

Adaptive wear mechanisms of diamond coatings at room and elevated temperatures = Teemantpinnete adaptiivkulumise mehhanismid toa- ja kõrgendatud temperatuuridel

Yashin, Maxim 2019 <https://digikogu.taltech.ee/et/Item/6cb35baa-eb31-42e2-8134-3235c7f796ef> https://www.ester.ee/record=b5283072*est

Additive manufacturing of high-entropy alloys

Karimi, Javad; Kamboj, Nikhil Kumar; Prashanth, Konda Gokuldoss Tartu Ülikooli ASTRA projekt PER ASPERA :

Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p <http://fmtdk.ut.ee/teesid-2019/>

Analysing the influence of temperature and pressure on corona loss of 330kV overhead transmission line

Gupta, Pradeep Kumar 22nd International Symposium "Topical Problems in the Field of Electrical and Power Engineering".

Doctoral School of Energy and Geotechnology III : Pärnu, Estonia, August 23-26, 2023 2023 / p. 79-80 : ill

https://www.ester.ee/record=b5570906*est

The applicability of limiting phase angle temperatures for specifying asphalt binder low temperature performance

Lill, Kristjan; Kontson, Karli; Aavik, Andrus Baltic journal of road and bridge engineering 2023 / p. 166-184

<https://doi.org/10.7250/bjrbe.2023-18.623> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Application of ultrasonic sprayed zirconium oxide dielectric in zinc tin oxide-based thin film transistor

Oluwabi, Abayomi Titilope; Katerski, Atanas; Carlos, Emanuel; Branquinho, Rita; Mere, Arvo; Krunks, Malle; Fortunato, Elvira;

Pereira, Luis; Oja Acik, Ilona Journal of materials chemistry C 2020 / p. 3730-3739 : ill <https://doi.org/10.1039/C9TC05127A> Journal

metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Carbon accumulation rate in a raised bog in Latvia, NE Europe, in relation to climate warming

Stivriņš, Normunds; Liiv, Merlin; Ozola, Ilze; Reitalu, Triin Estonian journal of earth sciences 2018 / p. 247-258 : ill

<https://doi.org/10.3176/earth.2018.20> http://www.ester.ee/record=b2246661*est

http://www.kirj.ee/public/Estonian_Journal_of_Earth_Sciences/2018/issue_4/earth-2018-4-247-258.pdf Journal metrics at Scopus Article at

Scopus Journal metrics at WOS Article at WOS

Cloning and expression of ATP N-glycosidase from the freshwater sponge Ephydatia muelleri

Reintamm, Tõnu; Vallmann, Kerli; Kolk, Kaidi; Päre, Mailis; Lopp, Annika; Aas-Valleriani, Nele; Kelve, Merike Biochimie 2019

/ p. 126-129 <https://doi.org/10.1016/j.biochi.2018.12.018> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at

WOS

Combustion synthesis of MAX phases: microstructure and properties inherited from the processing pathway

Aydinyan, Sofiya Crystals 2023 / art. 1143 <https://doi.org/10.3390/cryst13071143> Journal metrics at Scopus Article at Scopus Journal

metrics at WOS Article at WOS

Comparison of additively manufacturing samples fabricated from pre-alloyed and mechanically mixed powders

Zhao, Chao; Wang, Zhi; Li, Daoxi; Xie, Meishen; Kollo, Lauri; Luo, Zongqiang; Zhang, Weiwen; Prashanth, Konda Gokuldoss

Journal of alloys and compounds 2020 / art. 154603, 5 p. : ill <https://doi.org/10.1016/j.jallcom.2020.154603> Journal metrics at Scopus

Article at Scopus Journal metrics at WOS Article at WOS

Comparison of the thermobituminization kinetics of Baltic oil shale in open retorts and autoclaves

Johannes, Ille; Tiikma, Laine International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come

and share your vision! 2009 / p. 70 http://www.ester.ee/record=b4775098*est

Compensation of the baseline temperature fluctuations for autonomous CE-C4D instrument working in harsh environments

Drevinskas, Tomas; Telksnys, Laimutis; Maruška, Audrius; Gorbatšova, Jelena; Kaljurand, Mihkel Electrophoresis 2018 / p.

