

A novel alumina – nanocarbon hybrid material

Ivanov, Roman; Anoshkin, Ilya; Nasibulin, Albert; **Hussainova, Irina**; Kauppinen, Esko NT13: Fourteenth International Conference on the Science and Applications of Nanotubes : 24-28 June, 2013, Espoo, Finland 2013 / p. 309

Abrasive erosion of non-tungsten cemented carbides

Pirso, Jüri; **Kallas, Paul** Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / I. 30-33
https://www.ester.ee/record=b1492085*est

Abrasive erosion of powder materials

Kallas, Paul 1996 http://www.ester.ee/record=b1070451*est

Abrasive impact wear and surface fatigue wear behaviour of Fe-Cr-C PTA overlays

Veinthal, Renno; **Sergejev, Fjodor**; Zikin, Arkadi; **Tarbe, Riho**; Hornung, J. 19th International Conference on Wear of Materials : Portland, Oregon, USA, 14-18 April 2013 : conference abstracts 2013 / [p. 98]

Abrasive impact wear and surface fatigue wear behaviour of Fe–Cr–C PTA overlays

Veinthal, Renno; **Sergejev, Fjodor**; **Zikin, Arkadi**; **Tarbe, Riho**; Hornung, Johann Wear 2013 / p. 102-108

<https://www.sciencedirect.com/science/article/pii/S0043164813000999> <https://doi.org/10.1016/j.wear.2013.01.077> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Abrasive impact wear resistance of hardfacings

Kulu, Priit; **Surženkov, Andrei**; **Tarbe, Riho**; **Simson, Taavi** European Conference on Heat Treatment and 22nd IFHTSE Congress : Heat Treatment and Surface Engineering from tradition to innovation : Venice (Italy), 20-22 May 2015 2015 / [9] p. : ill

Abrasive impact wear: tester, wear and grindability studies = Abrasiivlöökkulumine: seade, kulumise ja jahvatatavuse uuringud

Tarbe, Riho 2009 <https://digi.lib.ttu.ee/i/?435> https://www.ester.ee/record=b2499200*est

Abrasive wear performance of carbide composites

Klaasen, Heinrich; **Kübarsepp, Jakob** Wear 2006 / p. 520-526 : ill <https://doi.org/10.1016/j.wear.2005.12.004>

Abrasive wear resistance of HVOF sprayed and PTA-welded hardmetal hard phase reinforced metal-matrix based coatings

Tarbe, Riho; **Kulu, Priit**; Zikin, Arkadi; **Surženkov, Andrei** Engineering materials & tribology XXII 2014 / p. 3-7

<https://doi.org/10.4028/www.scientific.net/KEM.604.3> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Abrasive wear resistance of recycled hardmetal reinforced thick coating

Kulu, Priit; **Tarbe, Riho**; **Zikin, Arkadi**; **Sarjas, Heikki**; **Surženkov, Andrei** Engineering materials and tribology 2013 / p. 185-190

Advanced multiphase tribo-functional PTA hardfacings = Mitmefaaasilised kulumiskindlad PTA-keevispinded

Zikin, Arkadi 2013 <https://digi.lib.ttu.ee/i/?908> https://www.ester.ee/record=b2956356*est

Akadeemik Jakob Kübarsepp : valimisplatvorm

Kübarsepp, Jakob Mente et Manu 2015 / lk. 5-7 : portr https://artiklid.elnet.ee/record=b2721092*est

Akadeemiline sullerlus kui akadeemilise vabaduse kuritarvitamine

Soomere, Tarmo; **Veinthal, Renno** Sirp 2016 / lk. 36-37 : ill https://artiklid.elnet.ee/record=b2757309*est <https://www.sirp.ee/s1-artiklid/c21-teadus/akadeemiline-sullerlus-kui-akadeemilise-vabaduse-kuritarvitamine/>

Alumina-silica hollow microspheres in metallo-ceramic matrix composite [Electronic resource]

Šiškins, Andrejs; Mironovs, Viktors; Zemčenkovs, Vjačeslavs; **Hussainova, Irina** Cellular Materials CellMat 2014 : Dresden, Germany, 22-24 October, 2014 2014 / [CD-ROM]

Aluminum based composite by novelty process : Repetitive Press Roll Bonding (RPRB)

Pramono, Agus; **Kollo, Lauri**; **Veinthal, Renno** Procedia chemistry 2015 / p. 473-479 : ill
<http://dx.doi.org/10.1016/j.proche.2015.12.081>

Areng kasvatab ootusi : [arvamusi TTÜ raamatukogu kohta]

Kübarsepp, Jakob; **Kallavus, Urve**; **Kalev, Kaia** Mente et Manu 2014 / lk. 10 https://www.ester.ee/record=b1242496*est

Arengud ja suundumused insenerihariduses

Kübarsepp, Jakob Elektriala 2015 / lk. 5

Arvamusi akadeemikutelt [oluliste teadusprobleemide kohta]

Engelbrecht, Jüri; Kaljo, Dimitri; Krumm, Lembit; Kübarsepp, Jakob Eesti Teaduste Akadeemia aastaraamat = Annales academiae scientiarum Estonicae 2012 2013 / lk. 229-236

Assessment of cermets performance in aggressive media
Antonov, Maksim 2006 http://www.ester.ee/record=b2208731*est

Assessment of the reliability of hardfacings for soil rippers

Jankauskas, Vytenis; Katinas, Egidijus; Varnauskas, Valentinas; Katinas, A.; **Antonov, Maksim** Journal of friction and wear 2015 / p. 89-95 : ill <https://doi.org/10.3103/S106836661501016X> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Atomic layer deposition for hard nanocoatings

Jõgiaas, Taivo; **Kollo, Lauri; Hussainova, Irina** Baltic ALD 2014 : 12th International Baltic Conference on Atomic Layer Deposition : May 12-13, 2014, Helsinki, Finland 2014 / p. 91-92

Atomic layer deposition of alumina on g-Al₂O₃ nanofibres

Jõgiaas, Taivo; Arroval, Tõnis; **Kollo, Lauri; Hussainova, Irina** Physica status solidi (a) : applications and materials science 2014 / p. 403-408 : ill <https://doi.org/10.1002/pssa.201330083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Boron containing solid and superhard composites production techniques and properties [Electronic resource]

Kommel, Lembit; Kübarsepp, Jakob; Tarraste, Marek; Kolnes, Märt World PM2016 proceedings 2016 / [6] p. : ill. [USB]

Chair of Semiconductor Materials Technology : activity report 1988-1993

1994 https://www.ester.ee/record=b1065473*est

Changes in surface morphology, deflection and wear of microcrystalline diamond film observed during sliding tests against Si₃N₄ balls

Bogatov, Andrei; Traksmäa, Rainer; Podgurski, Vitali Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 145-151 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.145> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Characterisation of TiC-NiMo reinforced Ni-based hardfacing

Zikin, Arkadi; Badisch, Ewald; Hussainova, Irina; Tomastik, C.; Danninger, Herbert Surface & coatings technology 2013 / p. 36-44 : ill <https://www.sciencedirect.com/science/article/pii/S0257897213001825> <https://doi.org/10.1016/j.surfcoat.2013.02.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Characterization and application of TiC-based iron alloys bonded cermets

Annuka, Harri 1999 http://www.ester.ee/record=b1273069*est

Characterization and application of TiC-based iron alloys bonded cermets

Annuka, Harri 1999 http://www.ester.ee/record=b1337168*est

Characterization and modelling of erosion wear of powder composite materials and coatings

Veinthal, Renno 2005 https://www.ester.ee/record=b2097488*est

Characterization of mechanically milled cermet powders produced by disintegrator technology

Käerdi, Helmo; **Goljandin, Dmitri; Kulu, Priit; Sarjas, Heikki; Mikli, Valdek** Engineering materials and tribology 2013 / p. 148-153 <https://www.scientific.net/KEM.527.148>

Characterization of microstructure and mechanical properties of friction stir welded AlMg5-Al₂O₃ nanocomposites

Babu, N. Kishore; **Kallip, Kaspar;** Leparoux, Marc Materials science and engineering : A 2016 / p. 109-122 : ill <http://dx.doi.org/10.1016/j.msea.2016.01.102>

Characterization of TiC-FeCrMn cermets produced by powder metallurgy method

Kolnes, Märt; Kübarsepp, Jakob; Kollo, Lauri; Viljus, Mart Medžiagotyra = Materials science 2015 / p. 353-357 : ill <https://doi.org/10.5755/j01.ms.21.3.7364> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Chemical spray pyrolysis deposition of zinc sulfide thin films and zinc oxide nanostructured layers = Tsinksulfiidi õhukesed kiled ning tsinkoksiidi nanostruktuursed kihid keemilise pihustuspürolüüsi meetodil

Dedova, Tatjana 2007 <https://digi.lib.ttu.ee/i/?155> https://www.ester.ee/record=b2324660*est

Chemical vapour deposition growth of graphene and carbon nanotubes on alumina

Ivanov, Roman; Anoshkin, Ilya; Hussainova, Irina TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

Color center fluorescence and spin manipulation in single crystal, pyramidal diamond tips

Nelz, Richard; Fuchs, Philipp; **Podgurski, Vitali** Applied physics letters 2016 / p. 193105-1 - 193105-4 : ill
<https://doi.org/10.1063/1.4967189> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combined sol-gel and carbothermal synthesis of ZrC-TiC powders for composites

Umalas, Madis; **Hussainova, Irina**; Reedo, Valter; **Yung, Der-Liang** Materials chemistry and physics 2015 / p. 301-306 : ill
<https://doi.org/10.1016/j.matchemphys.2015.01.017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparative analysis of residual stresses determined by various methods in brush-plated hard gold and silver coatings

Lille, Harri; Kõo, Jakub; Ryabchikov, Alexander; Reitsnik, Renno; **Sergejev, Fjodor**; **Mikli, Valdek** Engineering materials & tribology XXII 2014 / p. 8-11 <https://doi.org/10.4028/www.scientific.net/KEM.604.8> [Conference proceedings at Scopus](#) [Article at Scopus](#)
[Conference proceedings at WOS](#) [Article at WOS](#)

Comparative study of the VARTM, VAP and MTI vacuum infusion processes

Aruniit, Aare; **Herranen, Henrik**; Miller, Kristen Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 71-76 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.71> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Comparing tungsten carbide based composites reinforced by alumina nanofibers or zirconia

Yung, Der-Liang; **Dong, Minjie**; **Hussainova, Irina** Proceedings of the PM13 International Conference on Powder Metallurgy and Particulate Materials 2013 / p. 24-35 : ill

Comparison of some mechanical and physical methods for measurement of residual stresses in brush-plated nickel hardened gold and silver coatings

Lille, Harri; Kõo, Jakub; Ryabchikov, Alexander; Reitsnik, Renno; **Sergejev, Fjodor**; Matvejev, Dmitri Materials science = Medžiagotyra 2016 / p. 36-40 : ill <https://doi.org/10.5755/j01.ms.22.1.7439> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of the wear and frictional properties of Cu matrix composites prepared by pulsed electric current sintering

Ritasalo, Riina; **Antonov, Maksim**; **Veinthal, Renno**; Hannula, Simo-Pekka Proceedings of the Estonian Academy of Sciences 2014 / p. 62-74 : ill https://artiklid.elnet.ee/record=b2665219*est <https://doi.org/10.3176/proc.2014.1.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Composition and structure of bimodal WC-Co materials related to mechanical properties and abrasive wear

Yung, Der-Liang; **Antonov, Maksim**; **Hussainova, Irina**; **Veinthal, Renno**; Hogmark, Sture M2D2015 : proceedings of the 6th International Conference on Mechanics and Materials in Design, 2015 2015 / p. 655-664

Coupled thermal analysis of novel alumina nanofibers with ultrahigh aspect ratio

Aghayan, Marina; **Hussainova, Irina**; Gasik, Michael; Kutuzov, Michael; Friman, Michael Thermochemica acta 2013 / p. 140-144 : ill
<https://doi.org/10.1016/j.tca.2013.10.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Covalent coupling of ionic liquid to carbon nanotubes : preparation and tribological properties

Taaber, Triinu; Põhako-Esko, Kaija; **Antonov, Maksim**; **Veinthal, Renno** Materials Research Society symposium proceedings 2014 / p. UU06-30 : ill <https://doi.org/10.1557/opl.2014.539> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Critical radius in the effect of transformation toughening of zirconia doped ceramics and cermets

Freidin, Alexander; Filippov, Roman; **Hussainova, Irina**; Vilchevskaya, Elena Engineering materials and tribology 2013 / p. 68-73
<https://www.scientific.net/KEM.527.68>

Critical radius of zirconia inclusions in transformation toughening of ceramics

Filippov, Roman; Freidin, Alexander; **Hussainova, Irina**; Vilchevskaya, Elena Physical mesomechanics 2015 / p. 33-42 : ill
<https://doi.org/10.1134/S1029959915010051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cu₂ZnSnSe₄ films from binary precursors

Volobujeva, Olga; **Mellikov, Enn**; **Timmo, Kristi**; **Danilson, Mati**; **Bereznev, Sergei** Journal of Renewable and Sustainable Energy 2013 / art. 031618 <https://doi.org/10.1063/1.4811242> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Decarburisation effect on hardened strip steel fastening components

Jaason, Karli; **Peetsalu, Priidu**; **Saarna, Mart**; **Kulu, Priit**; Beilmann, Jüri Materials science = Medžiagotyra 2016 / p. 148-152 : ill
<https://doi.org/10.5755/j01.ms.22.1.7467> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Decarburization effect on hardened strip steel fastening components

Jaason, Karli; **Peetsalu, Priidu**; **Saarna, Mart**; **Kulu, Priit**; Beilmann, Jüri TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogia" : 04.-05. märts 2014, Tartu 2014 / [1] p

Deformation-burst schemes of 3-piece aerosol containers

Ratas, Kaarin; Peetsalu, Priidu Engineering materials & tribology XXII 2014 / p. 55-58

<https://doi.org/10.4028/www.scientific.net/KEM.604.55> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Densification and characterization of spark plasma sintered ZrC–ZrO₂ composites

Hussainova, Irina; Voltšihhin, Nikolai; Cura, M. Erkin; Hannula, Simo-Pekka Materials science and engineering : A - structural

materials: properties, microstructure and processing 2014 / p. 75-81 : ill <https://doi.org/10.1016/j.msea.2013.12.058> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Densification and microstructure development in zirconia toughened hardmetals

Voltšihhin, Nikolai; Hussainova, Irina; Cura, M. Erkin; Hannula, Simo-Pekka; Traksmaa, Rainer Engineering materials and tribology 2013 / p. 50-55 : ill

Department of Materials Technology

Valdma, Leo; Kübarsepp, Jakob; Kulu, Priit; Tümanok, Aleksei; Mellikov, Enn; Vallaste, Heikki Research activities / Tallinn Technical University 1993 / p. 13-16 https://www.ester.ee/record=b1053754*est

Deposition and characterization of refractory cermet particle reinforced Ni-based PTA hardfacings

Zikin, Arkadi; Yung, Der-Liang; Hussainova, Irina; Danninger, Herbert; Pirso, Jüri; Gavrilović-Wohlmuther, A. Proceedings of the 18th PLANSEE Seminar, 2013 2013

Design and technology of oxides-containing ceramic-based composites = Oksiide sisaldava komposiitkeraamika tehnoloogia

Voltšihhin, Nikolai 2014 https://www.ester.ee/record=b4438763*est

Determination of resistance to wear of particulate composite

Aruniit, Aare; Antonov, Maksim; Kers, Jaan; Krumme, Andres Engineering materials & tribology XXII 2014 / p. 188-191

<https://doi.org/10.4028/www.scientific.net/KEM.604.188> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Development of novel hierarchically microporous-mesoporous carbon and carbon nanospheres based materials and PEMFC single cells

