

AlCo-rich AlCoNiFe and AlCoNiFeCr high entropy alloys: Synthesis and interaction pathway at high heating rates

Nazaretyan, K.; **Aydingyan, Sofiya**; Kirakosyan, H.; Moskovskikh, D.; Nepapushev, A.; Kuskov, K.; Tumanyan, M.; Zargaryan, A.; **Traksmaa, Rainer**; **Kharatyan, S.** Journal of alloys and compounds 2023 / art. 167589, 13 p

<https://doi.org/10.1016/j.jallcom.2022.167589> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Breakdown of classical models in highly damped ultrasonic propagation

Lafarge, D.; Bouchendouka, A.; Fellah, Z. E. A.; Scotti, T.; Ogam, E.; Perrot, C.; Depollier, C.; **Ratassepp, Madis**; Chrysochoidis, N. The Journal of the Acoustical Society of America 2025 / p. 2389-2403 <https://doi.org/10.1121/10.0039247>

Characterization and comparison of as received and clinically retrieved Bio-active™ orthodontic archwires

Georgieva, Mirela; Stoyanova-Ivanova, Angelina; Cherneva, Sabina; Petrov, Valeri; Petrova, Violeta; Andreeva, Laura; Mihailov, Valentin; Petkov, Alexander; **Mikli, Valdek** Biotechnology and biotechnological equipment 2021 / p. 1301-1311 : ill

<https://doi.org/10.1080/13102818.2021.1964381> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combined SEM microscopic and spectroscopic study of selenization of thin metallic films

Volobujeva, Olga; **Melikov, Enn** First Joint Meeting of Dreiländertagung and Multinational Congress on Microscopy. 3, Materials science 2009 / p. 449-450 : ill

A comparative investigation of the ultrastructure of steam exploded wood with light, scanning and transmission electron microscopy

Kallavus, Urve; Gravitis, Janis Holzforschung 1995 / p. 182-188: ill <https://doi.org/10.1515/hfsg.1995.49.2.182>

Cooling rate control combined with refractory Mo and/or V addition to enhance the mechanical properties of CoCrFeMnNi alloy

Gonzalez, Sergio; Garay-Reyes, Carlos Gamaliel; Martinez-Garcia, Alfredo; **Prashanth, Konda Gokuldoss**; Ruiz-Esparza-Rodriguez, Marco Antonio; Hurtado-Macias, Abel; Eckert, Juergen H.; Martinez-Sanchez, Roberto Journal of materials research and technology 2025 / p. 459-469 <https://doi.org/10.1016/j.jmrt.2025.03.074>

Does surface morphology of plant-based protein powders influence sensory perception?

Jakobson, Kadi; Kaleda, Aleksei; Kriščiunaite, Tiina 16th Baltic Conference on Food Science and Technology "Traditional meets non-traditional in future food" : FOODBALT 2023 : Book of abstracts 2023 / p. 70

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

Effect of hard cyclic viscoplastic deformation on hardening/softening of SPD-copper

Kommel, Lembit TMS 2004 : 133rd Annual Meeting & Exhibition : The Minerals, Metals & Materials Society welcomes you to the technical program for the 133rd TMS Annual Meeting & Exhibition, to be held March 14-18, 2004, in Charlotte, North Carolina 2004 / p. 258

https://www.researchgate.net/publication/360806886_Effect_of_Hard_Cyclic_Viscoplastic_Deformation_on_the_Microstructure_Mechanical_Properties_and_Electrical_Conductivity_of_Cu-Cr_Alloy

The effect of niobium on the microstructure evolution of ferritic stainless steel matrix cermets

Kolnes, Märt; **Juhani, Kristjan**; **Kübasepp, Jakob**; **Viljus, Mart** Modern materials and manufacturing 2023 2024 / art. 040011

<https://doi.org/10.1063/5.0190158> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Effect of silica precursor on the synthesis of Zn2SiO4-based material

Rojas Hernandez, Rocio Estefania; **Hussainova, Irina**; **Necib, Jallouli** Proceedings of the Estonian Academy of Sciences 2025 / p. 217-221 <https://doi.org/10.3176/proc.2025.2.24>

Effect of thermal shock treatment parameters on the efficiency of WC-Co cermet recycling

Kariminejad, Arash; **Antonov, Maksim**; Kumar, Rahul, 1993-; **Goljandin, Dmitri**; **Klimczyk, Piotr**; **Viljus, Mart** AIP conference proceedings 2024 / art. 040013 <https://doi.org/10.1063/5.0189330> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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

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

Electron microscopy study of contact layers in n-type 4H-SiC after diffusion welding

Korolkov, Oleg; **Sleptšuk, Natalja**; Sitnikova, A.; **Rang, Toomas** BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 91-94 : ill

Elektronmikroskoopia võimalused ehitiste kivimaterjalide korrosioonihajustuste uurimiseks = Usage of electron microscopy in survey of corrosion damages of stone building materials

Pöldme, Meeme; **Kallavus, Urve** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 155-156 https://www.estar.ee/record=b1070511*est

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](#)