2877-2883 : ill <https://doi.org/10.1002/elps.201800132> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at

WOS

Creep and high temperature fatigue performance of as build selective laser melted Ti-based 6Al-4V titanium alloy

Viespoli, Luigi Mario; Bressan, Stefano; Itoh, Takamoto; Hiyoshi, Noritake; Prashanth, Konda Gokuldoss; Berto, Filippo

Engineering failure analysis 2020 / art. 104477, 9 p. : ill <https://doi.org/10.1016/j.engfailanal.2020.104477> Journal metrics at Scopus

Article at Scopus Journal metrics at WOS Article at WOS

Cryo-protective effect of an ice-binding protein derived from Antarctic bacteria

Mangiagalli, Marco; Bar-Dolev, Maya; Tedesco, Pietro; Natalello, Antonino; Kaleda, Aleksei The FEBS journal 2017 / p. 163-177 : ill

<https://doi.org/10.1111/febs.13965> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at Scopus

Cryo-protective effect of ice-binding proteins produced by Pseudomonas fluorescens AQP671 on wholegrain wheat bread dough during freezing and frozen storage

Luhila, Önnela; Karro, Kadi; Zakrevskaja, Karina; Nisamedtinov, Ildar; Paalme, Toomas; Laos, Katrin LWT - food science and

technology 2024 / art. 117160, 13 p. : ill <https://doi.org/10.1016/j.lwt.2024.117160> Journal metrics at Scopus Article at Scopus Journal

metrics at WOS Article at WOS

Damaging formula of the frost resistant concrete with poor quality of coarse limestone aggregate
Liisma, Eneli; Raado, Lembi-Merike Journal of civil engineering and architecture 2015 / p. 598-603 : ill

Determination of core losses using an inverse modeling technique

Osemwinyen, Osaruyi; Hemeida, Ahmed; Shams Ghahfarokhi, Payam; Belahcen, Anouar IEEE Access 2022 / p. 29224-29232
<https://doi.org/10.1109/ACCESS.2022.3158365> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Development of a low-cost, wireless smart thermostat for isothermal DNA amplification in lab-on-a-chip devices

Pardy, Tamas; Sink, Henri; Koel, Ants; Rang, Toomas Micromachines 2019 / art. 437, 13 p. : ill <https://doi.org/10.3390/mi10070437>
Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Direct liquid cooling in low-power electrical machines : proof-of-concept

Lindh, Pia; Petrov, Ilya; Semken, R. Scott; Vaimann, Toomas; Kallaste, Ants IEEE transactions on energy conversion 2016 / p. 1257-1266 : ill <https://doi.org/10.1109/TEC.2016.2597059> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Doktoritöö: Läänemere viisaastakuplaaniga puhastamine on naiivne

Harrik, Airika novaator.err.ee 2023 [Doktoritöö: Läänemere viisaastakuplaaniga puhastamine on naiivne](#)

Eesti rannikul on arenemas mereleitsak

novaator.err.ee 2024 [Eesti rannikul on arenemas mereleitsak](#) [Ekstreemne olukord: Eesti rannikul on arenemas mere kuumalaine](#)

Effect of different temperature-time combinations in kerogen pyrolysis to thermobitumen and oil

Šarajeva, Galina; Luik, Lea; Luik, Hans International journal of environmental engineering 2015 / p. 174-181 : ill
<http://seekdl.org/nm.php?id=5785>

Effect of different temperature-time combinations in kerogen pyrolysis to thermobitumen and oil

Luik, Lea; Luik, Hans; Šarajeva, Galina 20th International Symposium on Analytical and Applied Pyrolysis : PYRO 2014 : 19-23
May 2014, Birmingham, UK : conference guide and abstracts 2014 / p. 80

Effect of different temperature-time combinations in kerogen pyrolysis to thermobitumen and oil

Šarajeva, Galina; Luik, Lea; Luik, Hans 2014 proceedings of Second International Conference On Advances in Applied Science and Environmental Engineering : 20-21 December, 2014, Kuala Lumpur, Malaysia 2014 / p. 40-47 : ill

Effect of graphene nanoplatelet content on mechanical and elevated-temperature tribological performance of self-lubricating ZE10 magnesium alloy nanocomposites