Lust, Enn; Sepp, Silver; Nerut, Jaak; Taleb, Masoud ECS transactions 2016 / p. 777-788 <http://dx.doi.org/10.1149/07514.0777ecst>

Development of novel hierarchically microporous-mesoporous carbon and carbon nanospheres based materials and PEMFC single cells

Lust, Enn; Sepp, Silver; Nerut, Jaak; Taleb, Masoud PRiME Meeting : MA2016-02, October 2-7, 2016, Honolulu, Hawaii 2016 / p. 2539 <http://ma.ecsdl.org/content/MA2016-02/38/2539.abstract?sid=3a2322bd-5e72-463a-b64a-1b02d671829b>

Developments in cermet design, technology and performance

Kübarsepp, Jakob; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart International journal of materials & product technology 2014 / p. 160-179 <https://doi.org/10.1504/IJMPT.2014.064046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Diffusionsschweissen von Werkstoffen mit unterschiedlichen Eigenschaften = Diffusion welding of different materials = Erinevate materjalide difusioonkeevitus

Dahms, Steffen 2011 <https://digi.lib.ttu.ee/i/?605>

Direct CVD growth of multi-layered graphene closed shells around alumina nanofibers

Ivanov, Roman; Mikli, Valdek; Kübarsepp, Jakob; Hussainova, Irina Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 77-80 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.77> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Disintegrator milling system development and milling technologies of different materials =

Desintegraatorjahvatussüsteemi arendus ja erinevate materjalide desintegraatorjahvatustehnoloogia

Goljandin, Dmitri 2013 <https://digi.lib.ttu.ee/i/?937> https://www.ester.ee/record=b2994890*est

Disintegrators and disintegrator treatment of materials

Goljandin, Dmitri; Kulu, Priit 2015

Dr-Ing. Lembit Kommel : biograafia. Bibliograafia

2024 https://www.ester.ee/record=b5677855*est

Duplex TiN coating on stainless steel : an electrochemical and surface analysis study : doctoral thesis
Rudenja, Sergei 1999 https://www.ester.ee/record=b1330948*est

Duplex treatment of steel surface = Terase pinna duplekstöötlus
Surženkov, Andrei 2011

Durability of complex shape punch in thick sheet metal fine-blanking
Veinthal, Renno; Peetsalu, Priidu; Saarna, Mart; Talkop, Adolf European Conference on Heat Treatment and 21st IFHTSE Congress : May, 12th-15th, 2014, Munich, Germany : proceedings 2014 / p. 399-406 : ill

Eesti 100 % elektromobiilseks
Simson, Taavi Äripäev 2015 / lk. 15 <https://www.aripaev.ee/arvamused/2015/01/24/eesti-100-elektromobiilseks>

Eesti ja Läti ülikoolide ja tööstuse sidemed mehaanikas
Kulu, Priit Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 57-60

Eesti Keevitusühing
Laansoo, Andres Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1996 / 1, lk. 7; 2, lk. 7 https://www.ester.ee/record=b5668719*est

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

Effect of alloying additives on impact-abrasive wear of manual arc welded hadfield steel hardfacings
Jankauskas, Vytenis; Antonov, Maksim; Katinas, Egidijus; Gedzevicius, I. Journal of friction and wear 2016 / p. 170-178 : ill
<https://doi.org/10.3103/S1068366616020185> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of atomic layer deposited aluminium oxide on mechanical properties of porous silicon carbide
Jõgiaas, Taivo; Kollo, Lauri; Kozlova, Jekaterina; Tamm, Aile; Hussainova, Irina; Kukli, Kaupo Ceramics international 2015 / p. 7519-7528 : ill <https://doi.org/10.1016/j.ceramint.2015.02.074> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of atomic oxygen irradiation on the structural and tribological properties of the MoS₂/Al₂O₃/PI composites
Zhao, Gai; Wang, Qihua; Hussainova, Irina; Ding, Qingjun Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 239-243 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.239> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Effect of basalt and silica additives on erosive wear resistance of cast ceramics
Baroninš, Janis; Antonov, Maksim; Ivanov, Roman; Shuliak, Volodymyr; Hussainova, Irina Proceedings of the Estonian Academy of Sciences 2016 / p. 144-151 : ill <https://doi.org/10.3176/proc.2016.2.05> https://artiklid.elnet.ee/record=b2768221*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of basalt reinforcement type and content on the abrasive wear behaviour of polymer composites
Antonov, Maksim; Kers, Jaan; Liibert, Laura; Shuliak, Volodymyr; Smirnov, Anton; Bartolome, Jose F. Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 181-188 : ill
<https://doi.org/10.4028/www.scientific.net/KEM.674.181> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Effect of carbide phase and binder chemical composition on surface fatigue of carbide composites [Electronic resource]
Petrov, Mihhail; Kübarsepp, Jakob; Sergejev, Fjodor; Viljus, Mart Euro PM2015 Congress & Exhibition : proceedings : 4-7 October 2015, Reims Congress Centre, Reims, France 2015 / [6] p. : ill. [USB]

Effect of grain growth inhibitors VC/Cr₃C₂ on WC-ZrO₂-Ni composite mechanics
Yung, Der-Liang; Dong, Minjie; Hussainova, Irina Engineering materials & tribology XXII 2014 / p. 106-109
<https://doi.org/10.4028/www.scientific.net/KEM.604.106> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Effect of hard cyclic viscoplastic deformation on phases chemical composition and micromechanical properties evolution in single crystal Ni-based superalloy
Kommel, Lembit Acta physica polonica A 2015 / p. 681-683 : ill <https://doi.org/10.12693/APhysPolA.128.681> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Effect of hot dip galvanizing on the mechanical properties of high strength steels
Sepper, Sirli; Peetsalu, Priidu; Saarna, Mart; Mikli, Valdek; Kulu, Priit Engineering materials & tribology XXII 2014 / p. 12-15 : ill
<https://doi.org/10.4028/www.scientific.net/KEM.604.12> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

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

Effect of loading system inertia on tribological behaviour of ceramic–ceramic, ceramic–metal and metal–metal dry sliding contacts

Antonov, Maksim; Hussainova, Irina; Adoberg, Eron Tribology international 2013 / p. 207-214 : ill

<https://doi.org/10.1016/j.triboint.2013.03.025> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of milling time on dual-nanoparticulate-reinforced aluminum alloy matrix composite materials

Kwon, Hansang; Saarna, Mart; Yoon, Songhak; Weidenkaff, Anke; Leparoux, Marc Materials science and engineering : A 2014 / p.

338-345 <https://doi.org/10.1016/j.msea.2013.10.046> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of nanocrystalline diamond films deflection on wear observed in reciprocating sliding tests

Podgurski, Vitali; Bogatov, Andrei; Sobolev, S.; Viljus, Mart; Sedov, V.; Ashkinazi, E.; Ralchenko, V. Journal of coating science and technology 2016 / p. 109-115 : ill <http://dx.doi.org/10.6000/2369-3355.2016.03.03.2>

Effect of new superhard phases formation on properties of composite processed by SHS

Kommel, Lembit; Tamm, Toomas; Metsvahi, Raido Engineering materials and tribology 2013 / p. 137-142

Effect of oxidation on erosive wear behaviour of boiler steels

Antonov, Maksim; Veinthal, Renno; Huttunen-Saarivirta, E.; Hussainova, Irina; Vallikivi, Ahto; Lelis, Martynas; Priss, Jelena

Tribology international 2013 / p. 35-44 : ill <https://doi.org/10.1016/j.triboint.2012.09.011> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of oxidation on sliding wear behavior of NiCrSiB-TiB₂ plasma sprayed coatings

Umanski, A.; Hussainova, Irina; Storoženko, M.; Terentyev, O.; Antonov, Maksim Engineering materials & tribology XXII 2014 / p.

16-19 <https://doi.org/10.4028/www.scientific.net/KEM.604.16> Conference proceedings at Scopus Article at Scopus Article at WOS

Effect of sintering conditions on microstructure and performance of TiC-FeCrMn cermets [Electronic resource]

Kolnes, Märt; Kübarsepp, Jakob; Viljus, Mart; Traksmäa, Rainer; Illopmägi, Siim World PM2016 proceedings 2016 / [7] p. : ill. [USB]

Effect of SiO₂ and PTFE additives on dry sliding of NiP electroless coating

Gutsev, D.; Antonov, Maksim; Hussainova, Irina; Grigoriev, A.Y. Tribology international 2013 / p. 295-302 : ill

<https://doi.org/10.1016/j.triboint.2012.12.012> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of temperature on sliding and erosive wear of fiber reinforced polyimide hybrids

Zhao, Gai; Hussainova, Irina; Antonov, Maksim; Wang, Qihua; Wang, Tingmei; Yung, Der-Liang Tribology international 2015 / p.

525-533 : ill <https://doi.org/10.1016/j.triboint.2014.01.019> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of TiB₂ additives on wear behavior of NiCrBSi-based plasma-sprayed coatings

Umanskiy, Oleksandr; Storozenko, Maryna; Hussainova, Irina; Terentjev, Oleksandr; Kovalchenko, Andrey; Antonov, Maksim

Materials science = Medžiagotyra 2016 / p. 15-19 : ill <https://doi.org/10.5755/j01.ms.22.1.7307> Conference Proceedings at Scopus Article at Scopus Conference Proceedings at WOS Article at WOS

Effect of WC grain size and content on erosive wear of manual arc welded hardfacings with low-carbon ferritic-pearlitic steel or stainless steel matrix

Katinas, Egidijus; Antonov, Maksim; Jankauskas, Vytenis; Skirkus, Remigijus Engineering materials and tribology : selected, peer

reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 213-218 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.213> Conference Proceedings at Scopus Article at Scopus

Effect of WC grain size and content on low stress abrasive wear of manual arc welded hardfacings with low-carbon or stainless steel matrix

Jankauskas, Vytenis; Antonov, Maksim; Varnauskas, Valentinas; Skirkus, Remigijus; Goljandin, Dmitri Wear 2015 / p. 378-390 : ill

<https://doi.org/10.1016/j.wear.2015.02.063> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of wood flour fraction size on the properties of wood-plastic composites

Kängsepp, Kärt; Poltimäe, Triinu; Liimand, K.; Kallakas, Heikko; Süld, Tiia-Maaja; Repeshova, Irina; Goljandin, Dmitri; Kers,

Jaan Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 366-371

18th International Baltic Conference : Engineering Materials & Tribology : BALTMATTRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts

2009 http://www.ester.ee/record=b2537121*est

Elaboration of sol-gel derived TiC-CNTs composite

Hussainova, Irina; Umallas, Madis; Lõhmus, Ants; **Voltšihhin, Nikolai** 38th International Conference & Exposition on Advanced Ceramics and Composites : abstract book : January 26-31, 2014, Daytona Beach, Florida 2014 / p. 116

Elastic models of defects in two-dimensional crystals

Kolesnikova, Anna; Orlova, T. S.; **Hussainova, Irina**; Romanov, Alexey Physics of the solid state 2014 / p. 2573-2579 : ill
<https://doi.org/10.1134/S1063783414120166> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrical conductivity and mechanical properties of Cu-0.7wt% Cr and Cu-1.0wt% Cr alloys processed by severe plastic deformation

Kommel, Lembit; Pokatilov, Andrei IOP conference series : materials science and engineering 2014 / p. 1-7 : ill
<https://doi.org/10.1088/1757-899X/63/1/012169> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Electromagnetic shielding properties of ceramic spheres coated with paramagnetic metal

Koppel, Tarmo; Shiskin, A.; **Hussainova, Irina**; Haldre, Heldur; **Tint, Piia** Agronomy research 2016 / p. 1015-1022 : ill
http://ise.elnet.ee/record=b2891940~S1*est [Journal metrics at Scopus](#) [Article at Scopus](#)

Electron microscopy and image analysis study of powdered hardmetal materials and optoelectronic thin films

Mikli, Valdek 2003 https://www.ester.ee/record=b1782316*est

Embedded electronics influence on the strength of carbon fiber laminate

Herranen, Henrik; Kers, Jaan; Preden, Jürjo-Sören; Talalaev, Robert; Eerme, Martin; Majak, Jüri; Lend, Henri; Allikas, Georg Advances in applied materials and electronics engineering III 2014 / p. 239-243
<https://doi.org/10.4028/www.scientific.net/AMR.905.239> [Article at Scopus](#)

EMLi juhatuse esimeeste lood

Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80 2016 / lk. 7-15 : portr

Engineering materials and tribology

2013

Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia

2016 <http://dx.doi.org/10.4028/www.scientific.net/KEM.674>

Enhancing of corrosion resistance of steel-bonded hardmetals in acid conditions

Kübarsepp, Jakob; Kallast, Vambola; Annuka, Harri Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / l. 37-38 https://www.ester.ee/record=b1492085*est

Environment friendly and materials saving surface technologies

Kulu, Priit Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / l. 39-40
https://www.ester.ee/record=b1492085*est

Erosion wear of reactive sintered WC-TiC-Co cermets

Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri; Viljus, Mart Engineering materials & tribology XXII 2014 / p. 63-66
<https://doi.org/10.4028/www.scientific.net/KEM.604.63> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Erosion wear testing of boiler steels at elevated temperatures

Priss, Jelena; Klevtsov, Ivan; Dedov, Andrei; Antonov, Maksim 14th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. II" : Pärnu, Estonia, January 13-18, 2014 2014 / p. 248-250 : ill

Erosions und Bruchfestigkeit von TIC-stahl Verbundwerkstoffen

Valdma, Leo; Kübarsepp, Jakob; Annuka, Harri IX Internationale Pulvermetallurgische Tagung in der DDR : Sintern, Phänomene, Technologien und Werkstoffe, Dresden, 23. bis 25. 10. 1989 1989 / s. 209

Erosive wear of boiler steels by sand and ash

Huttunen-Saarivirta, E.; Kinnunen, H.; Tuiremo, J.; Uusitalo, M.; **Antonov, Maksim** Wear 2014 / p. 213-224 : ill
<https://doi.org/10.1016/j.wear.2014.06.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estonian education system and the influence of digitalization : welcome address

Veinthal, Renno Management Education for a Digital World : proceedings of the 24th CEEMAN Annual Conference : 28-30 September 2016, Tallinn, Estonia 2016 / p. 8-9 : portr

Evolution of TiN coating surface roughness during physical vapor deposition on high speed steel substrate
Kupchenko, Leonid; Tali, Rauno; Adoberg, Eron; Mikli, Valdek; Podgurski, Vitali Engineering materials & tribology XXII 2014 / p. 67-70 <https://doi.org/10.4028/www.scientific.net/KEM.604.67> Conference proceedings at Scopus Article at Scopus

Exothermically synthesized B4C-Al composites for dry sliding = Eksotermiliselt sünteesitud B4C-Al komposiidid tööks liugehõõrdumise tingimustes
Kimmari, Eduard 2008 https://www.ester.ee/record=b2413238*est

Experience of continuing professional development of mechanical engineers in Estonia
Kübarsepp, Jakob; Kiili, Jaanus The 4th European Forum for Continuing Engineering Education, Trondheim, Norway, 9-11 June, 1999 : proceedings 1999 / p. 221-227

The experimental and theoretical investigations of damage development and distribution in double-forged tungsten under plasma irradiation-initiated extreme heat loads
Väli, Berit; Laas, Tõnu; Paju, Jana; Antonov, Maksim Nukleonika 2016 / p. 169-177 : ill <https://doi.org/10.1515/nuka-2016-0029> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fabrication and microstructural analysis of didymium-iron-boron magnet alloys with cerium additions
Mural, Zorjana; Kolnes, Märt; Afshari, Hossein; Kollo, Lauri; Link, Joosep; Veinthal, Renno Proceedings of the Estonian Academy of Sciences 2016 / p. 166-171 : ill <https://doi.org/10.3176/proc.2016.2.02> https://artiklid.elnet.ee/record=b2768229*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fabrication of alumina nanocomposites reinforced by a novel type of alumina nanofiber and graphene coated alumina nanofiber
Drozdova, Maria; Ivanov, Roman; Aghayan, Marina; Hussainova, Irina; Dong, Minjie; Rodriguez, Miguel Angel Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 337-341 : ill