Halogeensodaliitide uurimine elektrosondi meetoditega : magistritöö väitekiri
Mikli, Valdek 1995 https://www.ester.ee/record=b2078841*est

Hierarchical nanostructures of ZnO obtained by spray pyrolysis
Dedova, Tatjana; Krunk, Malle; Oja Acik, Ilona; Klauson, Deniss; Volobujeva, Olga; Mere, Arvo Materials chemistry and physics 2013 / p. 69-75 : ill <https://doi.org/10.1016/j.matchemphys.2013.04.026> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Interaction between point defects, extended defects and impurities in the Si-SiO₂ system during the process of its formation
Kropman, Daniel; Kärner, T.; Abru, Uno; Ugaste, Ülo; **Mellikov, Enn** Thin solid films 2004 / 1/2, p. 53-57 : ill
<https://www.sciencedirect.com/science/article/abs/pii/S0921510704003459>

Interaction between point defects, extended defects and impurities in the Si-SiO₂ system during the process of its formation
Kropman, Daniel; Kärner, T.; Abru, Uno; Ugaste, Ülo; **Mellikov, Enn; Kauk, Marit** Materials science and engineering : B 2004 / p. 295-298 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0921510704003459>

Investigation of halogen sodalites by electron microscopy
Mikli, Valdek; Paat, Aadu Proceedings of the Estonian Academy of Sciences. Engineering 1999 / 1, p. 71-86: ill

Investigation of milled bromosodalite powders by the methods of X-ray diffraction and electron microscopy
Mändar, H.; Haav, A.; **Mikli, Valdek; Paat, Aadu;** Felsche, J. Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / I. 14-18: ill https://www.ester.ee/record=b1492085*est

Investigation of strain relaxation mechanism in Si-SiO₂ system during the process of its formation
Kropman, Daniel; Poll, V.; Kärner, T.; Ugaste, Ülo; **Mellikov, Enn;** Arbu, Uno; Paomets, V. Physica status solidi (a) 2003 / 2, p. 297-301 <https://onlinelibrary.wiley.com/doi/abs/10.1002/pssa.200306611>

Mechanical properties of two novel non-equiatomc Zr-Hf-Ti-Cu-Ni-Co-Al High Entropy Alloys with high glass forming ability
Gonzalez, Sergio; Wurster, Stefan; Garay-Reyes, Carlos Gamaliel; Hurtado-Macias, Abel; Ramasamy, Parthiban; Oleszak, Dariusz; Gammer, Christoph; **Prashanth, Konda Gokuldoss;** Martinez-Garcia, Alfredo; Eckert, Juergen H.; Martinez-Sanchez, Roberto Journal of alloys and compounds 2025 / art. 180196 <https://doi.org/10.1016/j.jallcom.2025.180196>

Microstructural effects on wear of nonhomogeneous hardmetal materials
Hussainova, Irina; Viljus, Mart Proceedings of the Estonian Academy of Sciences. Engineering 2003 / 2, p. 126-136 : ill
https://artiklid.elnet.ee/record=b1012788*est

Mikroskoopia kujutiste ja röntgenspektrogrammide töötlemine ja rakendamine materjalide uurimisel : aruanne : G444 : teadussuuna klass 1.2, 2.2
Viljus, Mart 1994 https://www.ester.ee/record=b2084735*est

Molecular cell biology of male meiotic chromosomes and isolation of male meiocytes in Arabidopsis thaliana
Wang, Yingxiang; Cheng, Zhihao; Lu, Pingli; **Timofejeva, Ljudmilla;** Ma, Hong Flower development : methods and protocols 2014 / p. 217-230

Phase, microstructure, and wear behavior of Al₂O₃-reinforced Fe–Si alloy-based metal matrix nanocomposites
Saxena, Akash; **Singh, Neera;** Singh, Bhupendra; Kumar, Devendra; Sadasivuni, Kishor Kumar; Gupta, Pallav; Kumar, Devendra Proceedings of the institution of mechanical engineers part L Journal of Materials Design and Applications Journal of materials design and applications 2020 / art. 146442071989338, p. 467-480 <https://doi.org/10.1177/1464420719893387> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Preparing thin sections of meiotic nuclei for transmission electron microscopy
Timofejeva, Ljudmilla Plant meiosis : methods and protocols 2013 / p. 167-174

Quartz grains reveal sedimentary palaeoenvironment and past storm events : a case study from eastern Baltic

Kalinska-Nartiša, Edyta; **Stivriš, Normunds**; Grudzinska, Ieva Estuarine, coastal and shelf science 2018 / p. 359-370 : ill
<https://doi.org/10.1016/j.ecss.2017.11.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

SEM study of selenization of different thin metallic films = Õhukeste metallikilede seleniseerimise elektronmikroskoopiline uurimine

Volobujeva, Olga 2008 https://www.ester.ee/record=b2394529*est

Structural and optical properties of electrochemically deposited ZnO films in electrolyte containing Al₂(SO₄)₃

