadeemiline eluviis ja selle sisemine loogika
Kübarsepp, Jakob Mente et Manu 2025 / lk. 16-17 : fot https://www.ester.ee/record=b1242496*est

Jan Amos Komenský (Comenius) – rahvaste õpetaja

Läänemets, Urve; **Rüütmann, Tiia** Õpetajate Leht 2022 https://opleht.ee/2022/04/jan-amos-komensky-comenius-rahvaste-opetaja/

Joint reduction of NiO + WO3 oxides by combined Mg/C reducer. Synergetic effect
Zakaryan, Marieta; Nazaretyan, K.; **Aydinyan, Sofiya**; Kharatyan, Suren XV International Symposium on Self-Propagating HighTemperature Synthesis, September 16-20, 2019 2019 / p. 546-548 : ill
http://www.ism.ac.ru/events/SHS2019/doc/abstract_shs2019.pdf

Joint reduction of NiO/WO3 pair and NiWO4 by Mg + C combined reducer at high heating rates
Zakaryan, Marieta; Nazaretyan, Khachik; **Aydinyan, Sofiya**; Kharatyan, Suren Metals 2021 / art. 1351, 13 p. : ill
https://doi.org/10.3390/met11091351 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Juri Ess. Liikluskorraldus ja liiklusõnnetuste ennetamine. Intervjuu : Juri Ess
Ess, Juri Teadus kolme minutiga : 2015-2016 2017 / lk. [50]-59 : portr., ill http://www.ester.ee/record=b4654069*est

Jätkuv autostumine muudab linnatänavad liiklustorudeks [Võrguväljaanne]
Oidermaa, Jaan-Juhan novaator.err.ee 2020 / fot Jätkuv autostumine muudab linnatänavad liiklustorudeks

Jüri Lavrentjev: uuringud ei kinnita tuulikute mõju tervisele [Võrguväljaanne]
Lavrentjev, Jüri online.le.ee 2021 "Jüri Lavrentjev: uuringud ei kinnita tuulikute mõju tervisele"

Kaasava disaini areng ja taandareng
Melioranski, Ruth-Helene Sirp 2016 / lk. 18-19 : fot http://www.sirp.ee/s1-artiklid/arhitektuur/kaasava-disaini-areng-ja-taandareng/

Kaasava disaini areng ja taandareng
Melioranski, Ruth-Helene Tööstuskunstist tootedisainini : artikleid 1934–2018 2018 / lk. 287-290 : ill
http://www.ester.ee/record=b4819730*est

85 aastat Eesti Masinatööstuse Liitu
Kulu, Priit Eesti Masinatööstuse Liit. TTÜ mehaanika ja tööstustehnika instituut 85 2021 / lk. 33-36

Kaidi Nõmmela doktoritöö ulatab Eesti merenduspoliitika kujundajatele abikäe
logistikauudised.ee 2023 TalTechi doktoritöö pakub suuniseid Eesti merendussektori arenguks Kaidi Nõmmela doktoritöö ulatab Eesti merenduspoliitika kujundajatele abikäe https://www.ester.ee/record=b5552865*est https://digikogu.taltech.ee/et/Item/4f531464-c595-4b68-88e7-bf6419442940

Kas parkimiskoha laius on Eesti liiklusohutuse põhiprobleem?
Antov, Dago Postimees 2018 / lk. 15 Dago Antov: kas parkimiskoha laius on Eesti liiklusohutuse põhiprobleem?

Kas saaste vähendamiseks peaks sõidukite kiirust piirama rohkem?
Soopan, Ivar Autoleht 2023 https://www.ester.ee/record=b1240587*est

Kas Tesla fenomenist on Eestil midagi õppida?
Sell, Raivo Postimees 2018 / AK, lk. 6-7 https://arvamus.postimees.ee/6437758/raivo-sell-kas-tesla-fenomenist-on-eestil-midagi-oppida

Kassari lahe punavetika (Furcellaria lumbricalis) biomassi töötlusjääkide uudsed rakendused : Keskkonnainvesteeringute Keskuse projekt nr. 11247 [Võrguväljanne]
Kallavus, Urve 2018 https://www.kik.ee/sites/default/files/uuringud/projekti_11247_lopparuanne.pdf

Kasutamata potentsiaal: tööandjad saaksid mõjutada töötajaid kasutama säästvamaid liikumisviise
digi.geenius.ee 2022 Kasutamata potentsiaal: tööandjad saaksid mõjutada töötajaid kasutama säästvamaid liikumisviise

Kasututest munakoortest saaks teha tehisliigeseid
Shukla, Riddhi Hirenkumar novaator.err.ee 2024 Kasututest munakoortest saaks teha tehisliigeseid

Kati Kõrbe ja Jelizaveta Janno : infovoost vaktsiinide tarneahelas [Võrguväljaanne]
Kõrbe, Kati; **Janno, Jelizaveta** err.ee 2020 / fot Kati Kõrbe ja Jelizaveta Janno: infovoost vaktsiinide tarneahelas

Kati Kõrbe: koroona ristumine Suessi kriisiga: puudu on hantlitest ja punasest sibulast
Kõrbe Kaare, Kati Päevaleht 2021 Kati Kõrbe: koroona ristumine Suessi kriisiga: puudu on hantlitest ja punasest sibulast

Keevisõmbluste mittepurustav katsetamine [Võrguteavik] : ultraheliga katsetamine. Meetodid, katsetasemed ja hindamine = Non-destructive testing of welds : ultrasonic testing. Techniques, testing levels, and assessment (ISO 17640:2018)
2018 https://www.ester.ee/record=b5189262*est

Keevitajate kvalifitseerimise katse [Võrguteavik] : sulakeevitus. Osa 1, Terased = Qualification testing of welders : fusion

welding. Part 1, Steels (ISO 9606-1:2012 including Cor 1:2012 and Cor 2:2013) / Eesti Standardikeskus
2017 http://www.ester.ee/record=b4741221*est

Keevitamine ja külgnevad protsessid [Võrguteavik] : keevitusasendid = Welding and allied processes : welding positions (ISO 6947:2019)
2019 https://www.ester.ee/record=b5287657*est

Keevitamine ja seonduvad protsessid [Võrguteavik] : sõnastik. Osa 1, Üldterminid = Welding and allied processes : vocabulary. Part 1, General terms (ISO/TR 25901-1:2016
2021 https://www.ester.ee/record=b5368695*est

Keevitamine [Võrguteavik] : metallmaterjalide tihvtkaarkeevitus = Welding : arc stud welding of metallic materials (ISO 14555:2017)
2021 https://www.ester.ee/record=b5455705*est

Keevitamine, kõvajoodisjootmine, pehmejoodisjootmine ja termolõikamine : protsesside nomenklatuur ja viitenumbrid = Welding, brazing, soldering and cutting : nomenclature of processes and reference numbers (ISO 4063:2023)
2024 https://www.ester.ee/record=b5682835*est

Keevitus ja külgnevad protsessid [Võrguteavik] : tingmärkidega tähistamine joonistel. Keevisliited = Welding and allied processes : symbolic representation on drawings. Welded joints (ISO 2553:2019)
2019 https://www.ester.ee/record=b5234002*est

Keevitus [Võrguteavik] : juhised eelkuumutustemperatuuri, läbimitevahelise temperatuuri ja eelkuumutuse hoidmistemperatuuri mõõtmiseks = Welding : guidance on the measurement of preheating temperature, interpass temperature and preheat maintenance temperature (ISO 13916:2017)
2017 http://www.ester.ee/record=b4768949*est

Keevitustehnoloogia. 2
Laansoo, Andres 2021 https://www.ester.ee/record=b5461458*est https://digikogu.taltech.ee/et/Item/f0d6a441-2451-402f-bade-cebd9a426305

Kermiste mikrostruktuur
Kolnes, Märt; **Tarraste, Marek** Horisont 2017 / lk. 20-21 : ill http://www.ester.ee/record=b1072243*est https://artiklid.elnet.ee/record=b2819541*est

Kes tulid TTÜsse õppima? Aga kes ei tulnud?
Veinthal, Renno; **Voll, Hendrik** Mente et Manu 2017 / lk. 18-21 : ill https://www.ttu.ee/public/m/mente-et-manu/MM_05_2017/mobile/index.html https://artiklid.elnet.ee/record=b2827001*est

Kinetic highlights of the reduction of silver tungstate by Mg + C combined reducer
Zakaryan, Marieta; Nazaretyan, Khachik; **Aydinyan, Sofiya**; Kharatyan, Suren Metals 2022 / art. 1000 https://doi.org/10.3390/met12061000 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Kiri disainieelsest Eestist
Pärn, Martin Tööstuskunstist tootedisainini : artikleid 1934–2018 2018 / lk. 122-125 : ill http://www.ester.ee/record=b4819730*est

Knowledge based decision making in mechanical workshops
Kruuser, Kaarel; **Riives, Jüri**; **Kiolein, Indrek** Proceedings of the 32nd International DAAAM Virtual Symposium "Intelligent Manufacturing & Automation" 2021 / p. 0514-0521 https://doi.org/10.2507/32nd.daaam.proceedings.074

Knowledge-driven based performance analysis of robotic manufacturing cell for design improvement
Kangru, Tavo; **Mahmood, Kashif**; **Otto, Tauno**; Moor, Madis; **Riives, Jüri** ASME 2020 : International Mechanical Engineering Congress and Exposition, November 16–19, 2020 : Virtual, Online : proceedings 2020 / Paper No: IMECE2020-23541, V006T06A032 ; 8 p https://doi.org/10.1115/IMECE2020-23541

Kohalike teede liiklussageduse kaudse hindamise meetod
Kubjas, Ardo; **Antov, Dago** Acta architecturae naturalis = Maastikuarhitektuurseid uurimusi 2019 / lk. 1-14 : ill., kaardid https://www.ester.ee/record=b5183441*est https://www.maastikuarhitektuur.ee/acta/article/view/71/62

3D-prinditud koerad, majad ja autod – kuidas aitab printimine keskkonda päästa?
aripaev.ee 2023 3D-prinditud koerad, majad ja autod – kuidas aitab printimine keskkonda päästa?