Fabrication of NiO/NiAl₂O₄ nanofibers by combustion method
Aghayan, Marina; Hussainova, Irina Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 31-34 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.31> Conference Proceedings at Scopus Article at Scopus

Faculty of Mechanical Engineering 2014
2014 https://www.ester.ee/record=b3063603*est

Faculty of Mechanical Engineering 2015
2015 http://www.ester.ee/record=b4520528*est

Fatigue characteristics of PM steels = Pulberteraste väsimuskarakteristikud
Saarna, Mart 2008 https://www.ester.ee/record=b2413163*est

Fatigue performance and mechanical reliability of cemented carbides
Preis, Irina 2004 https://www.ester.ee/record=b1994273*est

A few-layered graphene on alumina nanofibers for electrochemical energy conversion
Hussainova, Irina; Ivanov, Roman; Stamatina, Serban; Anoshkin, Ilya; Skou, Eivind; Nasibulin, Albert Carbon 2015 / p. 157-164 : ill <https://doi.org/10.1016/j.carbon.2015.03.004> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

15th International Baltic Conference "Engineering Materials & Tribology. Baltmattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts
2006 https://www.ester.ee/record=b2227259*est

Foreign object induced fiber undulation influence on mechanical properties of composite laminate
Herranen, Henrik; Lend, Henri; Kuusik, Alar; Czichon, Steffen; Kers, Jaan; Piirlaid, Marko International Conference on Composite Materials 2013 (ICCM-19) : Montreal, Quebec, Canada, 28 July-2 August 2013 : [proceedings] 2013 / p. 837-844

Fracture description of AZ61 Mg-Al₂O₃ materials studied by "in situ tensile test in SEM"
Besterci, Michal; Nagy, Štefan; Huang, Song-Jeng; Velgosova, Oksana; Sülleiova, Katarina; Kulu, Priit Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 165-172 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.165> Conference Proceedings at Scopus Article at Scopus

Friction and wear of fiber reinforced polyimide composites
Zhao, Gai; Hussainova, Irina; Antonov, Maksim; Wang, Qihua; Wang, Tingmei; Veinthal, Renno 19th International Conference on

Friction and wear of fiber reinforced polyimide composites

Zhao, Gai; Hussainova, Irina; Antonov, Maksim; Wang, Qihua; Wang, Tingmei *Wear* 2013 / p. 122-129 : ill <https://doi.org/10.1016/j.wear.2012.12.019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Functionalization of alumina nanofibers with metal oxides = Alumiiniumoksiidnanokiudude funktsionaliseerimine metalloksiididega

Aghayan, Marina 2016 http://www.ester.ee/record=b4560629*est

Functionalization of gamma-alumina nanofibers by alpha-alumina via solution combustion synthesis

Aghayan, Marina; Voltšihhin, Nikolai; Rodriguez, Miguel Angel; Rubio-Marcos, Fernando; **Dong, Minjie; Hussainova, Irina** *Ceramics international* 2014 / p. 12603-12607 : ill <https://doi.org/10.1016/j.ceramint.2014.04.087> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Graphene coated alumina nanofibers as zirconia reinforcement

Ivanov, Roman; Hussainova, Irina; Aghayan, Marina; Petrov, Mihhail *Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014* / p. 348-353 : ill

Graphene covered alumina nanofibers as toughening agent in alumina ceramics

Hussainova, Irina; Drozdova, Maria; Aghayan, Marina; Ivanov, Roman; Perez-Coll, Domingo *13th International Ceramics Congress. Part B 2014* / p. 49-53

Graphene-augmented nanofiber scaffolds demonstrate new features in cells behaviour

Kazantseva, Jekaterina; **Ivanov, Roman;** Gasik, Michael; Neumann, Toomas; **Hussainova, Irina** *Scientific reports* 2016 / art. 30150, p. 1-8 : ill <https://doi.org/10.1038/srep30150> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Graphene-encapsulated aluminium oxide nanofibers as a novel type of nanofillers for electroconductive ceramics

Ivanov, Roman; Hussainova, Irina; Aghayan, Marina; Drozdova, Maria; Perez-Coll, Domingo; Rodriguez, Miguel Angel; Rubio-Marcos, Fernando *Journal of the European Ceramic Society* 2015 / p. 4017-4021 : ill <https://doi.org/10.1016/j.jeurceramsoc.2015.06.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Growth dynamics of nanocrystalline diamond films produced by microwave plasma enhanced chemical vapor deposition in methane/hydrogen/air mixture : scaling analysis of surface morphology

Podgurski, Vitali; Bogatov, Andrei; Sedov, V.; Sildos, Ilmo; **Mere, Arvo; Viljus, Mart;** Buijnsters, J. G.; Ralchenko, V. *Diamond and related materials* 2015 / p. 172-179 : ill <https://doi.org/10.1016/j.diamond.2015.07.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hard metals serviceability in sheet metal forming operations

Reshetnjak, Heinrich 1996 http://www.ester.ee/record=b1070449*est

Hard PVD coatings for tooling = PVD kõvapinded tööriistamajanduses

Gregor, Andre 2010 <https://digi.lib.ttu.ee/i/?495> https://www.ester.ee/record=b2607112*est

Hardfacings for extreme wear applications

Kulu, Priit; Surženkov, Andrei; Tarbe, Riho; Saarna, Mart; Tarraste, Marek; Viljus, Mart *Surface Modification Technologies XXVIII : proceedings of the Twenty Eighth International Conference on Surface Modification Technologies : Tampere University of Technology, Tampere, Finland, June 16-18, 2014 2015* / p. 149-157 : ill

Hardness of multi wall carbon nanotubes reinforced aluminium matrix composites

Bradbury, Christopher R.; **Gomon, Jaana-Kateriina; Kollo, Lauri;** Kwon, Hansang; Leparoux, Marc *Journal of alloys and compounds* 2014 / p. 362-367 : ill <https://doi.org/10.1016/j.jallcom.2013.09.142> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Heat treatment of ultrafine grained AA6061 consolidation by equal channel angular pressing

Pramono, Agus; Kollo, Lauri; Kallip, Kaspar; Veinthal, Renno; Gomon, Jaana-Kateriina *Instrumentation and measurement systems* 2015 / p. 252-256 <http://dx.doi.org/10.4028/www.scientific.net/AMM.771.252>

Heat treatment of ultrafine grained high-strength aluminum alloy

Pramono, Agus; Kollo, Lauri; Kallip, Kaspar; Veinthal, Renno; Gomon, Jaana-Kateriina *Engineering materials & tribology XXII 2014* / p. 273-276 : ill <https://doi.org/10.4028/www.scientific.net/KEM.604.273> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Heino Lepikson 100

2014 https://www.ester.ee/record=b3061745*est

High temperature cyclic impact/abrasion testing of boiler steels

Priss, Jelena; Klevtsov, Ivan; Dedov, Andrei; Antonov, Maksim; Rojacz, Harald; Badisch, Ewald Engineering materials & tribology XXII 2014 / p. 289-292 <https://doi.org/10.4028/www.scientific.net/KEM.604.289> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

High temperature erosion wear of cermet particles reinforced self-fluxing alloy HVOF sprayed coatings

Surženkov, Andrei; Goljandin, Dmitri; Traksmaa, Rainer; Viljus, Mart; Talviste, Kristofer; Aruniit, Aare; Latokartano, Jyrki; **Kulu, Priit** Medžiagotyra = Materials science 2015 / p. 386-390 : ill <https://doi.org/10.5755/j01.ms.21.3.7617> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High temperature wear of cermet particle reinforced NiCrBSi hardfacing

Zikin, Arkadi; Antonov, Maksim; Hussainova, Irina Tribology international 2013 / p. 45-55 : ill <https://doi.org/10.1016/j.triboint.2012.08.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High-energy ball milling of Nd-Fe-B powders

Mural, Zorjana; Kollo, Lauri; Kallip, Kaspar; Traksmaa, Rainer; Veinthal, Renno Proceedings of the Applied Magnetic Materials 2013 Conference 2013 / p. 12-16 : ill

High-temperature erosion of Fe-based coatings reinforced with cermet particles

Surženkov, Andrei; Antonov, Maksim; Goljandin, Dmitri; Kulu, Priit; Viljus, Mart; Traksmaa, Rainer; Mere, Arvo Surface engineering 2016 / p. 624-630 : ill <https://doi.org/10.1080/02670844.2016.1145377> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Homogeneous deposition of copper oxide on mesoporous 1D alumina nanofibres by combustion approach

Kirakosyan, Khachatur; Aghayan, Marina; Rodriguez, Miguel Angel; **Taleb, Masoud; Hussainova, Irina** Proceedings of the Estonian Academy of Sciences 2016 / p. 97-100 : ill https://artiklid.elnet.ee/record=b2768206*est <https://doi.org/10.3176/proc.2016.2.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hoonete insenerivõrgud ja -sadamed. Küte ja ventilatsioon : kursuseprojekti koostamise juhised ehitustehnika liini üliõpilastele

1995

Hot and cold of pressing effect on ECAP-parallel channel composite based on Al/ANF material

Pramono, Agus; Kommel, Lembit; Kollo, Lauri; Veinthal, Renno Advanced materials research 2015 / p. 343-347 <http://dx.doi.org/10.4028/www.scientific.net/AMR.1123.343>

Hot and cold regions during accumulative roll bonding of Al/Al₂O₃ nanofibre composites

Pramono, Agus; Kollo, Lauri; Veinthal, Renno Proceedings of the Estonian Academy of Sciences 2016 / p. 132-137 : ill https://artiklid.elnet.ee/record=b2768216*est <https://doi.org/10.3176/proc.2016.2.12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hybrid graphene/alumina nanofibers for electroconductive zirconia

Drozdova, Maria; Perez-Coll, Domingo; **Aghayan, Marina; Ivanov, Roman;** Rodriguez, Miguel Angel; **Hussainova, Irina** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 15-20 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.15> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Hybrid syntactic foams of metal - fly ash cenosphere - clay

Shishkin, Andrei; Mironovs, Viktors; Zemchenkov, Vjacheslav; Antonov, Maksim; Hussainova, Irina Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 35-40 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.35> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Impact and sliding wear properties of single layer, multilayer and nanocomposite physical vapour deposited (PVD) coatings on the plasma nitrided low-alloy 42CrMo4 steel

Surženkov, Andrei; Adoberg, Eron; Põdra, Priit; Sergejev, Fjodor; Mere, Arvo; Viljus, Mart; Mikli, Valdek; Antonov, Maksim; Kulu, Priit Engineering materials and tribology 2013 / p. 223-228 : ill

Impact grinding and disintegrators

Tamm, Boris, inform.; Tümanok, Aleksei Proceedings of the Estonian Academy of Sciences. Engineering 1996 / p. 209-223 https://www.ester.ee/record=b1072098*est

Influence of Cr, Ti and Zr oxides formation on high temperature sliding of NiAl-based plasma spray coatings

Poliaraus, Olena; Umanskyi, Oleksandr; Ukrainets, Maksym; Kostenko, Oleksii; Antonov, Maksim; Hussainova, Irina Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 308-312 : ill

Influence of different reinforcing particles on the scratch resistance and microstructure of different WC–Ni composites

Marou Alzouma, O.; Azman, M.-A.; **Yung, Der-Liang**; Fridrici, V.; Kapsa, Ph. Wear 2016 / p. 130-135 : ill

<https://doi.org/10.1016/j.wear.2016.02.011> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of hard cyclic viscoplastic deformation on chemical composition and micromechanical properties of phases of single crystal Ni-base superalloys

Kommel, Lembit 13th International Symposium on Physics of Materials : ISPMA 13 : Prague 31.8-4.9.2014 : the book of abstracts 2014 / [1] p

Influence of interphases on the mechanical properties of alumina nanofibers reinforced alumina nanocomposite

Aghayan, Marina; Hussainova, Irina; Gasik, Michael; **Kollo, Lauri** Proceedings of the 1st ISN2A, 1st International Symposium on Nanoparticles/Nanomaterials and Applications : Caparica - Almada, Portugal, 20th-22th January 2014 2014 / p. 97

Influence of laser hardening to the sliding wear resistance of the PVD (Al,Ti)N-G and nAlCo® coatings

Surženkov, Andrei; Adoberg, Eron; Antonov, Maksim; Sergejev, Fjodor; Mikli, Valdek; Viljus, Mart; Latokartano, Jyrki; **Kulu, Priit** Engineering materials & tribology XXII 2014 / p. 28-31 <https://doi.org/10.4028/www.scientific.net/KEM.604.28> Conference

[proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS](https://doi.org/10.4028/www.scientific.net/KEM.604.28)

Influence of microstructure and chemical composition on toughness and wear resistance of carbide composites

Petrov, Mihhail TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

Influence of microstructure and strengthening mechanism of AlMg5-Al2O3 nanocomposites prepared via spark plasma sintering

Babu, N. Kishore; **Kallip, Kaspar**; Leparoux, Marc Materials & design 2016 / p. 534-544 : ill

<http://dx.doi.org/10.1016/j.matdes.2016.01.138>

Influence of precursor zirconium carbide powders on the properties of the spark plasma sintered ceramic composite materials

Voltsihhin, Nikolai; Hussainova, Irina; Hannula, Simo-Pekka; **Viljus, Mart** Developments in Strategic Materials and Computational Design IV 2014 / p. 297-308 : ill <https://doi.org/10.1002/9781118807743> Conference proceedings at Scopus Article at Scopus

Influence of pressurized sintering on the performance of TiC-based cermets

Kübarssepp, Jakob; Klaasen, Heinrich; Tsinjan, Aleksei; Juhani, Kristjan; Kollo, Lauri; Viljus, Mart Engineering materials and tribology 2013 / p. 56-61 https://www.researchgate.net/publication/272047524_Influence_of_Pressurized_Sintering_on_Performance_of_TiC-Based_Cermets

Influence of sintering technology on cermet performance

Kübarssepp, Jakob; Pirso, Jüri; Juhani, Kristjan BALTTTRIB'2013 : VII International Scientific Conference : 14-15 November 2013, Kaunas, Lithuania : proceedings 2013 / p. 56-61

https://www.researchgate.net/publication/384980961_Influence_of_sintering_technology_on_cermet_performance

Influence of surface morphology on the tribological behavior of diamond-like carbon coating

Podgurski, Vitali; Bogatov, Andrei; Freund, Martin; **Kulu, Priit** Engineering materials and tribology 2013 / p. 83-91 : ill

Inseneripedagoogika - mõjusam õpetus STEM-valdkonnas

Rüütmann, Tiia; Kübarssepp, Jakob Õpetajate Leht 2016 / lk. 13 https://artiklid.elnet.ee/record=b2762809*est

<https://opleht.ee/2016/04/inseneripedagoogika-mojusam-opetus-stem-valdkonnas/>

Intermediate and low radiofrequency electromagnetic field transmission properties in case of common building materials [Online resource]

Koppel, Tarmo; Shishkin, Andrei; Toropovs, Nikolajs; Haldre, Heldur; **Hussainova, Irina**; Mironovs, Viktors; **Tint, Piia** 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [6] p. : ill <https://doi.org/10.1109/RTUCON.2016.7763144>

Introduction

Mellikov, Enn Tallinna Tehnikaülikooli ülevaated. K, Chemistry = Reports of Tallinn Technical University. K, Chemistry = Отчеты Таллинского технического университета. K, Chemistry : Chair of Semiconductor Materials Technology : activity report 1988-1993