Kandemir, Sinan; Yöyler, Sibel; Kumar, Rahul, 1993-; Antonov, Maksim; Dieringa, Hajo Lubricants 2024 / art. 52
<https://doi.org/10.3390/lubricants12020052> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of slowly increasing temperature and NaCl concentration on the expression of Hsp12-GFP2 fusion protein in Saccharomyces cerevisiae : an auxo-accelerator study

Nisamedtinov, Ildar; Lindsley, G.; Karreman, R.; Orumets, Kerti; Koplimaa, Mariane; Paalme, Toomas FinMed 2006 : 2nd
International Conference on Bioreactor Technology in Cell, Tissue Culture and Biomedical Applications 2006 / p. 102-112

Effect of strain rate and temperature on mechanical properties and fracture mechanism of the dispersion strengthened Al-12Al4C3 system

Velgosova, Oksana; Besterici, Michal; Kulu, Priit High temperature materials and processes 2005 / 3, p. 183-187 : ill
<https://www.degruyter.com/document/doi/10.1515/HTMP.2005.24.3.183/html>

Effects of irradiation of ZnO/CdS/Cu2ZnSnSe4/Mo/glass solar cells by 10 MeV electrons on photoluminescence spectra

Sulimov, M. A.; Sarychev, M.N.; Yakushev, Michael V.; Krustok, Jüri Materials science in semiconductor processing 2021 / art. 105301, 5 p. : ill <https://doi.org/10.1016/j.mssp.2020.105301> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evaluation of accumulated fatigue in metals due to random oscillating thermal stresses

Klevtsov, Ivan; Crane, Roger Journal of pressure vessel technology 1998 / 1, p. 43-50: ill

High-temperature tribological performance of hard multilayer TiN-AlTiN/nAlCo-CrN/AlCrN-AlCrO-AlTiCrN coating deposited on WC-Co substrate

Alamgir, Asad; Yashin, Maxim; Bogatov, Andrei; Viljus, Mart; Traksmaa, Rainer; Sondor, Jozef; Lümkeermann, Andreas; Sergejev, Fjodor; Podgurski, Vitali Coatings 2020 / art. 909, 10 p. : ill <https://doi.org/10.3390/coatings10090909> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hot sliding wear of 88 wt.% TiB-Ti composites from SHS produced powders

Kumar, Rahul, 1993-; Liu, Le; Antonov, Maksim; Ivanov, Roman; Hussainova, Irina Materials 2021 / art. 1242, 14 p.: ill

Ice binding proteins from psychrophilic bacteria: characterization and applications in food

Luhila, Önnela; Laos, Katrin; Paalme, Toomas 16th Baltic Conference on Food Science and Technology "Traditional meets non-traditional in future food" : FOODBALT 2023 : Book of abstracts 2023 / p. 15

https://conferences.llu.lv/sites/llucs/files/conferences/foodbalt_2023/menu_attachments/FoodBalt_2023_Abstract_book.pdf

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

Poliarus, 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

<https://doi.org/10.4028/www.scientific.net/KEM.674.308> Conference Proceedings at Scopus Article at Scopus

Influence of particle impact conditions and temperature on erosion–oxidation of steels at elevated temperatures

Huttunen-Saarivirta, E.; Antonov, Maksim; Veinthal, Renno; Tuiremo, J.; Mäkelä, K.; Siitonen, P. Wear 2011 / p. 159-175 : ill

Influence of residual stress on the stability of steel columns at elevated temperatures

Kervališvili, Andrei; Talvik, Ivar Journal of civil engineering and management 2017 / p. 292-299 : ill

<https://doi.org/10.3846/13923730.2015.1068845> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of temperature on the performance of Nafion coated RuO₂ based pH electrodes

Uppuluri, Kiranmai; Lazouskaya, Maryna; Szwagierczak, Dorota; Zaraska, Krzysztof 2021 IEEE International Conference on Flexible and Printable Sensors and Systems (FLEPS), Manchester, United Kingdom 2021 / 4 p

<https://doi.org/10.1109/FLEPS51544.2021.9469758>

Instability of low-moisture carrageenans as affected by water vapor sorption at moderate storage temperatures

Friedenthal, Margus; Eha, Kairit; Kaleda, Aleksei; Part, Natalja; Laos, Katrin SN Applied Sciences 2020 / art. 243, 6 p. : ill

<https://doi.org/10.1007/s42452-020-2032-9> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Instability of low-moisture carrageenans as affected by water vapor sorption at moderate storage temperatures : [conference paper]