3D-printer on tööstuses muutumas sama tavaliseks kui klassikaline paberiprinter
Tööstus : [ajalehe Eesti Päevaleht lisa] 2023 / Lk. 20-23 https://www.ester.ee/record=b4750061*est

3D-printer on tööstuses muutumas sama tavaliseks kui klassikaline paberiprinter
Aunap, S. Tööstus : [ajalehe Eesti Päevaleht lisa] 2023 / Lk. 20-22 https://www.ester.ee/record=b4750061*est

30 aastat tööl : skeem = 30 years at work : scheme
Pärn, Martin Maja : Eesti arhitektuuri ajakiri = Estonian architectural review 2021 / lk. 66-67 http://www.ester.ee/record=b1072550*est

Koostöö raamistik ühiste õppemoodulite arendamiseks koostöös ettevõtjatega ning väliskõrgkoolidega [Võrguväljaanne]
Nõuakas, Kati; **Ševtšenko, Eduard**; Kallas, Oliver; Murumaa, Lea Tallinna Tehnikakõrgkooli Toimetised 2020 / Lk. 22−27 https://issuu.com/tktk8/docs/tktkoppejoududetoimetised_26_2020_vol1

Kriisi lõppu ei oska keegi ennustada
Janno, Jelizaveta Äripäev 2020 / Lk. 27 https://www.ester.ee/record=b2122331*est

Kriisiaja logistikat robotiga ei juhi
Tramm, Tõnu Transport ja Logistika 2020 "logistikauudised"

Kriitilised toorained mõjutavad auto arengut
Kübarsepp, Jakob Postimees 2023 / Lk. 8 https://dea.digar.ee/article/postimees/2023/12/02/9.3

Kristo Karjust: robot ja inimene töötagu koos!
Karjust, Kristo Tööstus : [ajalehe Eesti Päevaleht lisa] 2023 / Lk. 12 https://www.ester.ee/record=b4750061*est

Kristo Karjust: tööstuse uued suunad on inimkeskne tootmine ja tehnoloogia
Karjust, Kristo arileht.delfi.ee 2025 https://arileht.delfi.ee/artikkel/120372393/kristo-karjust-toostuse-uued-suunad-on-inimkeskne-tootmine-ja-tehnoloogia

Kuhu kadus tasuta buss?
Karnau, Andrus postimees.ee 2024 Kuhu kadus tasuta buss?

Kuidas saaks töötajaid suunata auto asemel eelistama kondimootorit?
Kärner-Rebane, Katrin teadus.postimees.ee 2023 Kuidas saaks töötajaid suunata auto asemel eelistama kondimootorit?

Kuidas selja sirgu saab? Insenerid ja arstid arendasid välja nutikorseti!
Vill, Ants director.ee 2022 https://director.ee/2022/07/14/kuidas-selja-sirgu-saab-insenerid-ja-arstid-arendasid-valja-nutikorseti/

Kuidas teemaksu haaret laiendada?
Lill, Inga; **Antov, Dago** Äripäev 2018 / lk. 4-5 https://dea.digar.ee/article/aripaev/2018/01/10/6.1

Kunagi pole hilja: 50aastane mees läks ülikooli õppima logistikat
Tramm, Tõnu aripaev.ee 2025 https://www.aripaev.ee/saated/2025/06/11/kunagi-pole-hilja-50aastane-mees-laks-ulikooli-oppima-logistikat

Kus häda kõige suurem, seal robot kõige lähem
Kuts, Vladimir Trialoog 2025 https://trialoog.taltech.ee/kus-hada-koige-suurem-seal-robot-koige-lahem/

Kutsestandard : liikuvusinsener, tase 6 [Võrguväljaanne]
2018 https://www.kutseregister.ee/ctrl/et/Standardid/exportPdf/10722384/

Kutsestandard : liikuvusinsener, tase 7 [Võrguväljaanne]
2018 https://www.kutseregister.ee/ctrl/et/Standardid/exportPdf/10722406/

Kutsestandard : logistik, tase 5 [Võrguväljaanne]
2017 https://www.kutsekoda.ee/et/kutseregister/kutsestandardid/10632293/pdf/logistik-tase-5.4.et.pdf

Kutsestandard : logistikajuht, tase 6 [Võrguväljaanne]
2017 https://www.kutsekoda.ee/et/kutseregister/kutsestandardid/10670209/pdf/logistikajuht-tase-6.6.et.pdf

Kutsestandard : logistiku abi, tase 4 [Võrguväljaanne]
2016 http://www.kutsekoda.ee/et/kutseregister/kutsestandardid/10626652/pdf/logistiku-abi-tase-4.3.et.pdf

Kutsestandard : veokorraldaja-logistik, tase 4 [Võrguväljaanne]
2017 https://www.kutsekoda.ee/et/kutseregister/kutsestandardid/10632262/pdf/veokorraldajalogistik-tase-4.7.et.pdf

Kõige kõrgema palgaga insenerialadel on ka suurim töökäte puudus
Annus, Ivar; **Sergejev, Fjodor**; **Voll, Hendrik** postimees.ee 2024 Kõige kõrgema palgaga insenerialadel on ka suurim töökäte puudus

Kõigel on hind ehk kui palju kiiruseületamine tegelikult maksma läheb?
postimees.ee 2023 Kõigel on hind ehk kui palju kiiruseületamine tegelikult maksma läheb?

Kõrgharidus Eestis - visioon ja võimalused
Kübarsepp, Jakob Postimees 2021 / Lk. 8 https://dea.digar.ee/publication/postimees "Kõrgharidus Eestis - visioon ja võimalused"

Lahkus masinatööstuse grand old man Aleksei Hõbemägi
Kulu, Priit toostusuudised.ee 2021 "Lahkus masinatööstuse grand old man Aleksei Hõbemägi"

Language of driving for autonomous vehicles
Kalda, Krister; **Pizzagalli, Simone Luca**; **Soe, Ralf-Martin**; **Sell, Raivo**; **Bellone, Mauro** Applied sciences 2022 / art. 5406 https://doi.org/10.3390/app12115406 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Laser additive manufacturing of nano-TiC particles reinforced CoCrFeMnNi high-entropy alloy matrix composites with high strength and ductility
Chen, Hongyi; Lu, Twen; **Prashanth, Konda Gokuldoss**; Kosiba, Konrad Materials Science and Engineering : A 2022 / art. 142512 https://doi.org/10.1016/j.msea.2021.142512 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Laser hybrid wire arc additive manufacturing for fabricating thin sections
Singh, Shalini; Jinoop, Arackal Narayanan; Tarun Kumar, Gorlea Thrinadh Ananthvenkata; Shukla, Ashish; Palani, Iyamperumal Anand; Resnina, Natalia; Paul, Christ Prakash; **Prashanth, Konda Gokuldoss** Transactions of the Indian National Academy of Engineering 2022 / p. 175–183 : ill https://doi.org/10.1007/s41403-021-00258-3

Laser powder-bed fusion of ceramic particulate reinforced aluminum alloys: a review
Minasyan, Tatevik; **Hussainova, Irina** Materials 2022 / art. 2467 https://doi.org/10.3390/ma15072467 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Laser powder-bed fusion of Mo(Si,Al)2 – based composite for elevated temperature applications
Minasyan, Tatevik; **Ivanov, Roman**; Toyserkani, Ehsan; **Hussainova, Irina** Journal of alloys and compounds 2021 / art. 161034 https://doi.org/10.1016/j.jallcom.2021.161034 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Laskemoonalao riskianalüüsi metoodika väljatöötamine fiktiivse lao näitel
Tomberg, Tõnu; Järviste, Raul; **Kirs, Maarjus**; **Strazdin, Aleks**; **Eensoo, Siim** Sõjateadlane = Estonian journal of military studies 2019 / lk. 58-80 : ill https://artiklid.elnet.ee/record=b2876205*est

Lattice of MoSi2/Si3N4 by selective laser melting
Minasyan, Tatevik; **Liu, Le**; **Aydinyan, Sofiya**; **Kollo, Lauri**; **Aghayan, Marina**; **Hussainova, Irina** European Powder Metallurgy Association : proceedings : 14 – 18 October 2018, Bilbao, Spain 2018 / art. 3993050 [USB] https://www.epma.com/publications/euro-pm-proceedings/product/euro-pm2018-proceedings-usb

Layered functionally graded alumina ceramic composites
Drozdova, Maria; **Ivanov, Roman**; Rodriguez, Miguel Angel; **Hussainova, Irina** ECerS 2017 : 15th Conference & Exhibition of the European Ceramic Society, July 9–13, 2017, Budapest, Hungary : Book of abstracts 2017 / p. 227 https://static.akcongress.com/downloads/ecers/ecers2017-abstract-book.pdf

Layered structure of alumina/graphene-augmented-inorganic-nanofibers with directional electrical conductivity
Saffarshamshirgar, Ali; **Rojas Hernandez, Rocio Estefania**; **Mikli, Valdek**; **Karppinen, Maarit**; **Hussainova, Irina** Carbon 2020 / p. 634-645 https://doi.org/10.1016/j.carbon.2020.06.038 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Layout planning and analysis of a Flexible Manufacturing System based on 3D Simulation and Virtual Reality
Mahmood, Kashif; **Otto, Tauno**; Chakraborty, A. Procedia CIRP 2023 / p. 201-206 https://doi.org/10.1016/j.procir.2023.08.036 Conference proceedings at Scopus Article at Scopus

Lean automation for low-volume manufacturing environment
Karaulova, Tatjana; Andronnikov, Konstantin; **Mahmood, Kashif**; **Ševtšenko, Eduard** Proceedings of the 30th International DAAAM Symposium : Intelligent Manufacturing & Automation, 23-26th October 2019, Zadar, Croatia 2019 / p. 0059-0068 : ill https://doi.org/10.2507/30th.daaam.proceedings.008

Learning content revisited : basis for creating a system of educational (pedagogical) activities
Rüütmann, Tiia; Läänemets, Urve; Kaja, Kadi Towards a hybrid, flexible and socially engaged higher education : proceedings of the 26th international conference on interactive collaborative learning (icl2023), volume 4 2024 / p. 342-352 https://doi.org/10.1007/978-3-031-53022-7_9 Conference proceedings at Scopus Article at Scopus Article at WOS

Learning in the Age of Digital and Green Transition : Proceedings of the 25th International Conference on Interactive

Collaborative Learning (ICL2022), Volume 1
2023 https://doi.org/10.1007/978-3-031-26876-2

Learning in the Age of Digital and Green Transition : Proceedings of the 25th International Conference on Interactive Collaborative Learning (ICL2022), Volume 2
2023 https://doi.org/10.1007/978-3-031-26190-9

Lessons from the EU-Russia sanctions 2014-2015
Veebel, Viljar; **Markus, Raul** Baltic journal of law & politics 2015 / p. 165-194 : ill https://doi.org/10.1515/bjlp-2015-0015 Journal metrics at Scopus Article at Scopus

Level 4 commercial autonomous vehicle control system transition to an open-source solution
Pikner, Heiko; **Sell, Raivo**; **Malayjerdi, Ehsan** Proceedings of the Estonian Academy of Sciences 2024 / p. 124-133 https://doi.org/10.3176/proc.2024.2.05