1994 / p. 5 https://www.ester.ee/record=b1065473*est

Investigation of different carbon nanotube reinforcements for fabricating bulk AlMg5 matrix nanocomposites

Kallip, Kaspar; Leparoux, Marc; AlOgab, Khaled A. Journal of alloys and compounds 2015 / p. 710-718 : ill

<http://dx.doi.org/10.1016/j.jallcom.2015.06.169>

Investigation of morphology changes on nanocrystalline diamond film surfaces during reciprocating sliding against

Si3N4 balls

Bogatov, Andrei; Podgurski, Vitali; Raadik, Taavi; Kamjula, A. R.; Hantschel, Thomas; Tsigkourakos, M.; **Kulu, Priit** Engineering materials & tribology XXII 2014 / p. 126-129 <https://doi.org/10.4028/www.scientific.net/KEM.604.126> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of residual stresses and some elastic properties of brush-plated gold and silver galvanic coatings

Lille, Harri; Kõo, Jakob; Rjabtšikov, Aleksander; Reitsnik, Renno; **Veinthal, Renno; Mikli, Valdek; Sergejev, Fjodor** Engineering materials and tribology 2013 / p. 125-130 : ill

Investigation of residual stresses in flame sprayed Ni-based wear resistant coatings by the hole-drilling and X-ray methods

Ryabchikov, Alexander; Lille, Harri; Reitsnik, Renno; Toropov, Stanislav; **Surženkov, Andrei; Kulu, Priit** International Conference on Residual Stresses 9 (ICRS 9) : selected, peer reviewed papers from the 9th International Conference on Residual Stresses (ICRS 9), October 7-9, 2012, Garmisch-Partenkirchen, Germany 2014 / p. 144-149 <https://doi.org/10.4028/www.scientific.net/MSF.768-769.144> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of severe plastic deformation processes for aluminum based composites = Alumiiniumi baasil komposiitide süvaplatsse deformatsiooni protsesside uurimine

Pramono, Agus 2016 <https://digi.lib.ttu.ee/i/?7098> https://www.ester.ee/record=b4640507*est

Investigation of some properties of brush-plated gold and silver galvanic coatings

Lille, Harri; Kõo, Jakob; Ryabchikov, Alexander; Reitsnik, Renno; **Mikli, Valdek; Sergejev, Fjodor** Proceedings of the 2nd International Conference Optimization and Analysis of Structures : Tartu, Estonia, August 25-27, 2013 2013 / p. 101-107 : ill

Investigation of the fatigue mechanics aspects of PM hardmetals and cermets = Pulberkõvasulamite ja -kermiste väsimusmehaanika aspektide uurimine

Sergejev, Fjodor 2007 https://www.ester.ee/record=b2350243*est

Jet milling of the powders for Nd-Fe-B sintered magnets

Mural, Zorjana; Kollo, Lauri; Veinthal, Renno 2014 International Conference on NdFeB Magnets : Supply Chain, Critical Properties, & Applications : proceedings : March 2-5th, 2014, New Century Grand Hotel Ningbo 2014 / p. 180-183 : ill

Ka karastatud klaas on klaas

Kulu, Priit Inseneria 2014 / lk. 8-9 : ill https://artiklid.elnet.ee/record=b2687412*est

Karbiidteraste kulumiskindlus abrasiivjoas : magistritöö : (vene keeles)

Annuka, Harri 1992 http://www.ester.ee/record=b2488716*est

Kas Eestile on tarvis oma metallurgiatööstust?

Kulu, Priit Insenerikultuur Eestis. 1 1992 / lk. 71-75 https://www.ester.ee/record=b1063622*est

Katsetus- ja kalibreerimistegevus mehaanika ja metroloogia katselaboris

Päärsoo, Riho TTÜ mehaanikateaduskond. Eesti Masinatööstuse Liit 2011 / lk. 74-78 : fot http://www.ester.ee/record=b2720689*est

Keevisõbluste mittepurustav katsetamine [Võrguteavik] : kapillaarkatse. Aktsepteerimise tasemed = Non-destructive testing of welds : penetrant testing. Acceptance levels (ISO 23277:2015)

2015 http://www.ester.ee/record=b4532450*est

Keevisõbluste mittepurustav katsetamine [Võrguteavik] : katsetamine ultraheliga. Meetodid, katsetamise tasemed ja hindamine = Non-destructive testing of welds : ultrasonic testing. Techniques, testing levels, and assessment (ISO 17640:2010)

2015 http://www.ester.ee/record=b4456155*est

Keevisõbluste mittepurustav katsetamine [Võrguteavik] : magnetpulberkatse. Aktsepteerimise tasemed = Non-destructive testing of welds : magnetic particle testing. Acceptance levels (ISO 23278:2015)

2015 http://www.ester.ee/record=b4532453*est

Keevitajate atesteerimine : sulakeevitus. Osa 1, Terased = Qualification test of welders : fusion welding. Part 1, Steels

2013 https://www.ester.ee/record=b2908427*est

Keevitamine : MIG/MAG-keevitus

Laansoo, Andres 2014 https://www.ester.ee/record=b3071456*est

Keevitus ja külgnevad protsessid [Võrguteavik] : keevisliidete tähistamine tingmärkidega joonistel = Welding and allied processes : symbolic representation on drawings. Welded joints (ISO 2553:2013)

2015 http://www.ester.ee/record=b4478056*est

Keevitus ja külgnevad protsessid [Võrguteavik] : protsesside nomenklatuur ja viitenumbrid = Welding and allied processes : nomenclature of processes and reference numbers (ISO 4063:2009, Corrected version 2010-03-01)

2016 http://www.ester.ee/record=b4604543*est

Keevitus [Võrguteavik] : terase, nikli, titaani ja nende sulamite sulakeevitusliited (välja arvatud kiirguskeevituse meetodid) ; Kvaliteeditasemed keevitusdefektide järgi = Welding : fusion-welding joints in steel, nickel, titanium and their alloys (beam welding excluded) ; Quality levels for imperfections (ISO 5817:2003)

2015 http://www.ester.ee/record=b4502650*est

Keevituse vooluallikate valik ja koormatavus

Laansoo, Andres Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1997 / lk. 4-5 https://www.ester.ee/record=b5668719*est

Keevitusinverterid

Laansoo, Andres Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1996 / lk. 10-11 : ill https://www.ester.ee/record=b5668719*est

Keevitusmaterjalid : standardid, markeering, koostis, omadused : [käsiraamat]

1995 https://www.ester.ee/record=b1068939*est

Keevitustehnoloogia

Laansoo, Andres 2011 http://www.ester.ee/record=b2738782*est <https://digikogu.taltech.ee/et/Item/da9f0818-d5d9-4a5e-9355-ed5d225e09f3>

Keevitustööd : õppematerjal kutsekoolidele

Laansoo, Andres; Pihl, Toomas 2014 https://www.ester.ee/record=b4443922*est

Kellest saab TTÜ uus rektor? : Mente et Manu küsib

Aaviksoo, Jaak; **Kübarsepp, Jakob**; **Salupere, Andrus**; Ustav, Mart Mente et Manu 2015 / lk. 4-8 : fot https://artiklid.elnet.ee/record=b2718124*est

Kempomig seeria keevitusseadmed; Multisüsteemsed PSS-seeria keevituse vooluallikad

Laansoo, Andres Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1996 / lk. 4-6: ill https://www.ester.ee/record=b5668719*est

"Kitsas" ja "lai" matemaatika

Kübarsepp, Jakob Postimees 2014 / lk. 13

Kolm küsimust doktoriõppe süsteemi kohta

Kirm, Marco; **Veinthal, Renno**; Niglas, Katrin; Jaakma, Ülle Sirp 2016 / lk. 36-37 <http://www.sirp.ee/s1-artiklid/c21-teadus/kolm-kusimust-doktoriõppe-susteemi-kohta/>

Komposiitmaterjalid

Arensburger, Daniil 2005 http://www.ester.ee/record=b2033458*est <https://digikogu.taltech.ee/et/Item/440a9e03-5695-4d7f-8a1f-fb91b9def74c>

Komposiitmaterjalid : täienduskursus : november 2007 - jaanuar 2008

Veinthal, Renno 2008 https://www.ester.ee/record=b4652765*est

Konstruksioonimaterjalide mehaanika : täienduskursus : jaanuar 2008 - märts 2008 : põhineb projektil "Täiendkoolituse ja e-õppe süsteemi väljaarendamine materjali-tehnoloogidele ja kvaliteediinseneridele polümeer- ja komposiitmaterjalide valdkonnas Põhjamaade ja Euroopa tehnikaülikoolide kogemustest lähtudes"

Saarna, Mart 2008? https://www.ester.ee/record=b4652774*est

Kuidas hoiduda arengulõksust?

Veinthal, Renno; **Lopp, Margus**; **Kattel, Rainer**; **Öpik, Andres**; **Kamratov, Ardo** Mente et Manu 2014 / lk. 4-7 : fot https://www.ester.ee/record=b1242496*est

Kuumstantsiste projekteerimine : metoodiline materjal

1992 https://www.ester.ee/record=b1063345*est

Laboratoorsete tööde juhendid metalliõpetuses

1996 https://www.ester.ee/record=b1058051*est

Laboratoorsete tööde juhendid metalliõpetuses. II

1998 https://www.ester.ee/record=b1207471*est

Laboratory testing of materials for tunnel boring machine drag bits

Katušin, Dmitri; Antonov, Maksim; Vu, Trieu Minh; Yung, Der-Liang 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 300-303 : ill

Laser ablation and thermal evaporation of thin films and structures

Podgurski, Vitali 2001 https://www.ester.ee/record=b1507144*est

Low temperature, spark plasma sintering behavior of zirconia added by a novel type of alumina nanofibers

Voltšihhin, Nikolai; Rodriguez, Miguel Angel; **Hussainova, Irina; Aghayan, Marina** Ceramics international 2014 / p. 7235-7244 : ill
<https://doi.org/10.1016/j.ceramint.2013.12.063> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Maaailma ja Eesti kõrghariduse trendid

Kübarsepp, Jakob Elektriala 2015 / lk. 8-10 : fot https://artiklid.elnet.ee/record=b2740336*est

Malmi keevitamine

Laansoo, Andres Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1997 / lk. 8 https://www.ester.ee/record=b5668719*est

Mapping of impact-abrasive wear performance of WC-Co cemented carbides

Antonov, Maksim; Veinthal, Renno; Yung, Der-Liang; Katušin, Dmitri; Hussainova, Irina Wear 2015 / p. 971-978 : ill
<https://doi.org/10.1016/j.wear.2015.02.031> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Masinaehitus ja metallitööstus läbi aegade

Kulu, Priit Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80 2016 / lk. 26-46 : ill

Masinaehitusmaterjalid. VI, Terasse markeerimise põhimõtteid : metoodiline materjal

1993 https://www.ester.ee/record=b1064033*est

Masinatööstuse erialaliidud Eestis (EML 80)

Höbemägi, Aleksei; **Kulu, Priit; Riives, Jüri** Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80 2016 / lk. 16-25 : ill

Materjaliteadus [TTÜs]

Kulu, Priit 75 aastat Tallinna Tehnikaülikooli 1994 / lk. 46-51 https://www.ester.ee/record=b1066846*est

Materjaliteaduse hetkeseisust Eestis

Kulu, Priit Eesti teadlaste kongress, 11.-15. augustini 1996. a. Tallinnas : ettekannete kokkuvõtted 1996 / lk. 257
https://www.ester.ee/record=b1052731*est

Materjaliteaduse koolkonnad Tehnikaülikoolis

Kulu, Priit Insenerikultuur Eestis. 2 1995 / lk. 79-83: ill https://www.ester.ee/record=b1063622*est

Materjalitehnika : õpik kõrgkoolidele. 1

Kulu, Priit; Kübarsepp, Jakob; Laansoo, Andres; Veinthal, Renno 2015 https://www.ester.ee/record=b4459279*est
<https://digikogu.taltech.ee/et/Item/c783c117-2ac8-4a7a-8417-21c90918ed51>

Materjalitehnika : õpik kõrgkoolidele. 2

Kulu, Priit; Kübarsepp, Jakob; Laansoo, Andres; Veinthal, Renno 2015 https://www.ester.ee/record=b4459287*est
<https://digikogu.taltech.ee/et/Item/4ab40e78-b578-4dcc-aa3e-6516e8fa33c9>

Materjalitehnika : õpperaamat

Hendre, Enn; Kulu, Priit; Kübarsepp, Jakob; Metusala, Tiit; Tapupere, Olev 2003 http://www.ester.ee/record=b1809587*est

Materjalitehnika instituudi teadustegevus : kaasaegsed multifunktsionaalsed materjalid ja nende rakendused

Veinthal, Renno TTÜ mehaanikateaduskond. Eesti Masinatööstuse Liit 2011 / lk. 43-52 : ill., fot
http://www.ester.ee/record=b2720689*est

Materjalitehnika instituut

Kulu, Priit; Sergejev, Fjodor Mehaanikainseneride koolitus 1998-2016 2016 / lk. 92-115 : ill., fot
https://www.ester.ee/record=b4640989*est

Materjalitehnika seletav sõnaraamat : eesti, inglise, vene

Kübarsepp, Jakob; Kulu, Priit; Laansoo, Andres; Karjust, Kristo; Saarna, Mart 2013 http://www.ester.ee/record=b2931759*est

Materjalitehnika seletav sõnaraamat : eesti-inglise-vene

Kübarsepp, Jakob; Kulu, Priit; Laansoo, Andres; Karjust, Kristo; Saarna, Mart 2016 <https://digikogu.taltech.ee/et/Item/b67162fb-6378-49d9-afe6-689539612fd0>

Materjalitehnika seletav sõnaraamat : eesti-inglise-vene

Kübarsepp, Jakob; Kulu, Priit; Laansoo, Andres; Karjust, Kristo; Saarna, Mart 2014 http://www.ester.ee/record=b4763202*est

Materjalitehnika seletav sõnaraamat : eesti-inglise-vene

Kübarsepp, Jakob; Kulu, Priit; Laansoo, Andres 2014 http://www.ester.ee/record=b4763379*est

Materjalitehnika seletav sõnaraamat : inglise-eesti terminite register

2014 http://www.ester.ee/record=b4763208*est <https://digikogu.taltech.ee/et/Item/a5c09027-1f8d-41bf-857d-a6075e035322>

Materjalitehnika seletav sõnaraamat : vene-eesti terminite register

2014 http://www.ester.ee/record=b4763209*est

Materjalitehnika. Tehnoloogiaprotsessid : laboratoorsete ja kodutööde juhendid

2008 http://www.ester.ee/record=b2358983*est

Materjaliõpetus : juhendmaterjalid ja ülesanded materjalitehnika bakalaureuseõppe materjaliõpetuse kodu-, aine- ja lõputöödeks

2003 http://www.ester.ee/record=b1824518*est

Materjaliõpetuse laboratoorsete tööde juhend

2007 https://www.ester.ee/record=b2229760*est

Materjaliõpetuse praktikumide ja kodutööde juhendid

2010 https://www.ester.ee/record=b2624752*est <https://digikogu.taltech.ee/et/Item/5315a9bb-9e25-400a-89c3-9d0f1c3f03f7>

Measurement of geometry of small axisymmetric sheet metal component after forming

Lend, Henri; Ratas, Kaarin; Peetsalu, Priidu Medžiagotyra = Materials science 2015 / p. 473-478 : ill

<https://doi.org/10.5755/j01.ms.21.3.7384> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Measurement of residual stresses in the cold-rolled Fe-Ni-Mn/Invar thermo-bimetallic plate