Friedenthal, Margus; Eha, Kairit; Kaleda, Aleksei; Part, Natalja; Laos, Katrin 14th Baltic Conference on Food Science and Technology "Sustainable Food for Conscious Consumer" : FoodBalt 2021 : book of abstracts 2021 / p. 116

https://ftak.eu/foodbalt/assets/files/Foodbalt_Book_of_Abstacts.pdf

Investigation of excess Zn in ZnO

Lott, Kalju; Volobujeva, Olga; Raukas, Maie; Türn, Leo; Grebennik, A.; Vishnjakov, A. Physica status solidi (c) 2003 / 2, Proceedings 10th International Conference on Shallow Level Centers in Semiconductors (SLCS-10) : Warsaw, Poland, 24-27 July 2002, p. 622-625 : ill <https://onlinelibrary.wiley.com/doi/abs/10.1002/pssc.200306186>

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

Seçkin, Martin; Kandemir, Sinan; Antonov, Maksim Journal of composite materials 2021 / 13 p. : ill

<https://doi.org/10.1177/002198320979037> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Journal of thermal stresses

2011

K&V : Küsimused-vastused : [vastus lugeja küsimusele]

Laht, Tiit-Maie Tarkade Klubi 2010 / 11, lk. 8-9

Kliimamuutuste keerukas muster võimendab ebavõrdsust

Soomere, Tarmo Õpetajate Leht 2020 / Lk. 5 : portr <https://opleht.ee/2020/02/kliimamuutuste-keerukas-muster-voimendab-ebavordsust/> Tarmo Soomere: kliimamuutuste keerukas muster võimendab ebavõrdsust (err.ee 22.02.2020) https://www.ester.ee/record=b1072753*est

60-kraadine saun huugab jalge all. Tallinna värsked teeremondid ei arvesta kliimamuutustega

Orav, Anna Teele Eesti Päevaleht 2021 / Lk. 18-19 : fot <https://dea.digar.ee/article/eestipaevaleht/2021/07/14/18.3>

Linear patterning of high entropy alloy by additive manufacturing

Karimi, Javad; Ma, P.; Ji, Y.D.; Prashanth, Konda Gokuldoss Manufacturing letters 2020 / p. 9-13 : ill

<https://doi.org/10.1016/j.mfglet.2020.03.003> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Lipoxxygenase-allene oxide synthase pathway in octocoral thermal stress response

Löhelaid, Helike; Teder, Tarvi; Samel, Nigulas Coral reefs 2015 / p. 143-154 : ill <https://doi.org/10.1007/s00338-014-1238-y> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Low-temperature annealing of lightly doped n-4H-SiC layers after irradiation with fast electrons

Korolkov, Oleg; Kozlovski, Vitali V.; Lebedev, Alexander A.; Sleptšuk, Natalja; Toompuu, Jana; Rang, Toomas Semiconductors 2019 / p. 975–978 <https://doi.org/10.1134/S1063782619070133> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Marine heatwaves develop along Estonian coast

Oidermaa, Jaan-Juhan; Rudi, Hanneli news.err.ee 2024 [Marine heatwaves develop along Estonian coast](#)

Mereleitsakud kimbutavad Läänemere habrast elustikku

Kõuts, Mariliis Horisont 2024 / lk. 46-51 : fot https://www.ester.ee/record=b1072243*est

Method for assessing heat loss in a district heating network with a focus on the state of insulation and actual demand for useful energy

Chicherin, Stanislav; Mašatin, Vladislav; **Siirde, Andres**; **Volkova, Anna** Energies 2020 / art. 4505, 15 p. : ill <https://doi.org/10.3390/en13174505> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Milline tulevik ootab Läänemerd?