LiDAR-camera fusion based object segmentation in adverse weather conditions for autonomous driving
Gu, Junyi; Lind, Artjom; **Bellone, Mauro** AIP Conference Proceedings 2023

Lidar-camera semi-supervised learning for semantic segmentation
Caltagirone, Luka; **Bellone, Mauro**; Svensson, Lennart; Wahde, Mattias; **Sell, Raivo** Sensors 2021 / art. 4813 https://doi.org/10.3390/s21144813 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Lifetime Achievement in Science go to Jakob Kübarsepp and Raivo Uibo
news.err.ee 2024 Lifetime Achievement in Science go to Jakob Kübarsepp and Raivo Uibo

Light-induced strain and its correlation with the optical absorption at charged domain walls in polycrystalline ferroelectrics
Rubio-Marcos, Fernando; Pamies, Paula; Del Campo, Adolfo; Tiana, Jordi; Ordonez-Pimentel, Jonathan; Venet, Michel; **Rojas Hernandez, Rocio Estefania**; Ochoa, Diego A.; Fernandez, Jose F.; García, Jose E. Applied materials today 2023 / art. 101838 https://doi.org/10.1016/j.apmt.2023.101838 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Lightweight 3D printed Ti6Al4V-AlSi10Mg hybrid composite for impact resistance and armor piercing shielding
Rahmani Ahranjani, Ramin; **Antonov, Maksim**; Brojan, Miha Journal of materials research and technology 2020 / p. 13842-13854 : ill https://doi.org/10.1016/j.jmrt.2020.09.108 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ligipääsetavuse muutused autostunud Eestis
Tuvikene, Tauri; Rehema, Merlin; **Antov, Dago** Linnastunud ühiskonna ruumilised valikud 2020 / lk. 84-95 : ill https://www.ester.ee/record=b5362642*est

Liiklejate ummikutest välja toomiseks ei piisa ühest võluvitsast
Liiva, Siiri Logistika : [ajalehe Eesti Päevaleht lisa] 2019 / Lk. 12-18 https://www.ester.ee/record=b2446309*est

Liiklus ilma juhtideta
Trialoog 2025 https://trialoog.taltech.ee/liiklus-ilma-juhtideta/

Liikluseksperт: eakad autojuhid pole noortest ohtlikumad
Antov, Dago novaator.err.ee 2024

Liiklusrikkujate veapunktisüsteem on jäänud kalevi alla
Voltri, Johannes err.ee 2023 Liiklusrikkujate veapunktisüsteem on jäänud kalevi alla

Liiklusuuring : 20 aasta pärast tuleb istuda Pirita teel ummikus kaks korda kauem [Võrguväljaanne]
Ojamets, Indrek novaator.err.ee 2020 / fot Liiklusuuring: 20 aasta pärast tuleb istuda Pirita teel ummikus kaks korda kauem

Liikumiskeskkonna areng Tallinnas : väljakutse ühistranspordile = Development of mobility environment in Tallinn : a challenge for public transport
Noorkõiv, Rivo; **Antov, Dago** Eesti statistika kvartalikiri = Quarterly bulletin of statistics Estonia 2016 / lk. 116-141 : ill http://www.ester.ee/record=b2479604*est http://www.stat.ee/valjaanne-2016_eesti-statistika-kvartalikiri-3-16

Linear patterning of high entropy alloy by additive manufacturing
Karimi, Javad; Ma, P.; Ji, Y.D.; **Prashanth, Konda Gokuldoss** Manufacturing letters 2020 / p. 9-13 : ill https://doi.org/10.1016/j.mfglet.2020.03.003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Linnamööblist
Pärn, Martin Tööstuskunstist tootedisainini : artikleid 1934–2018 2018 / lk. 313-314 : ill http://www.ester.ee/record=b4819730*est

Logistical costs minimization for delivery of shot lots by using logistical information systems
Makarova, Irina; Shubenkova, Ksenia; **Pashkevich, Anton** Procedia engineering 2017 / p. 330-339 : ill https://doi.org/10.1016/j.proeng.2017.01.059 Conference proceedings at Scopus Article at Scopus Article at WOS

Logistics systems engineer - interdisciplinary competence model for modern education
Niine, Tarvo; **Koppel, Ott** International journal of engineering pedagogy 2015 / p. 54-63 http://dx.doi.org/10.3991/ijep.v5i2.4578

Logistika kui süsteem
Janno, Jelizaveta Ekspedeerija käsiraamat [Võrguteavik] 2016 / lk. 119-133 : joon http://eprints.tktk.ee/2534/7/Ekspedeerija%20kasiraamat_2016%20%2815.11%29.pdf

Logistika on vaktsineerimise pudelikael
Kõrbe, Kati Postimees 2020 / Lk. 15 : portr https://dea.digar.ee/article/postimees/2020/12/07/13.6 Kati Kõrbe: logistika on väljakutseks vaktsineerimise korraldamisel

Logistikasektorit ootavad ees suured muutused
Janno, Jelizaveta Transport ja Logistika 2020 "logistikauudised"

Longitudinal wave propagation in axially graded Raylegh–Bishop nanorods
Arda, Mustafa; **Majak, Jüri**; **Mehrparvar, Marmar** Mechanics of composite materials 2024 / p. 1109-1128 https://doi.org/10.1007/s11029-023-10160-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Loodusest inspireeritud uued komposiitmaterjalid
Antonov, Maksim Horisont 2019 / lk. 16-17 : fot http://www.ester.ee/record=b1072243*est

Loodusseadused kehtivad ka vee all : [TTÜ autotehnika professori Jüri Lavrentjevi sukeldumishuvist]
Lavrentjev, Jüri Mente et Manu 2016 / lk. 16-17 : fot https://artiklid.elnet.ee/record=b2758763*est

Low frequency acoustic method to measure the complex bulk modulus of porous materials
Napolitano, Marialuisa; Di Giulio, Elio; **Auriemma, Fabio** The Journal of the Acoustical Society of America 2022 / art. 1545 https://doi.org/10.1121/10.0009767 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Low-frequency non-reciprocal sound propagation features in thermoacoustic waveguide
Auriemma, Fabio The Journal of the Acoustical Society of America 2024 / p. 314-325 https://doi.org/10.1121/10.0026453 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Lugeja küsib : kas pikem pikivahe päästab Tallinna ummikutest? : [Võrguväljaanne]
Ess, Juri novaator.err.ee 2019 Lugeja küsib: kas pikem pikivahe päästab Tallinna ummikutest?

Machine learning assisted design of high-entropy alloys with ultra-high microhardness and unexpected low density
Zhao, Shunli; Jiang, Bin; Song, Kaikai; Liu, Xiaoming; Wang, Wenyu; Si, Dekun; Zhang, Jilei; Chen, Xiangyan; Zhou, Changshan; Liu, Pingping; Chen, Dong; Zhang, Zequn; Ramasamy, Parthiban; Tang, Junlei; Lv, Wenquan; **Prashanth, Konda Gokuldoss**; Sopu, Daniel; Eckert, Jurgen Materials & design 2024 / art. 112634 https://doi.org/10.1016/j.matdes.2024.112634

Machine learning-based prediction of specific energy consumption for cut-off grinding
Awan, Muhammad Rizwan; Rojas, Hernan A. Gonzalez; **Hameed, Saqib**; Riaz, Fahid; Hamid, Shahzaib; **Hussain, Abrar** Sensors 2022 / art. 7152 https://doi.org/10.3390/s22197152 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Machinery risk assessment integration with design and development methods for risk and potential failure reduction considering safety and efficiency
Sivitski, Alina; **Põdra, Priit** Modern materials and manufacturing 2023 : Tallinn, Estonia, 2-4 May 2023 2024 / art. 030013 https://doi.org/10.1063/5.0189257 Journal metrics at Scopus Article at Scopus

Macroporous silicon-wollastonite scaffold with Sr/Se/Zn/Mg-substituted hydroxyapatite/chitosan hydrogel
Ressler, Antonia; **Kamboj, Nikhil Kumar**; Ledinski, Maja; Rogina, Anamarija; Urlic, Inga; **Hussainova, Irina**; Ivankovic, Hrvoje; Ivankovic, Marica Open Ceramics 2022 / art. 100306 https://doi.org/10.1016/j.oceram.2022.100306 Journal metrics at Scopus Article at Scopus Article at WOS

Madalam sõidukiirus julgustab siia kolima väikeste lastega peresid
Väli, Linda-Mari; Lepassalu, Virkko pealinn.ee 2023 Madalam sõidukiirus julgustab siia kolima väikeste lastega peresid

Magnesio-carbothermal reduction of CuWo4/MeO nanostructured precursors & synthesis of W/Cu composite materials
Zakaryan, Marieta; Kirakosyan, Hasmik; Abovyan, L.; **Aydinyan, Sofiya**; Kharatyan, Suren Chemical Journal of Armenia 2017 / p. 450-461 http://chemistry.asj-oa.am/id/eprint/7826

Maksusüsteem vajab muutmist, mitte peenhäälestamist : [vestlusring maksude teemal]
Vare, Tõnis; Meybaum, Hallar; **Ploompuu, Triin** TööstusEST 2016 / lk. 18-22 : fot https://artiklid.elnet.ee/record=b2768508*est

Managing human factors related risks. The advanced training model in dangerous goods transport on roads
Janno, Jelizaveta; **Koppel, Ott** International journal of engineering pedagogy 2018 / p. 70–88 : ill
http://dx.doi.org/10.3991/ijep.v8i4.8150

Manufacturability and deformation studies on a novel metallic lattice structure fabricated by Selective Laser Melting
Baskaran, Jagadeesh; Muthukannan, Duraiselvam; **Shukla, Riddhi Hirenkumar**; **Prashanth, Konda Gokuldoss** Vacuum 2024 / art. 113065 https://doi.org/10.1016/j.vacuum.2024.113065

Manufacturing of silicon – Bioactive glass scaffolds by selective laser melting for bone tissue engineering
Rodrigo-Vazquez, C. Sara; **Kamboj, Nikhil Kumar**; Aghayan, Marina; Saez, Ada; De Aza, Antonio de; Rodriguez, Miguel Angel; **Hussainova, Irina** Ceramics international 2020 / p. 26936-26944 : ill https://doi.org/10.1016/j.ceramint.2020.07.171 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mari Jüssi: Punased rattarajad on kasvatanud ratturite arvu kahekordseks
Pealinn 2023 / Lk. 16 https://dea.digar.ee/article/pealinn/2023/02/13/13.2