Lille, Harri; Kõo, Jakob; Valgur, Jaak; Ryabchikov, Alexander; Reitsnik, Renno; Veinthal, Renno International Conference on Residual Stresses 9 (ICRS 9) : selected, peer reviewed papers from the 9th International Conference on Residual Stresses (ICRS 9), October 7-9, 2012, Garmisch-Partenkirchen, Germany Materials science forum 2014 / p. 101-106

<https://doi.org/10.4028/www.scientific.net/MSF.768-769.101> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Mechanical and physical properties of thermally modified wood flour reinforced polypropylene composites

Kallakas, Heikko; Martin, Mihkel; Goljandin, Dmitri; Poltimäe, Triinu; Krumme, Andres; Kers, Jaan Agronomy research 2016 / p. 994-1003 : ill http://ise.elnet.ee/record=b2891902~S1*est [Journal metrics at Scopus](#) [Article at Scopus](#)

Mechanical properties of aluminum, zirconium, hafnium and tantalum oxides and their nanolaminates grown by atomic layer deposition

Jõgiaas, Taivo; Zabels, Roberts; Tamm, Aile; Merisalu, Mairo; Hussainova, Irina Surface and coatings technology 2015 / p. 36-42 : ill <https://doi.org/10.1016/j.surfcoat.2015.10.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanical treatment of metal wastes

Kulu, Priit; Tümanok, Aleksei; Arensbürger, Daniil Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / l. 7-8 https://www.ester.ee/record=b1492085*est

Mehaanikainseneri käsiraamat

2015

Mehaanikainseneri käsiraamat

2013 https://www.ester.ee/record=b3007631*est

Mehaanikainseneride koolitus 1998-2016

2016 https://www.ester.ee/record=b4640989*est

Mehaanikateaduskond

2013 http://www.ester.ee/record=b2960912*est

Mehaanikateaduskond = Faculty of Mechanical Engineering

2009 https://www.ester.ee/record=b2545318*est

Mehaanikateaduskond 75 : [ettekannet juubeliaktusel 30. septembril TTÜ aulas]
Otto, Tauno; Kulu, Priit Tallinna Tehnikaülikooli aastaraamat 2011 2012 / lk. 37-45

Mehaanikateaduskond 2008

2008 https://www.ester.ee/record=b2421266*est

Mehaanikateaduskond 2011

Otto, Tauno; Kulu, Priit TTÜ mehaanikateaduskond. Eesti Masinatööstuse Liit 2011 / lk. 26-32
http://www.ester.ee/record=b2720689*est

Mehaanikateaduskonna hetkeseisust ja tulevikust : [ettekannet mehaanikainseneride päeval 27. septembril 2013 TTÜs]

Otto, Tauno; Sergejev, Fjodor Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 191-193

Mehaanikateaduskonna roll Eesti masinatööstuses

Kulu, Priit Eesti Masinatööstuse Liit 1991-2006 2006 / lk. 44-49 : portr https://www.ester.ee/record=b2191227*est

Mehhanotehnika valdkonna kutsestandardid : [ettekannet mehaanikainseneride päeval 27. septembril 2013 TTÜs]

Kulu, Priit; Paist, Aadu Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 213-215

Metal powder/fly ash cenosphere/modified clay composite

Šiškins, Andrejs; Mironovs, Viktors; Zemčenkovs, Vjačeslavs; **Hussainova, Irina** Euro PM2014 proceedings : PM Functional Materials 2014

Metallid 3D-sse

Veinthal, Renno; Kollo, Lauri; Pohlak, Meelis Äripäev 2015 / Tööstus, lk. 36-38

Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine. Keevitusprotseduuri katse. Osa 1, Teraste gaas- ja kaarkeevitus 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 15614-1:2004+A1:2008+A2:2012)

2013 https://www.ester.ee/record=b2908512*est

Metallide korrosioon ja korrosioonitõrje : loengukonspekt

Talimets, Ellen 2004 https://www.ester.ee/record=b1926933*est

Metallide tehnoloogia kateeder 1947-1992. Materjalitehnika instituut 1992-2016

2016 http://www.ester.ee/record=b4649065*est

Metallide tööiga : korrosioon, kulumine, väsimine, roomavus

Kallas, Paul; Kulu, Priit 1994 https://www.ester.ee/record=b1066558*est

Metalliõpetus

Kulu, Priit 2005 http://www.ester.ee/record=b2071764*est

Metalliõpetus ja metallide tehnoloogia : eesti-inglise-saksa-vene terminid ja määratlused

1997 https://www.ester.ee/record=b1053791*est

Metalliõpetus ja metallide tehnoloogia. III, Keevitus. Termolõikamine. Jootmine. Termopindamine : eesti-inglise-saksa-vene terminid ja määratlused

1999 https://www.ester.ee/record=b1059860*est

Metalliõpetus ja metallide tehnoloogia. IV, Mehaanilised omadused ja teimimine. Mittepurustav kontroll : eesti-inglise-saksa-vene terminid ja määratlused

2001 http://www.ester.ee/record=b1540220*est

Metalliõpetuse laboratoorsete tööde juhendid

2000 https://www.ester.ee/record=b1059269*est

Metallobjektide 3D-printimine - uued võimalused ja väljakutsed

Pohlak, Meelis; Veinthal, Renno Eesti Päevaleht 2015 / Metallileht, lk. 2

Metrological overview for coordinate measuring machines

Dhoska, Klodian; Kübarsepp, Toomas; Dorri, Altin; Pramono, Agus Instrumentation and measurement systems 2015 / p. 195-199 : ill <http://dx.doi.org/10.4028/www.scientific.net/AMM.771.195>

Micromechanical properties and electrical conductivity of Cu and Cu-0.7wt% Cr alloy

Kommel, Lembit; Pardis, N.; **Kimmari, Eduard** Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 354-359 : ill

Microstructural aspects of thermal sprayed WC-Co coatings and Ni-Cr coated steels = WC-Co termopinnete ja Ni-Cr pinnatud teraste metallograafilised aspektid

Peetsalu, Priidu 2007 https://www.ester.ee/record=b2315917*est

Microstructure and properties of UFG metals and alloys

Kommel, Lembit XII International Conference on Nanostructured Materials (NANO 2014) : July 13-18, 2014 : program 2014 / p. 103

Microstructure evolution and mechanical properties investigation of friction stir welded AlMg5-Al2O3 nanocomposites

Babu, N. Kishore; **Kallip, Kaspar**; Leparoux, Marc TMS 2016 : 145 Annual Meeting & Exhibition : supplemental proceedings 2016 / p. 729-736 : ill http://dx.doi.org/10.1007/978-3-319-48254-5_87

Microstructure evolution of WC-TiC-CO cemented carbides during reactive sintering

Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

Microstructure evolution of WC-TiC-Co cemented carbides during reactive sintering [Electronic resource]

Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Traksmäe, Rainer; Letunovits, Sergei Proceedings of the 18th Plansee Seminar : International Conference on Refractory Metals and Hard Materials : Reutte/Austria, 3-7 June, 2013 2013 / p. HM 70/1-HM 70/7 [CD-ROM]

Microstructure formation of (Ti, Mo)C-Ni cermet

Jõelet, Marek; Pirso, Jüri; Juhani, Kristjan TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

Microstructure, mechanical, and impression creep properties of AlMg5-0.5 vol% Al2O3 nanocomposites

Talari, Mahesh Kumar; Babu, N. Kishore; **Kallip, Kaspar** Advanced engineering materials 2016 / p. 1958-1966 : ill <http://dx.doi.org/10.1002/adem.201600301>

Microstructure, texture and mechanical properties of cyclic expansion-extrusion deformed pure copper

Pardis, N.; Chen, C.; Ebrahimi, R.; **Kommel, Lembit** Materials science and engineering : A 2015 / p. 423-432 : ill <https://doi.org/10.1016/j.msea.2015.01.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Miks ei edene doktoriõpingud?

Veinthal, Renno Mente et Manu 2016 / lk. 4-6 : fot https://artiklid.elnet.ee/record=b2758758*est

Milling metal chips into raw material of powder metallurgy by collision method

Aljas, Eerik; Goljandin, Dmitri; Tümanok, Aleksei Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / l. 60-61: ill https://www.ester.ee/record=b1492085*est

Mittepurustav katsetamine [Võrguteavik] : kapillaarkatse ja magnetpulberkatse. Vaatlemise tingimused (ISO 3059:2012) = Non-destructive testing : penetrant testing and magnetic particle testing. Viewing conditions (ISO 3059:2012)

2016 http://www.ester.ee/record=b4603989*est

Model of fracture micromechanism of Cu-Cr-Zr system by "in-situ tensile test in SEM"

Besterci, Michal; Ivan, Jozef; **Kulu, Priit; Arensbürger, Daniil**; Velgosova, Oksana Journal of mining and metallurgy. B, Metallurgy 2003 / p. 499-507 : ill https://www.researchgate.net/publication/47393844_Model_of_fracture_micro_mechanism_of_Cu-Cr-Zr_system_by_in-situ_tensile_test_in_SEM

Molar mass and temperature dependence of the thermodiffusion of polyethylene oxide in water/ethanol mixtures

Wang, Zilin; Afanasenkou, Dzmitry; **Dong, Minjie**; Huang, Danni; Wiegand, Simone Journal of chemical physics 2014 / art. 064904, 8 p. : ill <https://doi.org/10.1063/1.4891720> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Monoterilised pooljuhtpulbrid päikeseenergeetikale = Monograin semiconductor powders for solar energetics

Hiie, Jaan; Altosaar, Mare; Krunks, Malle; Mellikov, Enn XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 39-40 https://www.ester.ee/record=b1070511*est

Morphological changes on diamond and DLC films during sliding wear = Morfoloogilised muutused teemant- ja teemandilaadsetel pinnitel liugkulumisel

Bogatov, Andrei 2015 http://www.ester.ee/record=b4447899*est

Nanocrystalline diamond films deformation observed during sliding tests against Si₃N₄ balls as a possible cause for

ripple formation on wear scars surface

Bogatov, Andrei; Viljus, Mart; Raadik, Taavi; Hantschel, Thomas; **Podgurski, Vitali** Medžiagotyra = Materials science 2015 / p. 349-352 : ill <https://doi.org/10.5755/j01.ms.21.3.7232> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nanoparticulate reinforced aluminum alloy composites produced by powder metallurgy route

Kallip, Kaspar; Kollo, Lauri; Leparoux, Marc; Bradbury, Christopher R. Advanced composites for aerospace, marine, and land applications II : proceedings of a symposium sponsored by The Minerals, Metals & Materials Society (TMS) held during TMS 2015, March 15-19, 2015, Walt Disney World, Orlando, Florida, USA 2015 / p. 165-174 <http://dx.doi.org/10.1002/9781119093213>

Neljakümne aasta järel uus käsiraamat mehaanikainseneridele : sõnavõtt "Mehaanikainseneri käsiraamatu" esitlusel 21. juunil 2012 TTÜ raamatukogus

Kulu, Priit Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 279-281

NeTTUN project : how to increase the lifetime of TBM drag bits?

Fridrici, V.; **Antonov, Maksim; Katušin, Dmitri; Yung, Der-Liang; Veinthal, Renno; Hussainova, Irina** 2nd Eastern European Tunnelling Conference "Tunneling in a Challenging Environment", Making tunneling business in difficult times : EETC 2014, Athens, Greece, 28 September - 1 October 2014 2014

New methodology for the antifungal testing of surfactant-free silver metal nanoparticles for applications in green housing

Küüna, Siim; Kutti, Sander; Rauwel, Protima; Wragg, David; **Hussainova, Irina; Rauwel, Erwan** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 133-138 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.133> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Non-equilibrium grain boundaries with excess energy in graphene

Romanov, A. E.; Kolesnikova, A. L.; Orlova, T. S.; **Hussainova, Irina;** Bougrov, V. E.; Valiev, R. Z. Carbon 2015 / p. 223-231 : ill <https://doi.org/10.1016/j.carbon.2014.09.053> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Norma 125 : ämbritest plekkpurkide ja turvavöödeni

Kulu, Priit Inseneeria 2016 / lk. [50]-51 : ill https://artiklid.elnet.ee/record=b2766802*est

Novel alumina-nanocarbon hybrids

Hussainova, Irina; Anoshkin, Ilya; **Ivanov, Roman; Kübarsepp, Jakob** 38th International Conference & Exposition on Advanced Ceramics and Composites : abstract book : January 26-31, 2014, Daytona Beach, Florida 2014 / p. 117

Novel methods for hardmetal production and recycling = Uudsed meetodid WC-Co kõvasulamite valmistamiseks ja taaskasutamiseks

Joost, Renee 2010 https://www.ester.ee/record=b2604910*est

Novel synthesized and milled carbide-based composite powders for HVOF spray = Uudsed sünteesitud ja jahvatatud karbiidide baasil komposiitpulbrid kiirleekpihustuseks

Sarjas, Heikki 2016 https://www.ester.ee/record=b4569666*est

Novel WC-Co spray powders and HVOF sprayed coatings on their bases

Sarjas, Heikki; Kulu, Priit; Juhani, Kristjan; Vuoristo, Petri Surface Modification Technologies XXVIII : proceedings of the Twenty Eighth International Conference on Surface Modification Technologies : Tampere University of Technology, Tampere, Finland, June 16-18, 2014 2015 / p. 35-42 : ill

Novel wear resistant WC-based thermal sprayed coatings

Zimakov, Sergei 2004 https://www.ester.ee/record=b1988316*est

Novel wear resistant WC-based thermal sprayed coatings

Zimakov, Sergei; Kulu, Priit 2004 https://www.ester.ee/record=b1953734*est

Nutikas spetsialiseerumine ja selle kolm vaala : [teemat kommenteerivad Enn Saar, Renno Veinthal, jt.]