Kõuts, Mariliis Eesti Loodus 2025 / lk. 14-18 : ill https://www.ester.ee/record=b1358198*est

Mission profile resolution impacts on the thermal stress and reliability of power devices in PV inverters

Sangwongwanich, Ariya; Zhou, D.; **Liivik, Elizaveta**; Blaabjerg, Frede Microelectronics reliability 2018 / p. 1003-1007 <https://doi.org/10.1016/j.microrel.2018.06.094>

Modelling and experimental characterisation of self-regulating resistive heating elements for disposable medical diagnostics devices

Pardy, Tamas; **Rang, Toomas**; Tulp, Indrek Materials characterization VII 2015 / p. 263-271 : ill

Modelling and experimental characterisation of thermoelectric heating for molecular diagnostics devices

Pardy, Tamas; **Rang, Toomas**; Tulp, Indrek BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 27-30 : ill http://www.ester.ee/record=b2150914*est

Modelling of complex signals in nerves

Engelbrecht, Jüri; **Tamm, Kert**; **Peets, Tanel** 2021 <https://doi.org/10.1007/978-3-030-75039-8>

Motor Mode Analysis of Exterior-Rotor PM Machine with Gramme's Winding

Nukki, Rene; **Kilk, Aleksander**; Saarts, Samo; Tiimus, Kristjan Elektronika ir elektrotehnika = Electronics and electrical engineering 2017 / p. 21-25 : ill <https://doi.org/10.5755/j01.eie.23.1.17579> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical simulation of P-type Al/4H-SiC Schottky barrier diodes [Online resource]

Ziko, Mehadi Hasan; **Koel, Ants**; **Rang, Toomas** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill <https://doi.org/10.1109/BEC.2018.8600976>

Numerical simulation of uprising gas-solid particle flow in circulating fluidised bed

Kartušinski, Aleksander; **Martins, Ants**; **Rudi, Ülo**; **Štšeglov, Igor**; **Tisler, Sergei**; **Krupenski, Igor**; **Siirde, Andres** Oil shale 2008 / p. 125-138 : ill https://artiklid.elnet.ee/record=b1456418*est

Observation of band gap fluctuations and carrier localization in Cu₂CdGeSe₄

Krustok, Jüri; **Raadik, Taavi**; **Kaupmees, Reelika**; **Grossberg, Maarja**; **Kauk-Kuusik, Marit**; **Timmo, Kristi**; **Mere, Arvo** Journal of physics D : applied physics 2019 / art. 285102 , 7 p. : ill <https://doi.org/10.1088/1361-6463/ab1afd> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the modeling of cyclic shear in plasticity

Kenk, Kalju Актуальные проблемы механики, прочности и теплопроводности при низких температурах : тезисы докладов IV научно-технического семинара 1998 / p. 61-63: ill

One step synthesis of pure cubic and monoclinic HfO₂ nanoparticles : effects of temperature and ambient on the photoluminescent properties

Rauwel, Protima; **Galeckas, Augustinas**; **Rauwel, Erwan** ECS transactions 2015 / p. 19-28 <https://doi.org/10.1149/06444.0019ecst> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Oxidation of reactive azo-dyes with pulsed corona discharge : surface reaction enhancement : [conference paper]

Onga, Liina; **Kornev, Iakov**; **Preis, Sergei** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 68 <http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Photoluminescence and AFM study of WS₂ monolayers

Kaupmees, Reelika; Madauß, Lukas; Pollmann, Erik; **Grossberg, Maarja**; **Krustok, Jüri** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 41 <http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Photoluminescence study of defect clusters in Cu₂ZnSnS₄ polycrystals

Grossberg, Maarja; **Raadik, Taavi**; **Raudoja, Jaan**; **Krustok, Jüri** Current applied physics 2014 / p. 447-450 : ill <https://doi.org/10.1016/j.cap.2013.12.029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Post-deposition processing for tuning the properties of Sb₂Se₃ thin films absorber layer grown by close-spaced sublimation

Krautmann, Robert; **Spalatu, Nicolae**; **Hiie, Jaan**; **Katerski, Atanas**; **Oja Acik, Ilona**; **Krunks, Malle** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 47 <http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Preparation of a Ti-Al-Si based intermetallic alloy from Ti₆Al₄V and AlSi₁₀Mg powders by laser powder bed fusion and hot isostatic pressing

Cegan, Tomas; **Jurica, Jan**; Skotnicova, Katerina; Pagac, Marek; Stamborska, Michaela; Horsak, Lukas; Hajnys, Jiri; Mesicek, Jakub; **Prashanth, Konda Gokuldoss** Materials advances 2025 / p. 9133-9149 <https://doi.org/10.1039/d5ma00139k>

Properties of CuSbSe₂ thin film solar cell absorbers deposited by magnetron co-sputtering