Maritime Fleet-Based 5G Network Extension : A Model for Cross-border Coastal Applications
Pilvik, Riivo; **Jairus, Tanel**; **Kõrbe Kaare, Kati**; Sadam, Arvi; Gentili, Andrea; **Nõmmela, Kaidi** 2024 IEEE Future Networks World Forum (FNWF) 2024 / p. 855-860 https://doi.org/10.1109/FNWF63303.2024.11028827

Maritime policy design framework with ESG Performance Approach : case of Estonia
Nõmmela, Kaidi; **Kõrbe Kaare, Kati** Economies 2022 / art. 88, 15 p. : ill https://doi.org/10.3390/economies10040088 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mart Viljus : [CV ja fotod]
Viljus, Mart; Linnap, Peeter Eesti foto antoloogia. II köide, 1940 kuni 2010 = Anthology of Estonian photography. Volume II, from 1940 to 2010 2021 / lk. 1006-1013 : portr., fot https://www.ester.ee/record=b5386803*est

Marti Arak : TTÜ Robotex peab 2020. aastaks saama maailma suurimaks robotivõistluseks!
Arak, Marti Mente et Manu 2016 / lk. 30-33 : fot https://artiklid.elnet.ee/record=b2767554*est

Martin Pärn: "Disaineri roll on olla initsiaator, kuraator ja vahendaja."
Pärn, Martin Diivan 2020 / lk. 32-36 : fot https://www.ester.ee/record=b1923536*est

Masinate ohutus [Võrguteavik] : ootamatu käivitumise vältimine = Safety of machinery : prevention of unexpected start-up (ISO 14118:2017)
2022 https://www.ester.ee/record=b5485912*est

Masinatööstuse erialaliidud Eestis (EML 80)
Hõbemägi, Aleksei; **Kulu, Priit**; **Riives, Jüri** Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80 2016 / lk. 16-25 : ill

Masinatööstuse liit - pea sajand kogemust
Tamm, Kadri TööstusEST 2016 / lk. 14-15 : fot https://artiklid.elnet.ee/record=b2768503*est

Massive transformation in dual-laser powder bed fusion of Ti6Al4V alloys
Karimi, Javad; Zhao, Chao; **Prashanth, Konda Gokuldoss** Journal of Manufacturing Processes 2024 / p. 282-292 : ill https://doi.org/10.1016/j.jmapro.2024.03.083 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Material characterization for laminated glass composite panel
Väer, Kaur; Anton, Johan; **Klauson, Aleksander**; **Eerme, Martin**; **Õunapuu, Erko**; Tšukrejev, Pavel Journal of achievements in materials and manufacturing engineering 2017 / p. 11-17 https://doi.org/10.5604/01.3001.0010.2032 Journal metrics at Scopus Article at Scopus

Material recycling and improvement issues in additive manufacturing
Mägi, Piret; **Krumme, Andres**; **Pohlak, Meelis** Proceedings of the 10th International Conference of DAAAM Baltic Industrial Engineering, 12-13th May 2015, Tallinn, Estonia 2015 / p. 63-68 : ill

Materjalitehnika instituudi doktorandid külastasid Uddeholmi
Mente et Manu 2017 / lk. 40-41 : fot http://www.ttu.ee/public/m/mente-et-manu/MM_01_2017/index.html

A mathematical model for abrasive erosion wear in composite Fe-based matrix with WC-Co reinforcement
Casesnoves, Francisco; **Surženkov, Andrei** Materials and contact characterisation VIII 2017 / p. 99-111 : ill

https://doi.org/10.2495/MC170101 Conference proceedings at Scopus Article at Scopus

Mathematical modelling and optimization of erosion and corrosion in tribology = Erosiooni ja korrosiooni matemaatiline modelleerimine ja optimeerimine triboloogias
Casesnoves, Francisco 2018 https://digi.lib.ttu.ee/i/?11175 https://www.ester.ee/record=b5175834*est

Mathematical models in biotribology with 2D-3D erosion integral-differential model and computational-optimization/simulation programming - a mathematical model construction based on experimental research
Casesnoves, Francisco; **Surženkov, Andrei** International journal of scientific research in computer science, engineering and information technology 2017 / p. 329-356 : ill http://ijsrcseit.com/CSEIT17224010

Mathematical models in mechanical and biomedical tribology with computational simulations/optimization methods
Casesnoves, Francisco; **Surženkov, Andrei** International journal of scientific research in computer science, engineering and information technology 2017 / p. 62-89 : ill http://ijsrcseit.com/CSEIT17211

Maximizing the degree of rejuvenation in metallic glasses
Yuan, Xudong; Sopu, Daniel; Spieckermann, Florian C.; Song, Kaikai; Ketov, Sergey V.; **Prashanth, Konda Gokuldoss**; Eckert, Juergen H. Scripta Materialia 2022 / art. 114575 https://doi.org/10.1016/j.scriptamat.2022.114575 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanical and tribological properties of 100-nm thick alumina films prepared by atomic layer deposition on Si(100) substrates
Alamgir, Asad; **Bogatov, Andrei**; **Yashin, Maxim**; **Podgurski, Vitali** Proceedings of the Estonian Academy of Sciences 2019 / p. 126-130 : ill https://doi.org/10.3176/proc.2019.2.01 http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-126-130.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanical and tribological behavior of gravity and squeeze cast novel Al-Si alloy
Chandra, Vadlamudi Srinivasa; Sivaprasad, Katakam; Dhanasekaran, Subramaniam; **Prashanth, Konda Gokuldoss** Metals 2022 / art. 194 https://doi.org/10.3390/met12020194

Mechanical behavior of Ti6Al4V scaffolds filled with CaSiO3 for implant applications
Rahmani Ahranjani, Ramin; **Antonov, Maksim**; **Kollo, Lauri**; **Holovenko, Yaroslav**; **Prashanth, Konda Gokuldoss** Applied sciences 2019 / art. 3844, 11 p. : ill https://doi.org/10.3390/app9183844 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanical properties and microstructural evolution of Ti-25Nb-6Zr alloy fabricated by spark plasma sintering at different temperatures
Zhu, Qing; Chen, Peng; Xiao, Qiushuo; Li, Fengxian; Yi, Jianhong; **Prashanth, Konda Gokuldoss**; Eckert, Jürgen Metals 2022 / art. 1824 https://doi.org/10.3390/met12111824 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanical properties and self-healing capacity of ultra high performance fibre reinforced concrete with alumina nano-fibres : tailoring ultra high durability concrete for aggressive exposure scenarios
Cuenca, Estefania; D'Ambrosio, Leonardo; Lizunov, Dennis; **Tretjakov, Aleksei**; **Volobujeva, Olga**; Ferrara, Liberato Cement and concrete composites 2021 / art. 103956, 17 p https://doi.org/10.1016/j.cemconcomp.2021.103956 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanical properties of two novel non-equiatomic Zr-Hf-Ti-Cu-Ni-Co-Al High Entropy Alloys with high glass forming ability
Gonzalez, Sergio; Wurster, Stefan; Garay-Reyes, Carlos Gamaliel; Hurtado-Macias, Abel; Ramasamy, Parthiban; Oleszak, Dariusz; Gammer, Christoph; **Prashanth, Konda Gokuldoss**; Martinez-Garcia, Alfredo; Eckert, Juergen H.; Martinez-Sanchez, Roberto Journal of alloys and compounds 2025 / art. 180196 https://doi.org/10.1016/j.jallcom.2025.180196

Mechanical properties, microstructure, and actuation behavior of wire arc additive manufactured nitinol : titanium bimetallic structures
Singh, Shalini; Demidova, Elena; Resnina, Natalia; Belyaev, Sergey; Palani, Iyamperumal Anand; Paul, Christ Prakash; Kumar, Ajit; **Prashanth, Konda Gokuldoss** 3D Printing and Additive Manufacturing 2024 / p. 143 - 151 https://doi.org/10.1089/3dp.2021.0324 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanism of high-pressure torsion-induced shear banding and lamellar thickness saturation in Co-Cr-Fe-Ni-Nb high-entropy composites
Maity, Tapabrata; **Prashanth, Konda Gokuldoss**; Janda, Alexander Journal of materials research 2019 / p. 2672-2682 : ill https://doi.org/10.1557/jmr.2019.149 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The mechanism of joint reduction of MoO3 and CuO by combined Mg/C reducer at high heating rates
Kirakosyan, Hasmik; Nazaretyan, Khachik; **Aydinyan, Sofiya**; Kharatyan, Suren Journal of composites science 2021 / art. 318, 20 p. : ill https://doi.org/10.3390/jcs5120318 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mechanisms controlling fracture toughness of additively manufactured stainless steel 316L
Kumar, Deepak; Jhavar, Suyog; Arya, Abhinav; **Prashanth, Konda Gokuldoss**; Suwas, Satyam International journal of fracture 2022 / p. 61-78 https://doi.org/10.1007/s10704-021-00574-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mehaanika ja tööstustehnika instituut
Karjust, Kristo; **Kulu, Priit** Eesti Masinatööstuse Liit. TTÜ mehaanika ja tööstustehnika instituut 85 2021 / lk. 53-73 : ill., fot

Mehaanika ja tööstustehnika instituut
2018 https://www.ester.ee/record=b5730696*est

Mehaanikainseneri käsiraamat
Gomeringer, Roland; Heinzler, Max; Kilgus, Roland 2022 https://www.ester.ee/record=b5469119*est

Mesoporous fibrous silicon nitride by catalytic nitridation of silicon
Minasyan, Tatevik; **Liu, Le**; Aghayan, Marina; Rodriguez, Miguel Angel; **Aydinyan, Sofiya**; **Hussainova, Irina** Progress in natural science: materials international 2019 / p. 190-197 : ill https://doi.org/10.1016/j.pnsc.2019.03.017 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mesoporous fibrous silicon nitride by catalytic nitridation of silicon and selective laser melting
Minasyan, Tatevik; **Liu, Le**; **Aydinyan, Sofiya**; **Hussainova, Irina** XVI Conference and Exhibition Of The European Ceramic Society : abstract book 2019 / p. 80

Metal-coated cenospheres obtained via magnetron sputter coating : a new precursor for syntactic foams
Shishkin, A.; **Hussainova, Irina**; Kozlov, V.; Lisnanskis, M.; Leroy, P.; Lehmhus, D. JOM : the journal of the minerals, metals & materials society 2018 / p. 1319-1325 : ill https://doi.org/10.1007/s11837-018-2886-0 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Metalli raiskamine on kallis lõbu : katselabor aitab kehvast materjalist praaktoodangu juba eos välistada
Alvela, Ain postimees.ee 2023 Metalli raiskamine on kallis lõbu: katselabor aitab kehvast materjalist praaktoodangu juba eos välistada