Saar, Enn; **Veinthal, Renno** Inseneeria 2013 / lk. 14-18 : ill https://artiklid.elnet.ee/record=b2654800*est

On determination of residual stresses in some PVD coatings by the curvature method

Lille, Harri; Ryabchikov, Alexander; **Lind, Liina; Sergejev, Fjodor; Adoberg, Eron; Peetsalu, Priidu** Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 378-382 : ill

Optimization of hardmetal reinforcement content in Fe-based hardfacings for abrasive-impact wear conditions

Surženkov, Andrei; Tarbe, Riho; Tarraste, Marek; Simson, Taavi; Viljus, Mart; Kulu, Priit European Conference on Heat Treatment 2016 and 3rd International Conference on Heat Treatment and Surface Engineering in Automotive Applications : 11-13 May 2016, Prague, Czech Republic, Břevnov Monastery 2016 / [10] p. : ill

Optimization of mechanical strength of titania fibers fabricated by direct drawing

Hanschmid, Kelli; Tätte, Tanel; **Hussainova, Irina** Applied physics. A, Materials science & processing 2013 / p. 663-671 : ill <https://doi.org/10.1007/s00339-013-7601-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimization of reinforcement content of powder metallurgy hardfacings in abrasive wear conditions

Simson, Taavi; Kulu, Priit; Surženkov, Andrei; Tarbe, Riho; Viljus, Mart; Tarraste, Marek; Goljandin, Dmitri Proceedings of the Estonian Academy of Sciences 2016 / p. 90-96 : ill https://artiklid.elnet.ee/record=b2768203*est <https://doi.org/10.3176/proc.2016.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Order change and phase's redistribution in single crystal of Ni-based superalloy during hard cyclic viscoplastic deformation

Kommel, Lembit; Kodess, Boris N.; **Kommel, Igor** Acta crystallographica section A : foundations and advances 2016 / p. 304 <http://journals.iucr.org/a/issues/2016/a1/00/a54456/a54456.pdf>

Oxygen electroreduction on platinum nanoparticles activated electrodes deposited onto D-glucose derived carbon support in 0.1 M KOH

Taleb, Masoud; Nerut, Jaak; Tooming, Tauno; Thomberg, Thomas; Lust, Enn Journal of The Electrochemical Society 2016 / p. F1251-F1257 <https://doi.org/10.1149/2.1051610jes> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Particle reinforced polymer composites resistance to three body abrasive wear

Aruniit, Aare; Antonov, Maksim; Kers, Jaan; Krumme, Andres TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

Particle size and proportion influence to impact properties of particulate polymer composite

Aruniit, Aare; Kers, Jaan; Krumme, Andres; Peetsalu, Priidu Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 325-330 : ill

Performance of tool materials in blanking = Tööriistamaterjalide toimivus väljalõikestantsimisel

Tšinjan, Aleksei 2012

Performance of tool steels strengthened by PVD coatings

Klaasen, Heinrich; Kübarsepp, Jakob; Tšinjan, Aleksei; Adoberg, Eron; Vainola, Vello World PM 2010 : International Powder Metallurgy Congress & Exhibition : 10th October – 14th October 2010 : Fortezza da Basso, Florence, Italy 2010 / [6] p

Phase equilibrium evolution in single-crystal Ni-based superalloys

Kommel, Lembit Super alloys 2015 / p. 171-202 : ill <http://dx.doi.org/10.5772/61102>

Physical-chemical interaction in NiAl-MeB₂ systems intended for tribological applications

Umanskyi, Oleksandr; Poliarus, Olena; Ukrainets, Maksym; **Antonov, Maksim** Welding journal 2015 / p. 225-230 : ill <https://aws-p-001-delivery.sitecorecontenthub.cloud/api/public/content/de3281a8c6654d108b8b8dfcdf286c4b?v=1c0c676e> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Plasma transferred arc hardfacings reinforced by chromium carbide-based cermet particles

Zikin, Arkadi; Hussainova, Irina; Winkelmann, Horst; **Kulu, Priit**; Badisch, Ewald Proceedings of the Heat Treatment and Surface Engineering 19th Congress : Glasgow, Scotland, 17-20 October, 2011 2011 / [5] p. : ill

Predictive tools for the isothermal hardening of strip steel parts in molten salt

Jaason, Karli; Peetsalu, Priidu; Saarna, Mart; Beilmann, Jüri Proceedings of the Estonian Academy of Sciences 2016 / p. 152-158 : ill https://artiklid.elnet.ee/record=b2768223*est <https://doi.org/10.3176/proc.2016.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Preface : [BALTMATTRIB 2015]

Kulu, Priit Proceedings of the Estonian Academy of Sciences 2016 / p. 89 https://artiklid.elnet.ee/record=b2768201*est

Processing and mechanical properties of ZrC-ZrO₂ composites

Voltšihin, Nikolai; Hussainova, Irina; Kübarsepp, Jakob; Traksmaa, Rainer Engineering materials & tribology XXII 2014 / p. 258-261 <https://doi.org/10.4028/www.scientific.net/KEM.604.258> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Processing and properties of bulk ultrafine-grained pure niobium

Kommel, Lembit; Kimmari, Eduard; Saarna, Mart; Viljus, Mart Journal of materials science 2013 / p. 4723-4729 : ill <https://doi.org/10.1007/s10853-013-7210-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Processing and properties of zirconia toughened WC-based cermets

Hussainova, Irina; Voltšihhin, Nikolai; Cura, M. Erkin; Hannula, Simo-Pekka Proceedings of the 37th Int'l Conf & Expo on Advanced Ceramics & Composites (ICACC 2013) 2013 / 1-7 : ill

Processing and properties of zirconia toughened WC-based cermets

Hussainova, Irina; Voltšihhin, Nikolai; Cura, M. Erkin; Hannula, Simo-Pekka Advanced processing and manufacturing technologies for structural and multifunctional materials VII : a collection of papers presented at the 37th International Conference on Advanced Ceramics and Composites, January 27-February 1, 2013, Daytona Beach, Florida 2014 / p. 97-103
<https://ceramics.onlinelibrary.wiley.com/doi/abs/10.1002/9781118807965.ch11> Conference proceedings at Scopus Article at Scopus

Processing of industrial metal scrap by mechanical means

Kulu, Priit; Tümanok, Aleksei United Nations Economic Commission for Europe (UN ECE) Working Party on Steel : Seminar on the Processing, Utilization and Disposal of Waste in the Steel Industry : Balatonszeplak (Hungary), 3-6 June 1996 1996 / [9] p.: ill

Processing of recycled hard particle powders by PTA-technology

Zikin, Arkadi; Ilo, S.; **Kulu, Priit;** Katsich, Christian; Badisch, Ewald; **Hussainova, Irina** 20th International Baltic Conference Materials Engineering 2011, October 27-28, Kaunas, Lithuania : book of abstracts 2011 / p. 43

Processing of ZrC-TiC composites by SPS

Yung, Der-Liang; Hussainova, Irina; Rodriguez, Miguel Angel; **Traksmaa, Rainer** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 94-99 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.94> Conference Proceedings at Scopus Article at Scopus

Production of superhard carbon rich boron carbon (B_{11.72}C_{3.28}) based composite in the B₄C-Al-WC-Co-Cu system through SHS and SPS techniques [Electronic resource]

Kommel, Lembit; Tarraste, Marek; Kolnes, Märt; Veinthal, Renno; Kübarsepp, Jakob Euro PM2015 Congress & Exhibition : proceedings : 4-7 October 2015, Reims Congress Centre, Reims, France 2015 / [6] p. : ill. [USB]

Properties of steel powder prepared from bearing steel turnings

Selecka, M.; Šalák, A.; **Kulu, Priit** Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / l. 20-23: ill
https://www.ester.ee/record=b1492085*est

Pultruding of metal powder filled glass fiber reinforced polymer composites

Rummo, Henri; Veinthal, Renno; Aruniit, Aare Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 48-53 : ill <https://doi.org/10.4028/www.scientific.net/KEM.674.48> Conference Proceedings at Scopus Article at Scopus

Punch lifetime in fine-blanking with optimum combination of mechanical properties

Veinthal, Renno; Peetsalu, Priidu; Saarna, Mart; Sergejev, Fjodor European Conference on Heat Treatment and 22nd IFHTSE Congress : Heat Treatment and Surface Engineering from tradition to innovation : Venice (Italy), 20-22 May 2015 2015 / [7] p

Põltsamaa Keskkool / Ühisgümnaasium 95 (1918-2013) : Põltsamaa Keskkooli 43. lend - 50 aastat lõpetamisest (1963-2013)

2013 https://www.ester.ee/record=b5286130*est

Quantifying graphitic edge exposure in graphene-based materials and its role in oxygen reduction reactions

Stamatin, Serban; **Hussainova, Irina; Ivanov, Roman;** Colavita, Paula E. ASC catalysis 2016 / p. 5215-5221 : ill
<https://doi.org/10.1021/acscatal.6b00945> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Rahvusvaheline koostöö ülikoolide ja teadusasutustega

Kulu, Priit Mehaanikainseneride koolitus 1998-2016 2016 / lk. 57-63 https://www.ester.ee/record=b4640989*est

Rakendusuringud materjalitehnoloogia valdkonnas : [ettekanne mehaanikainseneride päeval 27. septembril 2013 TTÜs]

Veinthal, Renno Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 194-204 : ill

Reactive sintered chromium and titanium carbide-based cermets = Reaktsioonpaagutatud kroom- ja titaankarbiidsed kermised

Juhani, Kristjan 2009 https://www.ester.ee/record=b2498183*est

Reactive sintering of bimodal WC-Co hardmetals

Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri; Viljus, Mart Medziagotyra = Materials science 2015 / p. 382-385 : ill
<https://doi.org/10.5755/j01.ms.21.3.7511> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Reactive sintering of ZrC-TiC composites

Yung, Der-Liang; Kollo, Lauri; Hussainova, Irina; Zikin, Arkadi Engineering materials and tribology 2013 / p. 20-25
https://www.researchgate.net/publication/234110368_Reactive_Sintering_of_ZrC-TiC_Composites

Reactive sintering of WC-Cr-Co hardmetals [Electronic resource]

Juhani, Kristjan; Pirso, Jüri; Tarraste, Marek; Viljus, Mart; Letunoviš, Sergei Proceedings of the 18th Plansee Seminar : International Conference on Refractory Metals and Hard Materials : Reutte/Austria, 3-7 June, 2013 2013 / [CD-ROM]

Recycled hardmetal-based powder composite coatings : optimisation of composition, structure and properties

Kulu, Priit; Käerdi, Helmo; Surženkov, Andrei; Tarbe, Riho; Veinthal, Renno; Goljandin, Dmitri; Zikin, Arkadi International journal of materials & product technology 2014 / p. 180-202 : ill <https://doi.org/10.1504/IJMPT.2014.064038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Recycling of composite plastics = Komposiitplastide ringlus

Kers, Jaan 2006 https://www.ester.ee/record=b2208721*est

Relaxation of residual stresses in brush-plated gold and silver coatings on copper and on brass substrates

Lille, Harri; Kõo, Jakob; Ryabchikov, Alexander; Reitsnik, Renno; Sergejev, Fjodor; Dong, Minjie Residual stresses IX 2014 / p. 866-871 : ill <https://doi.org/10.4028/www.scientific.net/AMR.996.866> [Article at Scopus](#) [Article at WOS](#)

Research on optoelectronic materials at Tallinn Technical University

Mellikov, Enn; Kukk, Peeter-Enn; Krustok, Jüri Eesti teadlaste kongress, 11.-15. augustini 1996. a. Tallinnas : ettekannete kokkuvõtted 1996 / lk. 263 https://www.ester.ee/record=b1052731*est

Review of surface treatment technology in Estonia

Kulu, Priit Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / l. 4-5 https://www.ester.ee/record=b1492085*est

Riigi lennufirma omamise asemel võib teenust sisse osta

Simson, Taavi Äripäev 2015 / lk. 19

Rippling on wear scar surfaces of nanocrystalline diamond films after reciprocating sliding against ceramic balls

Podgurski, Vitali; Hantschel, Thomas; Bogatov, Andrei; Kimmari, Eduard; Antonov, Maksim; Viljus, Mart; Mikli, Valdek; Raadik, Taavi; Kulu, Priit Tribology letters 2014 / p. 493-501 : ill <https://doi.org/10.1007/s11249-014-0379-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Saateks

Kübarsepp, Jakob TTÜ mehaanikateaduskond. Eesti Masinatööstuse Liit 2011 / lk. 5-6 http://www.ester.ee/record=b2720689*est

100 aastat mehaanikainseneride koolitust

Kulu, Priit Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80 2016 / lk. 52-[70] : ill https://www.ester.ee/record=b4577314*est

100 aastat mehaanikainseneride koolitust

Kulu, Priit Mehaanikainseneride koolitus 1998-2016 2016 / lk. 9-38 : ill https://www.ester.ee/record=b4640989*est

140 aastat kirjutusmasinaid

Kulu, Priit Inseneeria 2014 / lk. 48-50 : ill https://artiklid.elnet.ee/record=b2687430*est

70 aastat mehaanikateaduskonda

2006 http://www.ester.ee/record=b2191221*est

Selection of hardmetal containing hardfacings for different abrasive conditions

Kulu, Priit; Surženkov, Andrei; Simson, Taavi; Sarjas, Heikki European Conference on Heat Treatment 2016 and 3rd International Conference on Heat Treatment and Surface Engineering in Automotive Applications : 11-13 May 2016, Prague, Czech Republic, Břevnov Monastery 2016 / [10] p. : ill

Sinter/HIP technology of TiC-based cermets = Titaankarbiidkermiste survepaagutustehnoloogia

Kollo, Lauri 2007

Sintering parameters of TiC cermets with FeCr binder

Kolnes, Märt; Kübarsepp, Jakob TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

Sliding wear behaviour of basalt containing composites with additions of either metallic and/or ceramic phases

Antonov, Maksim; Goljandin, Dmitri; Andreev, A.; Voltšihin, Nikolai; Hussainova, Irina BaltTrib 2013 : VII International Scientific Conference : proceedings 2013 / p. 67-72 : ill

Sliding wear of HVOF sprayed self-fluxing alloy matrix cermet particles reinforced composite coatings

Surženkov, Andrei; Antonov, Maksim; Mikli, Valdek; Latokartano, Jyrki; **Vilgo, Timo; Kulu, Priit** BALTRIB'2013 : VII International Scientific Conference : 14-15 November 2013, Kaunas, Lithuania : proceedings 2013 / p. 62-66
https://www.researchgate.net/publication/258862543_SLIDING_WEAR_OF_HVOF_SPRAYED_SELF-FLUXING_ALLOY_MATRIX_CERMET_PARTICLES_REINFORCED_COMPOSITE_COATINGS

Sliding wear of TiC-NiMo and Cr₃C₂-Ni cermet particles reinforced FeCrSiB matrix HVOF sprayed coatings

Surženkov, Andrei; Antonov, Maksim; Goljandin, Dmitri; Vilgo, Timo; Mikli, Valdek; Viljus, Mart; Latokartano, Jyrki; **Kulu, Priit** Estonian journal of engineering 2013 / p. 203-211 : ill <https://doi.org/10.3176/eng.2013.3.03> [Article at Scopus](#)

Solid particle erosion : occurrence, prediction and control

Kleis, Ilmar; Kulu, Priit 2008 http://www.ester.ee/record=b2368841*est

Solid particle erosion : occurrence, prognostification and control

Kleis, Ilmar; Kulu, Priit 2005 https://www.ester.ee/record=b2080005*est

Spark plasma sintered Nd-Fe-B magnets from high-energy ball milled powders

Mural, Zorjana; Kollo, Lauri; Veinthal, Renno The 24th International Workshop on Rare-Earth and Future Permanent Magnets and Their Applications (REPM 16) : 28 August - 1 September 2016, Darmstadt, Germany 2016 / p. 619-623

Spark plasma sintered ZrC-Mo cermets : influence of temperature and compaction pressure

Yung, Der-Liang; Antonov, Maksim; Hussainova, Irina Ceramics international 2016 / p. 12907-12913 : ill

<https://doi.org/10.1016/j.ceramint.2016.05.059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Spark plasma sintering of WC hardmetals with Fe-based binder [Electronic resource]

Tarraste, Marek; Kübarsepp, Jakob; Juhani, Kristjan; Suurkivi, Taavi; Pirso, Jüri World PM2016 proceedings 2016 / [6] p. : ill. [USB]

Spinel alumina nanofibers synthesis via ALD coating of alumina nanofibers

Rauwel, Erwan; Nilsen, Ola; Rauwel, Protima; Galeckas, Augustinas; Wragg, David; Walmsley, John; **Hussainova, Irina;** Soots, Karel WG2 workshop and 4th ALDCoE annual seminar : 23-24 May 2016, Helsinki, Finland : abstracts 2016 / [1] p. : ill

Steels, hardmetals and hardfacings for abrasive wear applications

Kulu, Priit; Tarbe, Riho; Saarna, Mart; Surženkov, Andrei; Peetsalu, Priidu; Viljus, Mart European Conference on Heat Treatment and 21st IFHTSE Congress : May, 12th-15th, 2014, Munich, Germany : proceedings 2014 / p. 449-456 : ill

Structure and magnetic properties of NdFeB powder prepared by hydrogen deoxygenation and high-energy ball milling

Mural, Zorjana; Kollo, Lauri; Traksmäa, Rainer; **Kallip, Kaspar; Link, Joosep; Veinthal, Renno** Engineering materials & tribology XXII 2014 / p. 262-266 <https://doi.org/10.4028/www.scientific.net/KEM.604.262> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Structure and properties of HVOF-sprayed and PTA-welded cermet hard phase reinforced Fe-matrix based coatings