Lovchinov, Konstantin; Ganchev, Maxim; Petrov, Miroslav; Nichev, Hristo; Rachkova, Avgustina; Angelov, Orlin; **Mikli, Valdek**; Dimova-Malinovska, Doriana Physica Status Solidi (A) Applications and Materials Science 2013 / p. 743 - 747
<https://doi.org/10.1002/pssa.201200558> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

06Cr15Ni4CuMo selective laser melted additive manufacturing technology steel : mechanical and tribological properties

Jayaraman, Maya; Sivaprasad, Katakam; Ravisankar, B.; **Prashanth, Konda Gokuldoss** Transactions of the Indian Institute of Metals 2025 / art. 208 <https://doi.org/10.1007/s12666-025-03658-z>

The Arabidopsis SKP1 homolog ASK1 controls meiotic chromosome remodeling and release of chromatin from the nuclear membrane and nucleolus

Yang, Xiaohui; **Timofejeva, Ljudmilla**; Ma, Hong; Makaroff, Christopher A. Journal of cell science 2006 / 18, p. 3754-3763 : ill
<https://pubmed.ncbi.nlm.nih.gov/16940350/>

Thermal annealing of sequentially deposited SnS thin films

Safonova, Maria; Nair, Padmanabhan Pankajakshy Karunakaran; **Mellikov, Enn**; Aragon, Rebeca; **Kerm, Karin**; **Naidu, Revathi**; **Mikli, Valdek**; **Volobujeva, Olga** Proceedings of the Estonian Academy of Sciences 2015 / p. 488-494 : ill
<https://doi.org/10.3176/proc.2015.4.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wear behavior of selective laser melted 06Cr15Ni4CuMo steel

Maya, Jayaraman; Sivaprasad, Katakam; Ravisankar, B.; **Prashanth, Konda Gokuldoss** Transactions of the Indian Institute of Metals 2024 / p. 1795 - 1804 <https://doi.org/10.1007/s12666-023-03216-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Õhu saasteosakeste analüüs : aruanne : nr. G-442 : teadussuuna klass 1.14

Paat, Aadu; Bender, Villem 1994

Анализ микроскопических изображений формы объектов и квазипериодических структур

Ars, R.; **Paat, Aadu**; **Uder, Ülo-Olimar** Тезисы докладов VI Всесоюзного симпозиума по растровой электронной микроскопии и аналитическим методам исследования твердых тел (РЭМ-89) 1989 / с. 115 https://www.ester.ee/record=b3669075*est

Исследование плавкости фосфатов при помощи сканирующего электронного микроскопа

Pöldme, Meeme Тезисы докладов 6. Всесоюзной конференции по фосфатам "Фосфаты-84". Ч. 3 1984 / с. 559-560

Исследование роста скрытого фотографического изображения на поверхности стекла методом электронной микроскопии

Kallavus, Urve II республиканская конференция молодых ученых-химиков, 17-19 мая 1977 : тезисы докладов. Часть 2 1977 / с. 115-116 https://www.ester.ee/record=b1308855*est

Межфазное взаимодействие и ориентационные соотношения в системе Ni-GaAs

Meiler, Boriss XIII Всесоюзная конференция по электронной микроскопии, г. Сумы, окт. 1987 г : тезисы докладов : [В 2 т.]. 1987 / с. 214-216

Опыт применения методов растровой и просвечивающей электронной микроскопии в исследованиях природного апатита

Pöldme, Meeme; Kallavus, Urve; Meiler, Boriss Технологическая минералогия фосфатных руд : тезисы докладов всесоюзного совещания, 17-18 ноября 1987 г., Люберцы 1987 / с. 106-107

Основы электронной микроскопии : методическое пособие для пользователей

Meiler, Boriss 1990 http://www.ester.ee/record=b1231942*est

Подготовка напряженных хрупких образцов полупроводниковых материалов для просвечивающей электронной микроскопии

Meiler, Boriss Физическая химия соединений A/IV/B/V/VI 1987 / с. 44-48

С "минус первого" - на первый

Meiler, Boriss Tallinna Polütehnik : TPI parteikomitee, rektoraadi, komsomolikomitee, ametiühingukomitee häälekandja 1988 / с. 3
https://www.ester.ee/record=b1254708*est <https://digikogu.taltech.ee/et/Item/3cfd17a0-d98c-4a76-8aac-ee61f9acca5a>

Термохимическое модифицирование древесины. Сообщение III, Изучение распределения модификатора в древесине методом сканирующей электронной микроскопии

Tanner, Jüri; Nikitšenko, Ludmilla; Kallavus, Urve Синтез и применение поликонденсационных клеев : сборник статей. 5 1982 / с. 71-78 : ил https://www.ester.ee/record=b2191036*est <https://digikogu.taltech.ee/et/Item/948b14fd-94ea-4872-8724-96cfc1c27afe>

Электронно-микроскопическое исследование слоев золота, полученных катодным распылением

Timma, Enn; Meiler, Boriss Труды по физике : сборник статей. 7 1975 / с. 23-28 : илл https://www.ester.ee/record=b2190700*est <https://digikogu.taltech.ee/et/Item/bf8b5df4-d382-41b8-b242-1b2db192e257>