Metallic coatings through additive manufacturing: a review
Mohanty, Shalini; **Prashanth, Konda Gokuldoss** Materials 2023 / art. 2325 : ill https://doi.org/10.3390/ma16062325 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Metallid - materjaliringluse liidrid
Kübarsepp, Jakob Postimees 2024 / Lk. 8 https://dea.digar.ee/article/postimees/2024/02/10/11.3

Metallide keevitusprotseduuride spetsifitseerimine ja kvalifitseerimine [Võrguteavik] : keevitusprotseduuri katse. Osa 1, Teraste kaar- ja gaaskeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials : welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2017, Corrected version 2017-10-01+ISO 15614-1:2017/Amd 1:2019)
2019 https://www.ester.ee/record=b5272359*est

Metallide keevitusprotseduuride spetsifitseerimine ja kvalifitseerimine [Võrguteavik] : üldreeglid = Specification and qualification of welding procedures for metallic materials : general rules (ISO 15607:2019)
2019 https://www.ester.ee/record=b5295429*est

Metallide sulakeevituse kvaliteedinõuded. Osa 1, Sobiva kvaliteedinõuete taseme valiku kriteeriumid [Võrguteavik] = Quality requirements for fusion welding of metallic materials. Part 1, Criteria for the selection of the appropriate level of quality requirements (ISO 3834-1:2021)
2021 https://www.ester.ee/record=b5467471*est

Metallide sulakeevituse kvaliteedinõuded. Osa 2, Laialdased kvaliteedinõuded [Võrguteavik] = Quality requirements for fusion welding of metallic materials. Part 2, Comprehensive quality requirements (ISO 3834-2:2021)
2021 https://www.ester.ee/record=b5435693*est

Metallide sulakeevituse kvaliteedinõuded. Osa 3, Standardsed kvaliteedinõuded [Võrguteavik] = Quality requirements for fusion welding of metallic materials. Part 3, Standard quality requirements (ISO 3834-3:2021)
2021 https://www.ester.ee/record=b5436439*est

Metallide sulakeevituse kvaliteedinõuded. Osa 4, Elementaarsed kvaliteedinõuded [Võrguteavik] = Quality requirements for fusion welding of metallic materials. Part 4, Elementary quality requirements (ISO 3834-4:2021)
2021 https://www.ester.ee/record=b5436443*est

Metallographic investigation of iron blooms and bars from the smithy site of Käku, Estonia
Saage, Ragnar; Peets, Jüri; **Kulu, Priit**; **Peetsalu, Priidu**; **Viljus, Mart** Fennoscandia archaeologica 2017 / p. 46−58 : ill
https://www.tiedekirja.fi/default/fennoscandia-archaeologica-xxxiv.html Journal metrics at Scopus Article at Scopus

Metal-metal interpenetrating phase composites: A review
Zhang, Zuyao; Wang, Zhi; Zhao, Qizhong; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2024 / art. 176951
https://doi.org/10.1016/j.jallcom.2024.176951

Metalsete materjalide keevisliidete purustav katsetamine [Võrguteavik] : löökpaindekatsed. Katsekehade asukoht, soone asend ja uurimine = Destructive tests on welds in metallic materials : impact tests. Test specimen location, notch orientation and examination (ISO 9016:2012)
2019 https://www.ester.ee/record=b5199009*est

Metalsete materjalide keevisõmbluste purustav katsetamine : keevisõmbluste makroskoopiline ja mikroskoopiline uuring = Destructive tests on welds in metallic materials : macroscopic and microscopic examination of welds (ISO 17639:2022)
2022 https://www.ester.ee/record=b5507297*est

Metalsete materjalide keevisõmbluste purustav katsetamine : löökpaindekatsed. Katsekehade asukoht, soone asend ja uurimine = Destructive tests on welds in metallic materials : impact tests. Test specimen location, notch orientation and examination (ISO 9016:2022)
2024 https://www.ester.ee/record=b5678158*est

Metalsete materjalide keevisõmbluste purustav katsetamine : paindekatse = Destructive tests on welds in metallic materials : bend tests (ISO 5173:2023)
2024 https://www.ester.ee/record=b5678083*est

Metalsete materjalide keevisõmbluste purustav katsetamine : ristsuunalised tõmbekatsed = Destructive tests on welds in metallic materials : transverse tensile test (ISO 4136:2022)
2024 https://www.ester.ee/record=b5678037*est

Metalsete materjalide keevisõmbluste purustav katsetamine [Võrguteavik] : paindekatse = Destructive tests on welds in metallic materials : bend tests (ISO 5173:2009+ISO 5173:2009/Amd 1:2011)
2019 https://www.ester.ee/record=b5225904*est

Metalsete materjalide purustavad katsetused [Võrguteavik] : murdekatse = Destructive tests on welds in metallic materials : fracture test (ISO 9017:2017)
2018 https://www.ester.ee/record=b4780447*est

Methodology for reconfigurable cobot-based quality control system for SME production
Moor, Madis; **Sarkans, Martinš**; **Riives, Jüri**; **Otto, Tauno**; Vano, Jaime Masia International Journal of Engineering and Technology (IJET) 2024 / p. 113-119 https://doi.org/10.7763/IJET.2024.V16.1265

Methodology for the measurement and estimation of pedestrian and cycle traffic at level crossings
Jairus, Tanel; Metlitski, Stanislav; **Kask, Mihkel**; **Kõrbe Kaare, Kati** Proceedings of the Estonian Academy of Sciences 2025 / p. 126-131 https://doi.org/10.3176/proc.2025.2.07

Metroo Tallinnasse? See on võimalik
Raig, Tanel; Antov, Dago LP : [Eesti Päevalehe laupäevaleht] 2024 / lk. 12-14 https://dea.digar.ee/article/lp/2024/04/05/16.1

Micromobility and the next infrastructure wave : SAE Edge™ Research Report
Razdan, Rahul; Alsweiss, Suleiman; Akbas, Mustapha Ilhan; Lynn, Eric; Lynn, Greg; **Sell, Raivo**; Spellman, Lisa; Sturges, Daniel; Taylor, J. W.; Morgen, Dennis 2024 https://doi.org/10.4271/EPR2024022

Microstructural and mechanical behaviour of friction welded SS316L components fabricated by selective laser melting
Dinesh, Lanka; Damodaram, R.; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Materials today communications 2023 / art. 107430 https://doi.org/10.1016/j.mtcomm.2023.107430 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructural evolution and mechanical properties of selective laser melted Ti-6Al-4V induced by annealing treatment
Wang, Pei; Chen, Feng-hua; Eckert, J.; Pilz, S.; Scudino, S.; **Prashanth, Konda Gokuldoss** Journal of Central South University 2021 / p. 1068–1077 : ill https://doi.org/10.1007/s11771-021-4680-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructural evolution and mechanical properties of Ti(C,N)–FeCrMo-based green cermets
Maurya, Himanshu Singh; **Juhani, Kristjan**; **Viljus, Mart**; **Sergejev, Fjodor**; **Kübarsepp, Jakob** Ceramics international 2024 / p. 8695-8705 https://doi.org/10.1016/j.ceramint.2023.12.186 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at

WOS

Microstructural homogenisation of selective laser melted Ti6Al4V and CoCrFeMnNi high-entropy alloys = Selektiivse lasersulatuse teel valmistatud Ti6Al4V ja kõrgentroopse CoCrFeMnNi sulamite mikrostruktuuri homogeniseerimine
Karimi, Javad 2022 https://doi.org/10.23658/taltech.52/2022 https://digikogu.taltech.ee/et/Item/96573682-77a0-4fcb-b5df-b53cc9a3bfeb https://www.ester.ee/record=b5511815*est

Microstructural investigation of ni-based high temperature self-lubricating laser claddings containing sulfides of nickel, copper or bismuth
Kumar, Rahul, 1993-; Torres, Hector; Rodríguez Ripoll, Manel; **Antonov, Maksim**; **Hussainova, Irina** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 31 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Microstructural, mechanical and corrosion behaviour of Al–Si alloy reinforced with SiC metal matrix composite
Bandil, Kapil; Vashisth, Himanshu; Kumar, Sourav; **Singh, Neera** Journal of composite materials 2019 / p. 4215-4223 : ill https://doi.org/10.1177/0021998319856679 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructural, mechanical, corrosion, and biological behavior of spark plasma sintered commercially pure zinc for biomedical applications
Yadav, Mayank Kumar; **Shukla, Riddhi Hirenkumar**; Praveenkumar, K.; Nilawar, Sagar; Perugu, Chandra Sekhar; Sellamuthu, Prabhukumar; Chatterjee, Kaushik; Suwas, Satyam; Jayaraj, Jayamani; **Prashanth, Konda Gokuldoss** Materials advances 2025 https://doi.org/10.1039/D5MA00092K

Microstructure and high temperature tribological behaviour of self-lubricating Ti-TiBx composite doped with Ni-Bi
Kumar, Rahul, 1993-; Torres, Hector; **Aydinyan, Sofiya**; **Antonov, Maksim**; Varga, Markus; Rodrlguez Ripoll, Manel; **Hussainova, Irina** Surface and coatings technology 2022 / art. 128827 https://doi.org/10.1016/j.surfcoat.2022.128827 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and mechanical performances of NiCoFeAlTi high-entropy intermetallic reinforced CoCrFeMnNi high-entropy alloy composites manufactured by selective laser melting
Yang, Hong; Ma, Pan; Zhang, Zhiyu; Xie, Xiaochang; Yang, Ping; Zhang, Han; Jia, Yandong; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2024 / p. 6275-6287 https://doi.org/10.1016/j.jmrt.2024.11.022