Penežko, Aleksei; **Grossberg, Maarja**; **Volobujeva, Olga**; **Kauk-Kuusik, Marit** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 71 <http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Radiator and floor heating operative temperature and temperature variation corrections for EN 15316-2 heat emission standard

Maivel, Mikk; **Kurnitski, Jarek** Energy and buildings 2015 / p. 204-213 : ill <https://doi.org/10.1016/j.enbuild.2015.04.021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reaction pathway in the WO₃-NiO-Mg-C system. DTA/TG study

Zakaryan, Marieta; Niazyan, O.; **Aydinyan, Sofiya**; Kharatyan, Suren Chemical Journal of Armenia 2019 / p. 223-232 <http://chemistry.asj-oa.am/id/eprint/7944>

Revealing the impact of Hot Isostatic Pressing temperature on the microstructure and mechanical characteristics of Selective Laser Melted CuAlNiMn shape memory alloy

Singh, Shalini; Narayanan, Jinoop Arackal; Dehgahi, Shirin; Qureshi, A. J.; Palani, Iyemperumal Anand; Paul, Christ Prakash; **Prashanth, Konda Gokuldoss** Materials letters 2024 / art. 136452 <https://doi.org/10.1016/j.matlet.2024.136452> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Rotation of floating particles in submesoscale cyclonic and anticyclonic eddies : a model study for the southeastern Baltic Sea

Zhurbas, Victor; **Väli, Germa**; Kuzmina, Natalia 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / p. 28-29 : ill ["proceedings"](#)

Saturn-shaped ice burst pattern and fast basal binding of an ice-binding protein from an Antarctic bacterial consortium

Kaleda, Aleksei; Haleva, Lotem; Sarusi, Guy Langmuir 2019 / p. 7337-7346 : ill <https://doi.org/10.1021/acs.langmuir.8b01914> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Simulation of the hot deformation and fracture behavior of reduced activation ferritic/martensitic 13CrMoNbV steel

Shaikh, Asad Alamgir; Churyumov, Alexander; Pozdniakov, Andrey; Churyumo, Tatiana Applied sciences 2020 / art. 530 ; 12 p. : ill <https://doi.org/10.3390/app10020530> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Specific nitrite oxidation rate on high surfaced biofilm carriers dependent on free ammonia and temperature

Zekker, Ivar; Tenno, Toomas; Tenno, Taavo; Lemmiksoo, Vallo; Rikmann, Ergo; **Menert, Anne**; Kolberg, K.; Tomingas, Martin; Kroon, K.; Vabamäe, Priit 2nd Workshop on Bacterial and Fungal Biofilms : Ghent University Center for Sociomicrobiology, 22 September 2011 2011 <https://www.etis.ee/Portal/Publications/Display/33df8771-46e4-46c6-a2da-dbd4efb91a17>

Studies of novel lowcost absorbers CUSBS2 and CUSBSE2 for solar cells [Online resource]

Penežko, Aleksei; Grossberg, Maarja; Kauk-Kuusik, Marit Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p. : ill <http://fmdk.ut.ee/teesid-2019/>

Study of (AgxCu_{1-x})₂ZnSn(S,Se)₄ monograins synthesized by molten salt method for solar cell applications

Oueslati, Souhaib; Kauk-Kuusik, Marit; Neubauer, Christian; Mikli, Valdek; Meissner, Dieter; Brammertz, Guy; Vermang, B.; Krustok, Jüri; Grossberg, Maarja Solar energy 2020 / p. 586-595 <https://doi.org/10.1016/j.solener.2020.02.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synthesis and characterization of tetrahedrite Cu₁₀Cd₂Sb₄S₁₃ monograin material for photovoltaic application

Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare; Raudoja, Jaan; Mikli, Valdek; Pilvet, Maris; Kauk-Kuusik, Marit; Grossberg, Maarja Materials science in semiconductor processing 2020 / art. 104973 <https://doi.org/10.1016/j.mssp.2020.104973> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synthesis and characterization of tetrahedrite Cu₁₀Cd₂Sb₄S₁₃ monograin material for photovoltaic application [Online resource]

Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare; Raudoja, Jaan Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p <http://fmdk.ut.ee/teesid-2019/>

Teadlane : päikesekuumaga mõjub aken toale nagu saunakeris [Online resources]