Kulu, Priit; Zikin, Arkadi; Surženkov, Andrei; Tarbe, Riho 2nd Mediterranean Conference & New Challenges on Heat Treatment and Surface Engineering : Dubrovnik-Cavtat, Croatia, 11-14 June 2013 2013 / p. 37-44
<https://www.inderscienceonline.com/doi/abs/10.1504/IJMMP.2014.061054>

Structure and properties of HVOF-sprayed and PTA-welded cermet hard phase reinforced Fe-matrix-based coatings

Kulu, Priit; Zikin, Arkadi; Surženkov, Andrei; Tarbe, Riho International journal of microstructure and materials properties 2014 / p. 4-14 <https://doi.org/10.1504/IJMMP.2014.061054> [Journal metrics at Scopus](#) [Article at Scopus](#)

Structure and wear resistance of hard metals

Kübarsepp, Jakob; Reshetnjak, Heinrich; Järv, Jaan Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / I. 26-28 https://www.ester.ee/record=b1492085*est

Structure formation and characteristics of chromium carbide-iron-titanium cermets

Kolnes, Märt; Pirso, Jüri; Kübarsepp, Jakob; Viljus, Mart; Traksmäa, Rainer Proceedings of the Estonian Academy of Sciences 2016 / p. 138-143 : ill <https://doi.org/10.3176/proc.2016.2.09> https://artiklid.einet.ee/record=b2768217*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structure formation and distribution of elements in the TiC-NiMo cemented carbides

Viljus, Mart; Pirso, Jüri Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / I. 24-25
https://www.ester.ee/record=b1492085*est

Structure, phase composition, and wear mechanisms of plasma-sprayed NiCrSiB-20wt.% TiB₂ coatings

Umanskii, A.; Storozhenko, M.; **Hussainova, Irina; Antonov, Maksim** Powder metallurgy and metal ceramics 2015 / p. 663-671 : ill
<https://doi.org/10.1007/s11106-015-9661-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Students' self-management : e-course, e-tutoring and online support system

Teichmann, Mare; Kübarsepp, Jakob; Ivest, Jüri jr Innovative techniques in instruction technology, e-learning, e-assessment, and education 2008 / p. 304-308 : ill

Study of residual stresses in some gas-flame sprayed coatings

Kulu, Priit; Kõo, Jakob; Lille, Harri; **Pihl, Toomas** Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / I. 42 https://www.ester.ee/record=b1492085*est

Study of technology and properties of PVD TiN coatings

Rudenja, Sergei; Kulu, Priit; Mikli, Valdek Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / I. 43 https://www.ester.ee/record=b1492085*est

Study of the ultrafine-grains intrinsic nanostructure refinement by severe plastic deformation of copper alloys

Kommel, Lembit; Veinthal, Renno; Mikli, Valdek; Dedov, Andrei OAS 2015 : proceedings of the 3rd [i.e. 3rd] International Conference Optimization and Analysis of Structures III : Tartu, Estonia, August 23-25, 2015 2015 / p. 28-32 : ill

Surface fatigue of Al-metal matrix composites at impact loading

Saarna, Mart; Sergejev, Fjodor; Gomon, Jaana-Kateriina; Kollo, Lauri; Leparoux, Marc Engineering materials and tribology 2013 / p. 119-124 : ill

Synthesis of ZrC-TiC blend by novel combination of sol-gel method and carbothermal reduction

Umalas, Madis; Reedo, Valter; Lõhmus, Ants; **Hussainova, Irina; Juhani, Kristjan** Engineering materials and tribology 2013 / p. 62-67 https://www.researchgate.net/publication/265844548_Synthesis_of_ZrC-TiC_Blend_by_Novel_Combination_of_Sol-Gel_Method_and_Carbothermal_Reduction

ZrC-based and ZrC-doped composites for high-temperature and wear applications = ZrC baasil ja ZrC-ga legeritud komposiitmaterjalid rakendusteks kõrgtemperatuursetes ja kulumistingimustes

Yung, Der-Liang 2016 http://www.ester.ee/record=b4621174*est

Tallinna Masinatehas püsib juba poolteist sajandit oma ala eesrinnas

Kulu, Priit Inseneria 2015 / lk. 44-45 : fot https://artiklid.elnet.ee/record=b2748922*est

Tallinna Tehnikaülikooli materjalitehnika instituut

Kulu, Priit Kaarleek : Kempfi Oy ja Femker Oy tarbijaleht 1996 / lk. 12 : fot https://www.ester.ee/record=b5668719*est

Teadus- ja arendustegevusest mehaanikateaduskonnas

Kulu, Priit Mehaanikainseneride koolitus 1998-2016 2016 / lk. 39-56 : ill https://www.ester.ee/record=b4640989*est

Tee maailmatasemel tippspetsialistiks : [ka TTÜ teadusprorektor Renno Veinthal kommenteerib]

Maidla, Margus Sirp 2016 / lk. 34-35 : ill <http://www.sirp.ee/s1-artiklid/c21-teadus/tee-maailmatasemel-tippspetsialistiks/>

Tehnikaülikool võttis vastu üle 3500 tudengi

Kübarsepp, Jakob; Urbla, Anne Mente et Manu 2014 / lk. 9-11 : fot., tab https://artiklid.elnet.ee/record=b2682374*est

Tehnoplastid : plastide üldiseloomustus, plastide valik, plastide mehaanilised teimid, firmoplastid

1999 https://www.ester.ee/record=b1222251*est

Tenuur kui akadeemilise vabaduse tagatis

Aaviksoo, Jaak; Veinthal, Renno Sirp 2016 / lk. 15-16 : ill <http://www.sirp.ee/s1-artiklid/c21-teadus/tenuur-kui-akadeemilise-vabaduse-tagatis/>

Terase kaarkeevitusliited : kvaliteeditasemete määramine keevitusvigade järgi

2000 http://www.ester.ee/record=b1400416*est

Terased & malmid : Vene, Saksa, Soome, Rootsi standardid (markeering, koostis, omadused) : vastavus

1993 https://www.ester.ee/record=b1057362*est

Terased : eurostandardid (liigitus, tähistus, markeering, koostis, margivastavus) : firmaterased. Alumiiniumsulamid : eurostandardid (markeering, koostis, margivastavus) : firmasulamid

1998 https://www.ester.ee/record=b1223692*est

Terased : Eurostandardid (liigitus, tähistus, markeering, koostis), vastavus

1996 https://www.ester.ee/record=b1419131*est

Terminiarendusest TTÜ-s kõrgkooliõpiku "Materjalitehnika" näitel

Kulu, Priit; Kübarsepp, Jakob III eesti teaduskeele konverents : 5.-6. detsembril 2014 : lühitutvustused, teesid 2014 / lk. 21-22

Termolõikamine [Võrguteavik] : termolõigete klassifitseerimine. Toote geomeetriselised spetsifikatsioonid ja kvaliteedi tolerantsid = Thermal cutting : classification of thermal cuts. Geometrical product specification and quality tolerances
2015 http://www.ester.ee/record=b4532515*est

Tervisekulult tulumaks tagasi
Simson, Taavi Äripäev 2015 / lk. 19

Testing a method for evaluating the performance of coatings on end mills in semi-industrial conditions
Leemet, Tõnu; Allas, Jaanus; Madissoo, Marten; Adoberg, Eron; **Saar, Rando** Agronomy research 2014 / p. 263-268 : ill
<https://www.cabidigitallibrary.org/doi/pdf/10.5555/20143184842> [Journal metrics at Scopus](#) [Article at Scopus](#)

The aluminum based composite produced by Self propagating High temperature Synthesis
Pramono, Agus; Kommel, Lembit; Kollo, Lauri; Veinthal, Renno Materials science = Medžiagotyra 2016 / p. 41-43 : ill
<https://doi.org/10.5755/j01.ms.22.1.7500> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of Cr and C on the characteristics of WC-FeCr hardmetals [Electronic resource]
Tarraste, Marek; Juhani, Kristjan; Kübarsepp, Jakob; Pirso, Jüri; Mikli, Valdek Euro PM2015 Congress & Exhibition : proceedings : 4-7 October 2015, Reims Congress Centre, Reims, France 2015 / [6] p. : ill. [USB]

The effect of fine erodent retained on the surface during erosion of metals, ceramics, plastic, rubber and hardmetal
Antonov, Maksim; Pirso, Jüri; Goljandin, Dmitri; Vallikivi, Ahto; Hussainova, Irina Wear 2016 / p. 53-68 : ill
<https://doi.org/10.1016/j.wear.2016.02.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of low-friction PVD coatings on scuffing and pitting resistance of spur gears
Michalczewski, Remigiusz; Szczerek, Marian; Tuszyński, Waldemar; Wulczyński, Jan; **Antonov, Maksim** Tribologia : teoria i praktyka 2013 / p. 55-66 : ill

The effect of VC, TIC and Cr3C2 on the microstructure and properties of WC-15CO hardmetals fabricated by the reactive sintering
Pirso, Jüri; Juhani, Kristjan; Tarraste, Marek; Viljus, Mart; Letunovič, Sergei Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 383-388 : ill

The influence of alumina and zirconia coats on the tribological properties of alumina nanofibers
Aghayan, Marina; Gasik, Michael; Kollo, Lauri; Hussainova, Irina; Rodriguez, Miguel Angel CIMTEC 2014 : 13th International Ceramics Congress : Montecatini Terme, Tuscany, Italy, June 8-13, 2014 : book of abstracts 2014

The influence of carbon and molybdenum in reactive sintered (Ti, Mo)C-NiCr cermets [Electronic resource]
Jõeleht, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart Euro PM2015 Congress & Exhibition : proceedings : 4-7 October 2015, Reims Congress Centre, Reims, France 2015 / [USB]

The influence of high energy milling and sintering parameters on reactive sintered (Ti, Mo)C-Ni cermets
Jõeleht, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart; Traksmäa, Rainer Journal of alloys and compounds 2015 / p. 381-386 : ill <https://doi.org/10.1016/j.jallcom.2015.02.071> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The influence of sintering temperature of reactive sintered (Ti, Mo)C-Ni cermets
Jõeleht, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart Medžiagotyra = Materials science 2015 / p. 435-438 : ill
<https://doi.org/10.5755/j01.ms.21.3.7179> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The influence of TiC powder to reactive sintered TiC-NiMo cermets microstructure and mechanical properties [Electronic resource]
Jõeleht, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart Proceedings of the 18th Plansee Seminar : International Conference on Refractory Metals and Hard Materials : Reutte/Austria, 3-7 June, 2013 2013 / p. HM 71/1-HM 71/7 [CD-ROM]

The microstructure and properties of fine-grained cermets
Viljus, Mart 2003

The oxidation of chromium and titanium carbide based hard metals
Pirso, Jüri; Liiskmann, Guido Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / l. 34-36: ill
https://www.ester.ee/record=b1492085*est

The role of silicon in the hot dip galvanizing process
Sepper, Sirl; Peetsalu, Priidu; Kulu, Priit; Saarna, Mart; Mikli, Valdek Proceedings of the Estonian Academy of Sciences 2016 / p. 159-165 : ill https://artiklid.elnet.ee/record=b2768226*est <https://doi.org/10.3176/proc.2016.2.11> [Journal metrics at Scopus](#) [Article at](#)

The rolling contact fatigue of PVD coated spur gears

Michalczewski, Remigiusz; Piekoszewski, Witold; Szczerek, Marian; Tuszyński, Waldemar; **Antonov, Maksim** Engineering materials and tribology 2013 / p. 77-82

https://www.researchgate.net/publication/258178620_The_Rolling_Contact_Fatigue_of_PVD_Coated_Spur_Gears

The science of sinter-HIP : when to turn on the gas

Yung, Der-Liang; Tarraste, Marek; Hussainova, Irina TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

Thermal and microstructural analysis of doped alumina nanofibers

Aghayan, Marina; Gasik, Michael; Hussainova, Irina; Rubio-Marcos, Fernando; Kollo, Lauri; Kübarsepp, Jakob Thermochemica acta 2015 / p. 43-48 : ill <https://doi.org/10.1016/j.tca.2015.01.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermal residual stresses in chromium carbide based cermets

Jasiuk, Iwona; **Hussainova, Irina; Hamed, Elham; Yang, Ning; Antonov, Maksim** Proceedings of the 8th International Congress on Thermal Stresses, 1-4 June 2009 : Thermal Stresses 2009 : Abstract book vol. 2 2009 / p. 483-486 : ill

Thermal shock resistance of chromium carbide-based cermets

Antonov, Maksim; Pirso, Jüri Encyclopedia of thermal stresses 2014 / p. 5128-5135 : ill

Thermoreactive polymer composite with high particulate filler content = Suure pulbrilise täiteaine sisaldusega termoreaktiivne polümeerkomposiit

Aruniit, Aare 2014 http://www.ester.ee/record=b3092370*est

Three-body abrasive wear of reactive sintered WC-Co hardmetals with grain growth inhibitors

Juhani, Kristjan; Pirso, Jüri; Tarraste, Marek; Viljus, Mart; Suurkivi, Taavi Engineering materials & tribology XXII 2014 / p. 277-282 <https://doi.org/10.4028/www.scientific.net/KEM.604.277> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Three-body abrasive wear of WC-Co composites manufactured by reactive sintering of nanocrystalline powders [Electronic resource]

Juhani, Kristjan; Joost, Renee; Pirso, Jüri; Letunovič, Sergei; Viljus, Mart; Tarraste, Marek 5th World Tribology Congress, WTC 2013 : [proceedings]. Vol. 3 2014 / p. 2084-2087. [CD-ROM]

Titanium and chromium carbide based cermets

Pirso, Jüri 1996 http://www.ester.ee/record=b1070455*est

Tool life in stainless steel AISI 304 : applicability of Colding's tool life equation for varying tool coatings

Johansson, Daniel; Leemet, Tõnu; Allas, Jaanus; Madissoo, Marten; **Adoberg, Eron; Schultheiss, Fredrik** Proceedings of the Estonian Academy of Sciences 2016 / p. 172-176 : ill https://artiklid.elnet.ee/record=b2768232*est <https://doi.org/10.3176/proc.2016.2.13> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tool wear investigations by direct and indirect methods in end milling

Leemet, Tõnu; **Allas, Jaanus; Adoberg, Eron** Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 133-138 : ill

TPI/TTÜ mehaanikateaduskonna dekaanid läbi aegade

Kulu, Priit TTÜ mehaanikateaduskond. Eesti Masinatööstuse Liit 2011 / lk. 11-25 : portr http://www.ester.ee/record=b2720689*est

TPI/TTÜ mehaanikateaduskonna dekaanid läbi aegade

Kulu, Priit Mehaanikainseneride koolitus 1998-2016 2016 / lk. 201-202 https://www.ester.ee/record=b4640989*est

Tribological behavior of carbon nanofibers deposited on hard nanocomposite (nc-Ti1-xAlxN)/(a-Si3N4) coating

Kimmari, Eduard; Podgurski, Vitali; Simunin, M.; Adoberg, Eron; Surženkov, Andrei; Viljus, Mart; Hartelt, M.; Wäsche, R.; Sildos, Ilmo; Kulu, Priit Surface & coatings technology 2013 / p. 21-25 : ill <https://doi.org/10.1016/j.surfcoat.2013.03.011> <https://www.sciencedirect.com/science/article/pii/S0257897213002636?via%3Dihub> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tribological characteristics of copper based composites with Al2O3 particles at various temperatures

Hvizdoš, Pavol; Besterčí, Michal; **Kulu, Priit; Kavačkaj, T.** High temperature materials and processes 2013 / p. 437-442 <https://doi.org/10.1515/htmp-2012-0161> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tribological characteristics of micro- and nano-composites Cu-Al2O3 at room and elevated temperatures

Hvizdoš, Pavol; Besterči, Michal; **Kulu, Priit** High temperature materials and processes 2011 / p. 573-577

Tribological parameters of copper-alumina composite

Hvizdoš, Pavol; **Kulu, Priit**; Besterči, Michal Engineering materials and tribology 2013 / p. 191-196
https://www.researchgate.net/publication/271863555_Tribological_Parameters_of_Copper-Alumina_Composite

Tribology of fine-grained cermets

Letunovič, Sergei 2003 https://www.ester.ee/record=b1782627*est

TTÜ materjalitehnika instituudi koostöö ettevõtete

Veinthal, Renno Inseneeria 2011 / lk. 15-17 : ill https://www.ester.ee/record=b1519314*est

TTÜ mehaanikateaduskond 75!