Microstructure and mechanical properties of Al–(12-20)Si bi-material fabricated by selective laser melting
Zhang, Shikai; Ma, Pan; Jia, Yandong; Yu, Zhishui; Sokkalingam, Rathinavelu; Shi, Xuerong; Ji, Pengcheng; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Materials 2019 / art. 2126, 11 p. : ill https://doi.org/10.3390/ma12132126 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and mechanical properties of AlCoCrFeMnNi HEAs fabricated by selective laser melting
Ma, Pan; Fang, Yacheng; Wei, Shuimiao; Zhang, Zhiyu; Yang, Hong; Wan, Shiguang; **Prashanth, Konda Gokuldoss**; Jia, Yandong Journal of materials research and technology 2023 / p. 7090-7100 https://doi.org/10.1016/j.jmrt.2023.07.124 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and mechanical properties of HEA alloys fabricated by selective laser melting of powder mixtures
Karimi, Javad; **Prashanth, Konda Gokuldoss** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 24 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Microstructure and mechanical properties of near net shaped aluminium/alumina nanocomposites fabricated by powder metallurgy
Kallip, Kaspar; Babu, N. Kishore; AlOgab, Khaled A.; **Kollo, Lauri**; Maeder, Xavier; Arroyo, Yadira; Leparoux, Marc Journal of alloys and compounds 2017 / p. 133-143 : ill https://doi.org/10.1016/j.jallcom.2017.04.233 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and mechanical properties of NiTi-SS bimetallic structures built using wire arc additive manufacturing
Singh, Shalini; Jinoop, A. N.; Palani, Iyamperumal Anand; Paul, Christ Prakash; Tomar, K. P.; **Prashanth, Konda Gokuldoss** Materials letters 2021 / art. 130499, 4 p. : ill https://doi.org/10.1016/j.matlet.2021.130499 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and mechanical properties of TiB2/Al-5Cu composites fabricated by multi-material laser powder bed fusion
Liang, Zixi; Qi, Junfang; **Prashanth, Konda Gokuldoss**; Kang, Nan; Wang, Pei Optics and laser technology 2025 / art. 111922 https://doi.org/10.1016/j.optlastec.2024.111922

Microstructure and mechanical property of bimodal-size metallic glass particle-reinforced Al alloy matrix composites
Xie, M.S.; Wang, Zhi; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2020 / art. 152317, 6 p. : ill https://doi.org/10.1016/j.jallcom.2019.152317 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and nanoindentation creep behavior of binary Al-Cu alloy synthesized at high pressure
Ma, Pan; Zhang, Zhiyu; Liu, Xiao; Shi, Xuerong; **Prashanth, Konda Gokuldoss**; Jia, Yandong JOM : the journal of the minerals, metals & materials society 2023 / p. 176-183 https://doi.org/10.1007/s11837-022-05545-0 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and physical-mechanical properties evolution of pure tantalum processed with hard cyclic viscoplastic deformation
Kommel, Lembit; **Omranpour Shahreza, Babak**; **Mikli, Valdek** International journal of refractory metals and hard materials 2019 / art. 104983, 10 p. : ill https://doi.org/10.1016/j.ijrmhm.2019.104983 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and properties characterization of polycrystalline Ni-Fe-Cr-basedsuperalloy EP-718E after electric upsetting
Kommel, Lembit Engineering materials and tribology XXV 2017 / p. 467-472 https://doi.org/10.4028/www.scientific.net/KEM.721.467 Conference proceedings at Scopus Article at Scopus

Microstructure and properties of inIsitu high entropy alloy/tungsten carbide composites by mechanical alloying
Sokkalingam, Rathinavelu; **Tarraste, Marek**; Surreddi, Kumar Babu; **Traksmaa, Rainer**; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Material design & processing communications 2020 / 9 p. : ill https://doi.org/10.1002/mdp2.175 Journal metrics at Scopus Article at Scopus

Microstructure and properties that change during hard cyclic visco-plastic deformation of bulk high purity niobium
Kommel, Lembit International journal of refractory metals and hard materials 2019 / p. 10-17 : ill https://doi.org/10.1016/j.ijrmhm.2018.10.009 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and texture evolution during the manufacturing of in situ TiC-NiCr cermet through selective laser melting process
Aramian, Atefeh; Sadeghian, Zohreh; Wan, Di; **Holovenko, Yaroslav**; Razavi, Nima; Berto, Filippo Materials Characterization 2021 / art. 111289, 14 p. : ill https://doi.org/10.1016/j.matchar.2021.111289 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and tribological behavior of Al-12Si – Nano graphene composite fabricated by laser metal deposition process
Yang, Zhilu; Ma, Pan; Zhang, Nan; Yang, Dongye; **Prashanth, Konda Gokuldoss**; Jia, Yandong Journal of materials research and technology 2023 / p. 2311-2322 https://doi.org/10.1016/j.jmrt.2023.10.095 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure and tribological behavior of Fe-based amorphous alloy fabricated by plasma spraying and laser remelting
Ma, Pan; Yang, Zhilu; Fang, Longfei; Zhang, Zhiyu; Fang, Yacheng; Zhang, Nan; **Prashanth, Konda Gokuldoss**; Jia, Yandong Transactions of the Indian Institute of Metals 2023 / p. 1007-1014 https://doi.org/10.1007/s12666-022-02814-z Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure evolution and hot deformation behavior of spray-deposited TiAl alloys
Jia, Yandong; Xu, Long; Ma, Pan; **Prashanth, Konda Gokuldoss** Journal of materials research 2018 / p. 2844-2852 : ill https://doi.org/10.1557/jmr.2018.249 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure evolution and tensile property of high entropy alloy particle reinforced 316 L stainless steel matrix composites fabricated by laser powder bed fusion
Zhang, Xinqi; Yang, Dongye; Jia, Yandong; Wang, Gang; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 171430 https://doi.org/10.1016/j.jallcom.2023.171430 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure evolution of TiC cermets with ferritic AISI 430L steel binder
Kolnes, Märt; **Mere, Arvo**; **Kübarsepp, Jakob**; **Viljus, Mart**; **Maaten, Birgit**; **Tarraste, Marek** Powder metallurgy 2018 / p. 197-209 : ill https://doi.org/10.1080/00325899.2018.1447268 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure formation and mechanical performance of micro-nanoscale ceramic reinforced aluminum matrix composites manufactured by laser powder bed fusion
Xi, Lixia; Feng, Lili; Gu, Dongdong; **Prashanth, Konda Gokuldoss**; Kaban, Ivan; Wang, Ruiqi; Xiong, Ke; Sarac, Baran; Eckert, Jürgen Journal of alloys and compounds 2023 / art. 168803 https://doi.org/10.1016/j.jallcom.2023.168803 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure formation and performance of reactive sintered titanium oxycarbide base ceramic-ceramic composites
Juhani, Kristjan; **Kübarsepp, Jakob**; **Tarraste, Marek**; **Pirso, Jüri**; **Viljus, Mart** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed

papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 131-135 : ill https://www.scientific.net/KEM.799.131 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.131 Conference proceeding at Scopus Article at Scopus

Microstructure, mechanical properties, and corrosion behavior of 06Cr15Ni4CuMo processed by using selective laser melting
Maya, Jayaraman; Sivaprasad, Katakam; Kumar, Guttula Venkata Sarath; Baitimerov, Rustam; Lykov, Pavel; **Prashanth, Konda Gokuldoss** Metals 2022 / art. 1303 https://doi.org/10.3390/met12081303 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microstructure, wear and corrosion characteristics of Cu matrix reinforced SiC–graphite hybrid composites
Jamwal, Anbesh; Prakash, Prem; Kumar, Devendra; **Singh, Neera**; Sadasivuni, Kishor Kumar; Harshit, Kumar; Gupta, Sumit; Gupta, Pallav Journal of composite materials 2019 / p. 2545 - 2553 https://doi.org/10.1177/0021998319832961 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microwave reflectance and transmittance properties of conductive composite materials
Shishkin, Andrei; **Koppel, Tarmo**; Mironov, Viktor; **Hussainova, Irina**; **Locs, Janis**; Haldre, Heldur Energy procedia 2017 / p. 354-361 : ill https://doi.org/10.1016/j.egypro.2017.04.006 Conference proceedings at Scopus Article at Scopus Article at WOS

Microwave synthesis of B4C nanopowder for subsequent spark plasma sintering
Davtyan, D.; Mnatsakanyan, R.A.; **Liu, Le**; **Aydinyan, Sofiya**; **Hussainova, Irina** Journal of materials research and technology 2019 / p. 5823-5832 : ill https://doi.org/10.1016/j.jmrt.2019.09.052 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mida disainib kultuuripoliitika?
Melioranski, Ruth-Helene Tööstuskunstist tootedisainini : artikleid 1934–2018 2018 / lk. 256-260 http://www.ester.ee/record=b4819730*est

Mida millestki teha saaks
Lõhmus, Ants; **Kübarsepp, Jakob** Jakob Kübarsepp : bibliograafia 2017 / lk. 52-63 http://www.ester.ee/record=b4664665*est

Mida toob Euroopa tehnoloogiavaldkonna tippkonverents Manufuture 2017 Tallinna Tehnikaülikoolis
Otto, Tauno Mente et Manu 2017 / lk. 40-41 https://www.ttu.ee/public/m/mente-et-manu/MM_05_2017/mobile/index.html https://artiklid.elnet.ee/record=b2827016*est

Mida tähendab meile neljas tööstusrevolutsioon?
Riives, Jüri; **Otto, Tauno** Mente et Manu 2017 / lk. 44-45 : fot https://www.ttu.ee/public/m/mente-et-manu/MM_05_2017/mobile/index.html https://artiklid.elnet.ee/record=b2827020*est

Mika Salmi: jätkusuutlik tootmine vajab uute pädevustega inimesi
Salmi, Mika digi.geenius.ee 2024 Mika Salmi: jätkusuutlik tootmine vajab uute pädevustega inimesi

Miks 80 km/h on parem kui 90? Piirkiiruse vähendamine hoiaks aastas kokku vähemalt 7 miljonit liitrit kütust
rohe.geenius.ee 2023 Miks 80 km/h on parem kui 90? Piirkiiruse vähendamine hoiaks aastas kokku vähemalt 7 miljonit liitrit kütust

Miks kodumasinad aina vähem vastu peavad? “Probleem on sarnane kiirmoe edukusega.”
digi.geenius.ee 2023 Miks kodumasinad aina vähem vastu peavad? “Probleem on sarnane kiirmoe edukusega.”