Ideon, Argo maaleht.ee 2022 [Teadlane: päikesekuumaga mõjub aken toale nagu saunakeris](#)

Temperature dependency of electrical network load

Meldorf, Mati; Treufeldt, Ülo; Kilter, Jako Oil shale 2007 / 2S, p. 237-247 : ill https://www.researchgate.net/publication/228631520_Temperature_dependency_of_electrical_network_load

Temperature dependent electrical characterization of thin film Cu₂ZnSnSe₄ solar cells

Kask, Erkki; Krustok, Jüri; Giraldo, Sergio; Neuschitzer, Markus; Lopez-Marino, Simon; Saucedo, E.M. Journal of Physics D: Applied Physics 2016 / art. 085101 <https://doi.org/10.1088/0022-3727/49/8/085101> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Temperature dependent photorefectance study of Cu₂SnS₃ thin films produced by pulsed laser deposition

Raadi, Taavi; Grossberg, Maarja; Krustok, Jüri; Kauk-Kuusik, Marit Applied physics letters 2017 / p. 261105-1 - 261105-4 : ill <https://doi.org/10.1063/1.4990657> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Temperature influence on current suppressing effect in SiC Schottky diode

Kurel, Raido; Rang, Toomas Abstracts of the 3rd International Conference and Exhibition Micro Materials : MicroMat2000 : April 17-19, 2000, Berlin, Germany 2000 / p. 217-218

Temperature influence on current suppressing effect in SiC Schottky diode

Kurel, Raido; Rang, Toomas Proceedings of the 3rd International Conference and Exhibition Micro Materials : MicroMat2000 : April 17-19, 2000, Berlin, Germany 2000 / p. 1208-1209

Temperature-dependent conductivity of polyparaphenylene/polypyrrole multilayer structures

Golovtsov, Igor; Öpik, Andres International Conference on Science and Technology of Synthetic Metals : 15th to 21st of July 2000, Gastein, Austria : book of abstracts 2000 / p. 58-MonH102

Temperature-dependent conductivity of polyparaphenylene/polypyrrole multilayer structures

Golovtsov, Igor; Öpik, Andres Synthetic metals 2001 / 1/3, p. 1363-1364

Temperatuuri tõstmine kuumutusahjudes hapniku lisandamisega põlemisõhule

Öpik, Ilmar Populaar- ja rakendustehniline kogumik. 1 1949 / lk. 47-48 : ill https://www.ester.ee/record=b1435798*est

Terahertz spectroscopy of the helium endofullerene He@C₆₀

Jafari, Tanzeem; Bacanu, George Razvan; Shugai, Anna; Nagel, Urmaz; Walkey, Mark; Hoffman, Gabriela; Levitt, Malcolm H.; Whitby, Richard J.; Rööm, Toomas Physical chemistry chemical physics 2022 / p. 9943-9952 : ill <https://doi.org/10.1039/d2cp00515h>

Test setup for measuring medium voltage power cable and joint temperature in high current tests using thermocouples [Online resource]

Taklaja, Paul; Kiitam, Ivar; Hyvönen, Petri; Klüss, Joni 34th Electrical Insulation Conference : Hotel Bonaventure, Montreal, Qc, Canada, 19-22 June 2016 : proceedings 2016 / p. 480-483 : ill <https://doi.org/10.1109/EIC.2016.7548642>

The damaging effect of carbonation process on frost resistant concrete after freeze/thaw cycles

Liisma, Eneli; Raado, Lembi-Merike; Kraht, Jarko Advanced Engineering and Technology II : proceedings of the 2nd Annual Congress on Advanced Engineering and Technology (CAET 2015), Hong Kong, 4-5 April 2015 / p. 13-18 : ill

The effect of elevated temperatures on excitonic emission and degradation processes of WS₂ monolayers

Kaupmees, Reelika; Walke, Peter; Madauß, Lukas; Maas, Andre; Pollmann, Erik; Schleberger, Marika; **Grossberg, Maarja; Krustok, Jüri** Physical chemistry chemical physics 2020 / p. 22609–22616 <https://doi.org/10.1039/D0CP03248D> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of modality on linear low-density polyethylene crystallization behaviour at high and very high supercoolings

Märtson, Triin; Krumme, Andres; Gavrilkina, Veronika; Viikna, Anti Proceedings of the Estonian Academy of Sciences 2009 / 1, p. 53-57 : ill https://artiklid.einet.ee/record=b1452126*est