Kulu, Priit Inseneeria 2011 / lk. 8-10 : ill https://www.ester.ee/record=b1519314*est

TTÜ mehaanikateaduskond 2011

Otto, Tauno; **Kulu, Priit** Inseneeria 2011 / lk. 10-13 : ill https://www.ester.ee/record=b1519314*est

TTÜ mehaanikateaduskond. Eesti Masinatööstuse Liit

2011 http://www.ester.ee/record=b2720689*est

TTÜ tehnoloogiline võimekus : (kõrgkoolide laboratoorne baas, teaduse põhitemaatika)

Karjust, Kristo; Sergejev, Fjodor Eesti Masinatööstuse Liit. TTÜ mehaanikateaduskond 80 2016 / lk. 95-121 : ill

TTÜ õppekavade süsteem eile, täna ja homme

Kübarsepp, Jakob Mente et Manu 2013 / lk. 6-8 : fot

Ultra high-pressure spark plasma sintered ZrC-Mo and ZrC-TiC composites

Yung, Der-Liang; Cygan, Slawomir; **Antonov, Maksim**; Jaworska, Lucyna; **Hussainova, Irina** International journal of refractory metals and hard materials 2016 / p. 201-206 : ill <https://doi.org/10.1016/j.ijrmhm.2016.09.014> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Ultrahigh aspect ratio alumina nanofibers as reinforcements

Hussainova, Irina; Gasik, Michael; **Aghayan, Marina** 38th International Conference & Exposition on Advanced Ceramics and Composites : abstract book : January 26-31, 2014, Daytona Beach, Florida 2014 / p. 117

Utilisation of industrial metal scrap by mechanical means

Kulu, Priit; Tümanok, Aleksei; Mikli, Valdek Proceedings of the Estonian Academy of Sciences. Engineering 1996 / p. 36-48 : ill

Uudiskirjandus

Laansoo, Andres Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1996 / lk. 14 https://www.ester.ee/record=b5668719*est

Uudus Randmer 16.11.1920-31.12.2011 : in memoriam

Laansoo, Andres Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 307-308

Uued perspektiivid tüvi- ja vähirkude uurimisel

Hussainova, Irina; Vähi, Kersti Mente et Manu 2016 / lk. 24-25 : fot http://www.ttu.ee/public/u/ulikool/Tutvustus/ajaleht-mente-et-manu/MM_2016_05/index.html https://artiklid.elnet.ee/record=b2797135*est

Uued võimalused 3D-printimise valdkonnas - metallide printimine peagi võimalik ka Eestis

Jõelet, Marek; Kollo, Lauri; Pohlak, Meelis; **Veinthal, Renno** Inseneeria 2015 / lk. 32-35 : ill
https://artiklid.elnet.ee/record=b2725592*est

Uued õppekavad

Kulu, Priit; Eerme, Martin; Paist, Aadu TTÜ mehaanikateaduskond. Eesti Masinatööstuse Liit 2011 / lk. 79-82 : ill
http://www.ester.ee/record=b2720689*est

Uuenduslik tootmine : käsiraamat

Riives, Jüri; Lumiste, Rünno; Reedik, Vello; Roosimölder, Lembit; Karjust, Kristo; Kers, Jaan; Kiolein, Indrek; Kokla, Margo; Küttner, Rein; Lavin, Jaak; Lavrentjev, Jüri; Löun, Kaia; Mötus, Leo; Naams, Invar; **Otto, Tauno**; Pohlak, Meelis; Raba, Karl; Saks, Alo; Talkop, Adolf; Tähemaa, Toivo; **Veinthal, Renno** 2011 http://www.ester.ee/record=b2736534*est

Valandite projekteerimine : metoodiline materjal

1995 https://www.ester.ee/record=b1068035*est

Wear behavior of Co-free hardmetals doped by zirconia and produced by conventional PM and SPS routines
Hussainova, Irina; Antonov, Maksim; Voltšihhin, Nikolai; Kūbarsepp, Jakob Wear 2014 / p. 83-90 : ill

<https://doi.org/10.1016/j.wear.2014.01.014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wear behavior of recycled hard particle reinforced NiCrBSi hardfacings deposited by plasma transferred arc (PTA) process

Zikin, Arkadi; Hussainova, Irina; Katsich, Christian; Kulu, Priit; Goljandin, Dmitri Engineering materials and tribology 2013 / p. 179-184

https://www.researchgate.net/publication/236332219_Wear_Behaviour_of_Recycled_Hard_Particle_Reinforced_NiCrBSi_Hardfacings_Deposited_by_Plasma_Transferred_Arc_PTA_Process

Wear behaviour of doped WC–Ni based hardmetals tested by four methods

Yung, Der-Liang; Antonov, Maksim; Veinthal, Renno; Hussainova, Irina Wear 2016 / p. 171-179 : ill

<https://doi.org/10.1016/j.wear.2016.02.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wear of different PVD coatings at industrial fine-blanking field tests

Lind, Liina; Peetsalu, Priidu; Sergejev, Fjodor Medžzagotyra = Materials science 2015 / p. 343-348 : ill

<https://doi.org/10.5755/j01.ms.21.3.7249> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wear of PVD coatings on fineblanking punches = PVD pinnete kulumine siselõikestantsi templitel

Lind, Liina 2014 https://www.ester.ee/record=b4422007*est

Wear performance of hierarchically structured alumina reinforced by hybrid graphene encapsulated alumina nanofibers

Hussainova, Irina; Baroninš, Janis; Drozdova, Maria; Antonov, Maksim Wear 2016 / p. 287-295 : ill

<https://doi.org/10.1016/j.wear.2016.09.028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wear performance of WC-and TiC-based ceramic-metallic composites = WC- ja TiC-baasil keraamilis-metalsete komposiitide kulumiskindlus

Roosaar, Tõnu 2010 https://www.ester.ee/record=b2634532*est

Wear resistance and selection of steels, hardmetals and hardfacings for abrasive wear conditions

Kulu, Priit; Tarbe, Riho; Saarna, Mart; Surženkov, Andrei; Peetsalu, Priidu; Talviste, Kristofer International journal of microstructure and materials properties 2015 / p. 101-113 <https://doi.org/10.1504/IJMMP.2015.068718> [Journal metrics at Scopus](#) [Article at Scopus](#)

[at Scopus](#)

Wear resistance influencers of particle reinforced polymer composite

Aruniit, Aare; Kers, Jaan; Krumme, Andres; Antonov, Maksim; Allikas, Georg; Herranen, Henrik; Pabut, Ott Proceedings of 19th International Conference on Composite Materials (ICCM19) 2013

Wear resistance of HVOF sprayed coatings from mechanically activated thermally synthesized Cr₃C₂-Ni spray powder

Sarjas, Heikki; Kulu, Priit; Juhani, Kristjan; Viljus, Mart; Matikainen, Ville; Vuoristo, Petri Proceedings of the Estonian Academy of Sciences 2016 / p. 101-106 : ill https://artiklid.elnet.ee/record=b2768209*est <https://doi.org/10.3176/proc.2016.2.10> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Web-based freshmen support system at Tallinn University of Technology [Electronic resource]

Teichmann, Mare; Kūbarsepp, Jakob; Ilvest, Jüri jr Proceedings of Research Symposium on Problem Based Learning : Aalborg University, Denmark, June 30 - July 1, 2008 2008 / [5] p. : ill [CD-ROM]

Värvilismetallid & -sulamid : Vene, Saksa, Soome, Rootsi standardid (markeering, koostis, omadused) : vastavus

1994 https://www.ester.ee/record=b1297803*est

Ühendpooljuhtmaterjalide õhukesed kiled keemilise pihustamise meetodil = Thin films of compound semiconductor materials by chemical spray pyrolysis

Krunks, Malle; Mellikov, Enn; Varema, Tiit; Bijakina, Olga; Niinistö, L. XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 87-88

https://www.ester.ee/record=b1070511*est

Абразивная износостойкость карбидосталей

Kūbarsepp, Jakob; Annuka, Harri; Valdma, Leo Тезисы докладов пятой республиканской конференции "Эрозионностойкие порошковые материалы и покрытия" 1988 / с. 23-24 https://www.ester.ee/record=b1256812*est

Влияние размола на некоторые свойства металлических порошков и порошковых смесей

Kulu, Priit; Letunoviš, Sergei; Pastak, Lauri XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 2, Автоматика. Энергетика. Механика. Химия 1981 / с. 133 https://www.ester.ee/record=b1322629*est

Вопросы триботехнического материаловедения порошковых карбидостальных композитов

Valdma, Leo; Kūbarsepp, Jakob; Annuka, Harri Современные проблемы триботехнологии : тезисы докладов Всесоюзной научно-технологической конференций 1988 / с. 152-153

Дефектный состав порошкового сульфида кадмия с примесью серебра и хлора

Mädasson, Jaan; Krustok, Jüri; Altosaar, Mare Дефекты структуры и свойства керамики : четвертое Всесоюзное совещание по химии твердого тела, 11-13 июня 1985 г. : тезисы докладов 1985 / с. 132

Исследование методом наноиндетирования микромеханических свойств полос сдвига в нанокристаллическом чистом ниобии, полученном при интенсивной пластической деформации

Kommel, Lembit НАНО 2013 : v Всероссийская конференция по наноматериалам : сборник материалов : 23-27 сентября 2013 г., г. Звенигород 2013 / с. 414-416

Исследование некоторых условий применимости твердых сплавов TiC-сталь при абразивном и гидроабразивном изнашивании

Kūbarsepp, Jakob; Annuka, Harri; Valdma, Leo Трение и износ = Friction and Wear : международный научный журнал 1985 / с. 851-858 : илл https://www.ester.ee/record=b1312784*est

Исследование температурного тушения фотопроводимости в пленках CdS

Kropman, Daniel Полупроводниковые материалы. 1 1969 / с. 107-113 : илл https://www.ester.ee/record=b1346474*est
<https://digikogu.taltech.ee/et/Item/da24f532-932d-41c5-8925-a52dfa4b18c8/>

Комплекс износостойкость - прочность порошковых карбидосталей

Valdma, Leo; Annuka, Harri; Kūbarsepp, Jakob Трение и износ = Friction and Wear : международный научный журнал 1987 / с. 368-373 : илл https://www.ester.ee/record=b1312784*est

Критический радиус включений диоксида циркония в эффекте трансформационного упрочнения керамик

Filippov, Roman; Freidin, Alexander; Hussainova, Irina; Vilchevskaya, Elena Физическая мезомеханика 2014 / с. 55-64 : ил

Лазерная абляция магнитных и полупроводниковых материалов : работа ... магистра технических наук

Podgurski, Vitali 1996 https://www.ester.ee/record=b2681294*est

Механические свойства и абразивная износостойкость карбидосталей

Kūbarsepp, Jakob; Rešetnjak, Heinrich; Annuka, Harri Порошковая металлургия : тезисы докладов XVI Всесоюзная научно-техническая конференция, Свердловск, 1989. Ч. 2 1989 / с. 64-65

Некоторые закономерности изнашивания карбидосталей в условиях абразивной эрозии

Rešetnjak, Heinrich; Kūbarsepp, Jakob; Sepp, A.; Annuka, Harri Трение и износ = Friction and Wear : международный научный журнал 1989 / с. 525-529 : илл https://www.ester.ee/record=b1312784*est

Некоторые проблемы изготовления и применения карбидотитановых сплавов со стальным связками

Kūbarsepp, Jakob; Valdma, Leo; Annuka, Harri Металловедение и термическая обработка металлов : [ежемесячный научно-технический и производственный журнал] 1987 / с. 43-45 : илл

Некоторые проблемы применения термической обработки сплавов TiC-сталь

Kūbarsepp, Jakob; Annuka, Harri; Valdma, Leo Безвольфрамовые порошковые твердые сплавы и карбидостали. Часть 1 : тезисы докладов IV республиканской научно-технической конференции 1985 / с. 15-17 : таб https://www.ester.ee/record=b1253975*est

Некоторые пути повышения износостойкости твердых сплавов TiC-сталь в абразивной струе

Kūbarsepp, Jakob; Valdma, Leo; Annuka, Harri Трение и износ = Friction and Wear : международный научный журнал 1985 / с. 698-703 : илл https://www.ester.ee/record=b1312784*est

О Методике испытания наплавов в гидроабразивной среде

Vakker, G.; Kallas, Paul XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 2, Автоматика. Энергетика. Механика. Химия 1981 / с. 128 https://www.ester.ee/record=b1322629*est

О составе химически пульверизированных пленок сульфида свинца

Tõnsberg, Pärtel; Nirk, M. II республиканская конференция молодых ученых-химиков, 17-19 мая 1977 : тезисы докладов. Часть 2 1977 / с. 105 https://www.ester.ee/record=b1308855*est

Порошковые дисперсионно-твердеющие сплавы на основе меди : работа на соискую степ. магистра техн. наук

Letunovič, Sergei 1992 https://www.ester.ee/record=b2631161*est

Проблемы выбора состава твердых сплавов для изготовления износостойких деталей

Kübarsepp, Jakob; Valdma, Leo; Annuka, Harri Безвольфрамовые порошковые твердые сплавы и карбидостали. Часть 1 : тезисы докладов IV республиканской научно-технической конференции 1985 / с. 13-15 https://www.ester.ee/record=b1253975*est

Прочность при изгибе и ударная вязкость карбидосталей

Kübarsepp, Jakob; Annuka, Harri Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1989 / с. 75-79 : илл https://www.ester.ee/record=b1645489*est

Прочность, вязкость и пластичность карбидосталей

Kübarsepp, Jakob; Annuka, Harri; Rešetnjak, Heinrich Тезисы докладов пятой республиканской конференции "Эрозионностойкие порошковые материалы и покрытия" 1988 / с. 19-21 https://www.ester.ee/record=b1256812*est

Разработка технологии изготовления порошковых композиционных магнитомягких материалов (ПКММ) : работа на соиск. степ. магистра техн. наук

Liimann, Väino 1992 https://www.ester.ee/record=b2631149*est

Руководство к лабораторным работам по технологии конструкционных материалов

2006 http://www.ester.ee/record=b2166920*est

Структурно-фазовый состав и механизмы изнашивания плазменного покрытия системы NiCrSiB-20% (мас.) TiB2

Umanskii, A.; Storoženko, M.; **Hussainova, Irina; Antonov, Maksim** Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 2014 / с. 57-68

Структурные характеристики легированных жаропрочных сплавов на основе Ni3Al

Kommel, Lembit; Kodess, Boris N.; Kommel, Igor Сборник тезисов Первого Российского кристаллографического конгресса : 21-26 ноября 2016, г. Москва 2016 / с. 375 http://www.issp.ac.ru/ebooks/conf/Cryst_Congress_1.pdf

Упругие модели дефектов в двумерных кристаллах

Kolesnikova, Anna; Orlova, T.; **Hussainova, Irina; Romanov, Alexey** Физика твердого тела 2014 / с. 2480-2485 : ил

Условия размола порошковых смесей сталь - карбид титана

Arensburger, Daniil; Kübarsepp, Jakob Порошковая металлургия : сборник статей. 2 1977 / с. 3-10 : илл https://www.ester.ee/record=b2111366*est <https://digikogu.taltech.ee/et/Item/70a3ad25-126c-4b5f-b887-e5dc1aa558b3>