Miks soovib Eesti jääda anonüümseks?
Rajangu, Väino Postimees 2017 / lk. 15 https://arvamus.postimees.ee/4184719/ttu-emeriitprofessor-kusib-miks-soovib-eesti-jaada-eli-eesistujana-anonuumseks/comments

Mild steel tribology for circular economy of textile industries
Hussain, Abrar; **Podgurski, Vitali**; **Goljandin, Dmitri**; **Antonov, Maksim**; Basit, Muhammad Abdul; Ahmad, Tahir Tribology in Industry 2021 / p. 552-560 https://doi.org/10.24874/ti.1050.02.21.04 Journal metrics at Scopus Article at Scopus

Mo-Cu pseudoalloys by combustion synthesis and spark plasma sintering
Minasyan, Tatevik; Kirakosyan, Hasmik; **Aydinyan, Sofiya**; **Liu, Lei**; Kharatyan, Suren; **Hussainova, Irina** Journal of materials science 2018 / p. 16598–16608 https://doi.org/10.1007/s10853-018-2787-1 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A model-based LQR control of an obstacle avoidance maneuver of a self-driving car
Astrov, Igor; **Udal, Andres**; **Pikner, Heiko**; **Malayjerdi, Ehsan** 2022 IEEE 20th Jubilee World Symposium on Applied Machine Intelligence and Informatics (SAMI) : Poprad, Slovakia, 2-5 March 2022 2022 / p. 473-478 : ill https://doi.org/10.1109/SAMI54271.2022.9780755

Model-based simulation of a hydraulic open-loop rotary transmission with automatic regulation of hydraulic motor (Part 1: Modelling)
Harf, Mait; **Grossschmidt, Gunnar** ESM '2018 : The 2018 European Simulation and Modelling Conference, Modelling and Simulation : October 24-26, 2018, NH Gent Belfort, Ghent, Belgium : [Proceedings] 2018 / p. 63−68
https://www.eurosis.org/cms/files/proceedings/ESM/ESM2018contents.pdf

Model-based simulation of a hydraulic open-loop rotary transmission with automatic regulation of hydraulic motor (Part 2: Simulation)
Harf, Mait; **Grossschmidt, Gunnar** ESM '2018 : The 2018 European Simulation and Modelling Conference, Modelling and Simulation : October 24-26, 2018, NH Gent Belfort, Ghent, Belgium : [Proceedings] 2018 / p. 69-73
https://www.eurosis.org/cms/files/ESM2018FINPROG.pdf

Model-based simulation of hydraulic hoses in an intelligent environment
Grossschmidt, Gunnar; **Harf, Mait** International journal of fluid power 2018 / p. 27-41 : ill
https://doi.org/10.1080/14399776.2017.1374140 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Modeling as a method to improve road safety during mass events
Makarova, Irina; Khabibullin, Rifat; **Pashkevich, Anton**; Shubenkova, Ksenia Transportation research procedia 2017 / p. 430-435 : ill
https://doi.org/10.1016/j.trpro.2017.01.070 Conference proceedings at Scopus Article at Scopus Article at WOS

Modeling of microstructures and analysis of abrasive wear of arc-welded Hadfield steel
Jankauskas, Vytenis; Choteborsky, R.; **Antonov, Maksim**; Katinas, Egidijus Journal of friction and wear 2018 / p. 78-84 : ill
https://doi.org/10.3103/S1068366618010142 Journal metrics at Scopus Article at Scopus Article at WOS

Modeling of the human lower-limb motion, design and control of knee joint orthosis
Musalimov, Victor; Monahov, Yury; **Tamre, Mart**; Rõbak, Dmitri; **Sivitski, Alina**; Aryassov, Gennady; **Penkov, Igor** International review on modelling and simulations (IREMOS) 2017 / p. 371-376 https://doi.org/10.15866/iremos.v10i5.11853 Journal metrics at Scopus Article at Scopus

Modelling and simulation of autonomous vehicles and systems and their advanced control methods = Autonoomsete sõidukite ja süsteemide ning nende täiustatud juhtimismetoodikate modelleerimine ja simuleerimine
Pedai, Andrus 2021 https://www.ester.ee/record=b5391357*est https://digikogu.taltech.ee/et/Item/654ccb12-0d81-4ae2-ae07-11248063913c https://doi.org/10.23658/taltech.9/2021

Modelling FGM materials. An accurate function approximation algorithms
Majak, Jüri; **Mikola, Madis**; **Pohlak, Meelis**; **Eerme, Martin**; **Karunanidhi, Ramachandran** IOP conference series : materials science and engineering 2021 / art. 012013, 6 p https://doi.org/10.1088/1757-899X/1140/1/012013

Modelling of impact-abrasive wear of ceramic, metallic, and composite materials
Rahmani Ahranjani, Ramin; **Antonov, Maksim**; **Kamboj, Nikhil Kumar** Proceedings of the Estonian Academy of Sciences 2019 / p. 191–197 : ill https://doi.org/10.3176/proc.2019.2.11 http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-191-197.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Modelling process parameters of the PA12-CF60 carbon fiber laminating tape for low cost laminating devices
Haavajõe, Anti; **Mikola, Madis**; **Pohlak, Meelis** International Conference of numerical analysis and applied mathematics, ICNAAM 2019, 23–28 September 2019, Rhodes, Greece 2020 / art. 230006 https://doi.org/10.1063/5.0026715 Journal metrics at Scopus Article at Scopus Article at WOS

Modelling regional airport terminal capacity
Nõmmik, Allan; **Antov, Dago** Procedia engineering 2017 / p. 427-434 : ill https://doi.org/10.1016/j.proeng.2017.01.083 Conference proceedings at Scopus Article at Scopus Article at WOS

Modelling residual stresses in glass structures
Õunapuu, Erko; Anton, Johan; **Klauson, Aleksander** AIP conference proceedings 2019 / art. 330007
https://doi.org/10.1063/1.5114345 Conference proceedings at Scopus Article at Scopus Article at WOS

Modelling the relationship of digital technologies with lean and agile strategies
Raji, Ibraihim; **Ševtšenko, Eduard**; Rossi, Tommaso; Strozzi, Fernanda Supply Chain Forum: an International Journal 2021 / p. 323−346 https://doi.org/10.1080/16258312.2021.1925583 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewedpapers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia
2019 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799

Modern Materials and Manufacturing (MMM 2021), 27th-29th April 2021, Tallinn, Estonia
2021 https://iopscience.iop.org/issue/1757-899X/1140/1

Modern robot integrated manufacturing cell according to the needs of Industry 4.0
Moor, Madis; **Vaher, Kristo**; **Riives, Jüri**; Kangro, Tavo; **Otto, Tauno** IOP conference series : materials science and engineering 2021 / art. 012034, 5 p. : ill https://doi.org/10.1088/1757-899X/1140/1/012034

Modern robot-integrated manufacturing cell according to the needs of Industry 4.0
Moor, Madis; **Vaher, Kristo**; **Riives, Jüri**; Kangro, Tavo; **Otto, Tauno** Proceedings of the Estonian Academy of Sciences 2021 / p. 407-412 : ill https://doi.org/10.3176/proc.2021.4.06 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Modification of the optoelectronic properties of Cu2CdSnS4 through low-temperature annealing
Pilvet, Maris; **Kauk-Kuusik, Marit**; **Grossberg, Maarja**; **Raadik, Taavi**; **Mikli, Valdek**; **Traksmaa, Rainer**; **Raudoja, Jaan**; **Timmo, Kristi**; **Krustok, Jüri** Journal of alloys and compounds 2017 / p. 820-825 : ill https://doi.org/10.1016/j.jallcom.2017.06.307 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Modular smart control system architecture for the mobile robot platform
Sell, Raivo; **Väljaots, Eero**; **Pataraia, Tengiz**; **Malayjerdi, Ehsan** Proceedings of the Estonian Academy of Sciences 2019 / p. 395-400 : ill http://www.kirj.ee/32713/?tpl=1061&c_tpl=1064 https://doi.org/10.3176/proc.2019.4.08 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mo(Si,Al)2 by laser powder bed fusion of AlSi10Mg and combustion synthesized MoSi2
Minasyan, Tatevik; **Ivanov, Roman**; **Toyserkani, Ehsan**; **Hussainova, Irina** Materials letters 2022 / art. 131041 https://doi.org/10.1016/j.matlet.2021.131041 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mo(Si1-x,Alx)2-based composite by reactive laser powder-bed fusion
Minasyan, Tatevik; **Aydinyan, Sofiya**; **Liu, Le**; **Volobujeva, Olga**; Toyserkani, Ehsan; **Hussainova, Irina** Materials letters 2020 / art. 128776, 5 p. : ill https://doi.org/10.1016/j.matlet.2020.128776 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

MoSi2 based composites by selective laser melting
Minasyan, Tatevik; **Liu, Le**; **Aydinyan, Sofiya**; **Hussainova, Irina** APICAM2019 program : [abstracts] 2019 / p. [218] https://www.apicam2019.com.au/LiteratureRetrieve.aspx?ID=200067

MoSi2 based composites preparation by combustion synthesis with subsequent selective laser sintering [Online resource]
Minasyan, Tatevik; Rodriguez, Miguel Angel; **Liu, Le**; **Aghayan, Marina**; **Kollo, Lauri**; **Hussainova, Irina** Abstracts : 14th International Ceramics Congress 2018 / CB-10.2:L07 http://2018.cimtec-congress.org/abstracts_focused_session_cb-10

MoSi2-based composites by selective laser melting = Selektiivse lasersulatuse teel valmistatud MoSi2 baasil komposiidid
Minasyan, Tatevik 2020 https://www.ester.ee/record=b5388072*est https://digikogu.taltech.ee/et/Item/26aa1fe6-b853-43b8-887a-51b6efa0b5ef

Motion imitation of the human pelvic and hip joints
Musalimov, Victor; **Arjassov, Gennadi**; **Žigailov, Sergei**; **Rõbak, Dmitri**; **Penkov, Igor** Mechatronics systems and materials 2018 2018 / art. 020046, 6 p. : ill https://doi.org/10.1063/1.5066508 Conference proceedings at Scopus Article at Scopus Article at WOS

Moving up the Value Chain : Manufuture 2017, Tallinn : 24-25 October, 2017 Tallinn University of Technology
Otto, Tauno 2017 https://www.ester.ee/record=b4747139*est

Multifractal analysis of high-temperature plasma irradiated tungsten surfaces
Martsepp, Merike; Laas, Tõnu; Laas, Katrin; **Priimets, Jaanis**; **Mikli, Valdek**; **Antonov, Maksim** Surface topography : metrology and properties 2021 / 13 p. : ill https://doi.org/10.1088/2051-672X/ac1dc3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A multifunctional strontium/silver-co-substituted hydroxyapatite derived from biogenic source as antibacterial biomaterial
Ressler, Antonia; Ivanković, Tomislav; Polak, Bruno; Ivanišević, Irena; Kovačić, Marin; Urlić, Inga; **Hussainova, Irina**; Ivanković, Hrvoje Ceramics International 2022 / p. 18361 - 18373 https://doi.org/10.1016/j.ceramint.2022.03.095 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Multi-layer cyber-physical control method for mobile robot safety systems
Pikner, Heiko; **Sell, Raivo**; **Majak, Jüri**; **Karjust, Kristo** Proceedings of the Estonian Academy of Sciences 2021 / p. 383-391 : ill https://doi.org/10.3176/proc.2021.4.03 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Multi-layer cyber-physical low-level control solution for mobile robots
Pikner, Heiko; **Karjust, Kristo** IOP conference series : materials science and engineering 2021 / art. 012048

https://doi.org/10.1088/1757-899X/1140/1/012048

Multi-pole modelling and intelligent simulation of a fluid power feeding system with a pneumo-hydraulic accumulator
Harf, Mait; **Grossschmidt, Gunnar** 16th International Conference on Modeling and Applied Simulation (MAS 2017) : held at the International Multidisciplinary Modeling and Simulation Multiconference (I3M 2017), Barcelona, Spain, 18 – 20 September 2017 2017 / p. 128-135 http://www.scopus.com/inward/record.uri?eid=2-s2.0-85035125034&partnerID=40&md5=1383db926eab8e4c7540e2c6d237033c