The effect of temperature and mechanical treatment on the properties of xanthan's, tara's and their blend's solutions

Vaher, Kadi; Laos, Katrin; Sõrmus, Aavo Food and nutrition = Toit ja toitumine 2007 / p. 71-79 : ill

The effect of temperature on the properties of Xanthan's tara's and their blend's solution

Vaher, Kadi; Laos, Katrin; Sõrmus, Aavo European Congress of Chemical Engineering - 6 : Copenhagen, 16-20 September, 2007 : ECCE-6 book of abstracts 2007 / p. 1069-1070 : ill

The effect of the firing temperature on the hardness of alumina porcelain

Štubna, Igor; Šin, Peter; Viljus, Mart; Trnik, Anton Materials and technology = Materiali in tehnologije 2014 / p. 331-336 : ill <http://mit.imt.si/izvodi/mit143/stubna.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The influence of carbon and molybdenum in reactive sintered (Ti, Mo)C-NiCr cermets [Electronic resource]

Jõelet, 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 sintering temperature of reactive sintered (Ti, Mo)C-Ni cermets

Jõelet, 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 Performance of Bond Lines of Engineered Wood in Cone Heater Testing

Vihmann, Jane Liise; Just, Alar; Sterley, Magdalena; **Mäger, Katrin Nele; Kers, Jaan** Fire and Materials 2025 <https://doi.org/10.1002/fam.3295>

Thermal expansion behavior of Al–xSi alloys fabricated using selective laser melting

Jia, Yandong; Zhang, L.B.; Ma, Pan; Scudino, Sergio; Wang, G.; Yi, J.; Eckert, Jürgen; Prashanth, Konda Gokuldoss Progress in additive manufacturing 2020 / 11 p. : ill <https://doi.org/10.1007/s40964-020-00130-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermal performance of wedge pile slab foundation without frost protection insulation and highly insulated slab on ground floor – first year measurements

Lomp, Siim; Kalamees, Targo; Hallik, Jaanus; Needo, Roomelt Journal of Physics: Conference Series 2023 / art. 012110 <https://doi.org/10.1088/1742-6596/2654/1/012110> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Thermo-physical properties and thermal shock resistance of chromium carbide based cermets

Antonov, Maksim; Hussainova, Irina 15th International Baltic Conference "Engineering Materials & Tribology. Baltattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 26-27 : ill

Tribological performances of ZrC-Ni and TiC-Ni cermet reinforced PTA hardfacings at elevated temperatures

Yung, Der-Liang; Zikin, Arkadi; Hussainova, Irina; Danninger, Herbert; Badisch, Ewald; Gavrilovic, A. Surface and coatings technology 2017 / p. 497-505 : ill <https://doi.org/10.1016/j.surfcoat.2016.11.099> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wet air oxidation of oil shales-factors affecting dicarboxylic acids formation

Kaldas, Kristiina; Preegel, Gert; Muldma, Kati; Lopp, Margus GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 37 <http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Исследование жаростойкости котельных сталей в присутствии отложений от котлов-утилизаторов цветной металлургии

Ingermann, Karl; Ots, Arvo Промышленная энергетика 1973 / с. 16-19 : рис., таб https://www.ester.ee/record=b2151157*est

К вычислению изменения интенсивности отказов элементов по изменениям температуры и нагрузки

Koort, Ants Тезисы докладов Республиканской научно-технической конференции "Современные методы и устройства радиоэлектронного оборудования", посвященной Дню радио. [2], Секция: Компьютерный анализ сигналов и цепей 1981 / с. 9-10 https://www.ester.ee/record=b1310795*est

К определению необходимой величины дополнительного охлаждения воздушного заряда дизеля при повышении температуры окружающей среды

Murel, Peeter; Soskind, Gennadi Судовые силовые установки : сборник статей. 7 1974 / с. 79-82
https://www.ester.ee/record=b2190655*est <https://digikogu.taltech.ee/et/Item/1eace339-9f4c-409f-b284-84422d12e82a>

Экстремальная ситуация: у побережья Эстонии возникли морские тепловые волны

Uiboupin, Rivo rus.postimees.ee 2024 [Экстремальная ситуация: у побережья Эстонии возникли морские тепловые волны](#)