Multitier digital twin approach for agile supply chain management
Ševtšenko, Eduard; **Mahmood, Kashif**; **Karaulova, Tatjana**; Raji, Oluwole Ibrahim ASME 2020 : International Mechanical Engineering Congress and Exposition, November 16–19, 2020 : Virtual, Online : proceedings 2020 / Paper No: IMECE2020-23760, 10 p https://doi.org/10.1115/IMECE2020-23760

Multi-type dislocation substructure evolution in a high-strength and ductile duplex high-entropy nanocomposites
Mua, Yongkun; **Liu, Le**; Shia, Jinqiang; Sun, Tongtong; Hua, Kai; Jia, Yuefei; Song, Kaikai; Jia, Yandong; Wang, Qing; Wang, Gang Composites Part B : Engineering 2022 / art. 110322 https://doi.org/10.1016/j.compositesb.2022.110322 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mälumängus «15 küsimust» osalenud Tanel Jairus annetab võidusumma edasi
postimees.ee 2024 / lk. 11 Mälumängus «15 küsimust» osalenud Tanel Jairus annetab võidusumma edasi https://dea.digar.ee/article/postimees/2024/09/19/9.3

Mängud lennuki tagatiiva disainiga : [ka doktorant Peep Laugu kommnetaarid]
Kangur, Paavo Inseneeria 2017 / lk. 40-43 : fot http://www.ester.ee/record=b2336521*est https://artiklid.elnet.ee/record=b2818081*est

Nanosize molybdenum carbide preparation by sol-gel combustion synthesis with subsequent fast heating
Kirakosyan, Hasmik; Nazaretyan, Khachatur; Kirakosyan, Khachatur; Tumanyan, M.E.; **Aydinyan, Sofiya**; Kharatyan, Suren Chemical Journal of Armenia 2017 / p. 11-19 : ill http://chemistry.asj-oa.am/id/eprint/7782

Nanosized molybdenum carbide synthesized by solution combustion synthesis with subsequent thermal treatment
Nazaretyan, Khachik; Kirakosyan, Hasmik; **Aydinyan, Sofiya**; Kharatyan, Suren SHS 2017 : XIV International Symposium On Self-Propagating High Temperature Synthesis, September 25-28, 2017, Tblisi, Georgia : Book of Abstracts 2017 / p. 175-176 : ill http://mmi.ge/uploads/files/2017-10/1507298270_book-of-abstracts-shs-2017.pdf

Nanostructural evolution in mesoporous networks using in situ high-speed temperature scanner
Kamboj, Nikhil Kumar; **Aghayan, Marina**; Rubio-Marcos, Fernando; Nazaretyan, Khachatur; Rodriguez, Miguel Angel; Kharatyan, Suren; **Hussainova, Irina** Ceramics international 2018 / p. 12265-12272 : ill https://doi.org/10.1016/j.ceramint.2018.04.010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nanostructure development in refractory metals : ECAP processing of Niobium and Tantalum using indirect-extrusion technique
Omranpour Shahreza, Babak; **Kommel, Lembit**; **Mikli, Valdek**; Garcia, Edgar; Huot, Jacques International journal of refractory metals and hard materials 2019 / p. 1-9 : ill https://doi.org/10.1016/j.ijrmhm.2018.10.018 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Negative synergy in teamwork
Martin, Andres Socio-technical synergetics 2024 / p. 39-50 : ill https://www.ester.ee/record=b5651350*est

Neural predictive tracking control of catamaran model sailboat for situation awareness applications
Astrov, Igor; **Udal, Andres** INES 2020 : IEEE 24th International Conference on Intelligent Engineering Systems, July 8-10, 2020, Reykjavik, Iceland : proceedings 2020 / p. 153-158 : ill https://doi.org/10.1109/INES49302.2020.9147126

New higher order Haar wavelet method : application to FGM structures
Majak, Jüri; **Pohlak, Meelis**; **Karjust, Kristo**; **Eerme, Martin**; **Kurnitski, Jarek**; Shvartsman, Boris Composite Structures 2018 / p. 72–78 : tab https://doi.org/10.1016/j.compstruct.2018.06.013 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

New materials through a variety of sintering methods
Jaworska, L.; Cyboroń, J.; Cygan, Slawomir; Laszkiewicz-ŁUkasik, J.; Podsiadło, M.; Novak, P.; **Holovenko, Yaroslav** E-MRS Fall Symposium I: Solutions for Critical Raw Materials Under Extreme Conditions (E-MRS 2017) : Warsaw, Poland 18-21 September 2017 2018 / art. 012004 : ill https://doi.org/10.1088/1757-899X/329/1/012004 Conference proceeding at Scopus Article at Scopus Article at WOS

A new synthesis pathway for molybdenum carbide nanopowder by solution combustion
Kirakosyan, Hasmik; Nazaretyan, Khachik; **Aydinyan, Sofiya**; Tumanyan, Manvel; Kharatyan, Suren The International Conference Dedicated to the 50th Anniversary of Self-Propagating High Temperature Synthesis (SHS-50) : proceedings = Международная конференция СВС-50, приуроченная к 50-летнему юбилею научного открытия Явление волновой локализации автотормозящихся твердофазных реакций... : сборник материалов 2017 / p. 35−36 : ill http://www.ism.ac.ru/events/SHS-

50/abstracts.pdf

New technological solutions to improve the aerodynamic characteristics of an aircraft wing = Õhusõidukite tiiva aerodünaamiliste omaduste parandamine uute tehnoloogiliste lahenduste abil
Lauk, Peep 2019 https://digi.lib.ttu.ee/i/?12286 Doktoritöö pakub lahenduse, mis vähendab lennuki kütusekulu kümnendiku jagu

NiO and WO3 coreduction by combined reducers Mg/C and preparation of W-Ni alloy [Online resource]
Zakaryan, Marieta; **Aydinyan, Sofiya**; Kharatyan, Suren Abstracts : 14th International Ceramics Congress 2018 / CB-10.2:L03 http://2018.cimtec-congress.org/abstracts_focused_session_cb-10

NiO reduction by Mg plus C combined reducer at high heating rates
Zakaryan, Marieta; Nazaretyan, K.T.; **Aydinyan, Sofiya**; Kharatyan, Suren Journal of thermal analysis and calorimetry 2021 / p. 1811-1817 : ill https://doi.org/10.1007/s10973-020-10148-5 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

NiTi–Cu bimetallic structure fabrication through wire arc additive manufacturing
Singh, Shalini; Demidova, Elena; Resnina, Natalia; Belyaev, Sergey; Iyamperumal, P. A.; Paul, C. P.; **Prashanth, Konda Gokuldoss** Materials 2024 / art. 1006 https://doi.org/10.3390/ma17051006 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nonlinear comparative optimization for biomaterials wear in artificial implant technology
Casesnoves, Francisco Materials science and applied chemistry II : 59th International Scientific Conference of Riga Technical University (RTU), Section of Materials Science and Applied Chemistry - MSAC 2018 2019 / p. 52-59 https://doi.org/10.4028/www.scientific.net/KEM.800.52 Conference proceeding at Scopus Article at Scopus

Non-linear impedance of a new sound absorptive fibreless material title
Auriemma, Fabio; **Tiikoja, Heiki** MIC 2015 : 2nd International Conference on Modelling, Identification and Control : August 9-10, 2015, Paris, France 2015 / p. 195-199 : ill http://dx.doi.org/10.2991/mic-15.2015.44

Non-reciprocal propagation in an acoustic waveguide with a thermally graded metal lattice core
Auriemma, Fabio Modern materials and manufacturing 2023 : Tallinn, Estonia, 2-4 May 2023 2024 / art. 040004 https://doi.org/10.1063/5.0189280 Conference proceedings at Scopus Article at Scopus

Novel approach for the preparation of shapes from TiB2-Si3N4 composite by selective laser melting
Liu, Le; **Minasyan, Tatevik**; **Aydinyan, Sofiya**; **Hussainova, Irina** Proceedings of the Euro PM 2018 Congress : Bilbao, Spain. 14–18 October 2018 2018 https://www.epma.com/publications/euro-pm-proceedings/product/euro-pm2018-am-special-materials

Novel approach for the synthesis and sintering of TiB2-Si3N4 ceramic composite
Liu, Le; **Minasyan, Tatevik**; **Aydinyan, Sofiya**; **Hussainova, Irina** European Powder Metallurgy Association : proceedings : 14 – 18 October 2018, Bilbao, Spain 2018 / art. 3987173 [USB] https://www.epma.com/publications/euro-pm-proceedings/product/euro-pm2018-proceedings-usb

A novel approach in mechanical nanostructuring synthesis of metal hydride : hydrogen sorption enhancement by High Pressure Torsion Extrusion
Omranpour Shahreza, Babak; Ivanisenko, Julia; **Sergejev, Fjodor**; Omranpour, Hosseinali; Huot, Jacques International Journal of Hydrogen Energy 2024 / p. 133-142 https://doi.org/10.1016/j.ijhydene.2023.10.343

A novel approach to electroconductive ceramics filled by graphene covered nanofibers
Drozdova, Maria; **Hussainova, Irina V.**; Pérez-Coll, Domingo; **Aghayan, Marina**; **Ivanov, Roman A.**; Rodríguez, M. A. Materials and Design 2016 / p. 291 - 298 https://doi.org/10.1016/j.matdes.2015.10.148 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A novel approach to fabricate Si3N4 by selective laser melting
Minasyan, Tatevik; **Liu, Le**; **Aghayan, Marina**; **Kollo, Lauri**; **Kamboj, Nikhil Kumar**; **Aydinyan, Sofiya**; **Hussainova, Irina** Ceramics international 2018 / p. 13689-13694 : ill https://doi.org/10.1016/j.ceramint.2018.04.208 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A novel crack-free and refined 2195-Ti/CeB6 composites prepared by laser powder bed fusion
Xi, Lixia; Xu, Juncan; Gu, Dongdong; Feng, Lili; Lu, Qiuyang; **Prashanth, Konda Gokuldoss** Materials letters 2023 / art. 133572 https://doi.org/10.1016/j.matlet.2022.133572 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS