

Abrasion-erosion wear of powder coatings

Kulu, Priit; Zimakov, Sergei Abstracts of 12th International Conference on Wear of Materials, April 25-29, 1999, Atlanta (Georgia), USA 1999 / p. 37

Abrasive wear energy of powder materials

Kallas, Paul; Pirso, Jüri Materials Engineering - 96 : materials of VI-th International Baltic Conference 1996 / p. 34-37: ill

Abrasive wear powder materials and coatings

Kulu, Priit; Tarbe, Riho; Vallikivi, Ahto Materials science = Medžiagotyra 2005 / p. 230-234 : ill

Abrasive-erosive wear of thermally sprayed coatings from experimental and commercial Cr₃C₂-based powders

Sarjas, Heikki; Surženkov, Andrei; Juhani, Kristjan; Antonov, Maksim; Adoberg, Eron; Kulu, Priit; Viljus, Mart; Traksmäa, Rainer; Matikainen, Ville; Vuoristo, Petri Journal of thermal spray technology 2017 / p. 2020-2029 : ill <https://doi.org/10.1007/s11666-017-0638-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Additive manufacturing : alloy design and process innovations

Prashanth, Konda Gokuldoss; Wang, Zhi Materials 2020 / art. 542, 2 p <https://doi.org/10.3390/ma13030542> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Additive manufacturing 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/>

Angularity evaluation of milled WC-Co powder

Kulu, Priit; Mikli, Valdek; Käerdi, Helmo; Besterici, Michal International journal of materials & product technology 2005 / p. 289-298 : ill

Application of image analysis methods to characterize the impact-milled WC-Co powder particles

Mikli, Valdek; Kulu, Priit; Käerdi, Helmo Image anal. stereology 2001 / Suppl. 1, Proc. 8th ECS and Image Analysis, p. 199-204

Application of image analysis methods to characterize the impact-milled WC-Co powder particles

Mikli, Valdek; Kulu, Priit; Käerdi, Helmo Book of abstracts of 8th European Congress for Stereology and Image Analysis : Bordeaux, France, 2001 2001 / p. 196-197

Characterisation of milled bromosodalite powder by XRPD and TEM methods

Mändar, H.; Haav, A.; Mikli, Valdek; Paat, Aadu; Felsche, J. Sixteenth European Crystallographic Meeting (ECM-16) : Lund, Sweden, 6-11 August 1995 : [abstracts] 1995 / P06-09, p. 52

Characterization and prediction of abrasive wear of powder composite materials

Veinthal, Renno; Kulu, Priit; Pirso, Jüri; Käerdi, Helmo Proceedings of Nordtrib 2008 : 13th Nordic Symposium on Tribology : Tampere, Finland, 10-13 June, 2008 2008 / ? p

Characterization of composite thermal spray powders

Peetsalu, Priidu; Zimakov, Sergei; Pirso, Jüri; Mikli, Valdek; Tarbe, Riho; Kulu, Priit EURO PM2005 : congress & exhibition : 2-5 October 2005, Prague, Czech Republic : proceedings. Volume 2 2005 / p. 87-91

Characterization of gas-atomized equiatomic AlCoCrFeNi powder for additive manufacturing

Karimi, Javad; Kollo, Lauri; Prashanth, Konda Gokuldoss Metallurgical and materials transactions A : Physical metallurgy and materials science 2023 / p. 3417-3424 : ill <https://doi.org/10.1007/s11661-023-07129-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Characterization of 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 morphology of hardmetal powder particles

Käerdi, Helmo; Mikli, Valdek; Kulu, Priit; Velgosova, Oksana; Kohutek, Ivan; Besterici, Michal Materials Engineering & Balttrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jūrmala, Latvia 2001 / p. 3-7 : ill

Characterization of powder particle angularity

Mikli, Valdek; Käerdi, Helmo; Kulu, Priit; Besterici, Michal Acta metallurgica Slovaca 2001 / 1, p. 75-78

Characterization of powder particle morphology

Mikli, Valdek; Käerdi, Helmo; Kulu, Priit; Besterici, Michal Proceedings of the Estonian Academy of Sciences. Engineering 2001 / 1, p. 22-34 : ill

Characterization of the structure and modelling of wear composite with multimodal reinforcement powder materials and coatings [Electronic resource]

Kulu, Priit; Veinthal, Renno Proceedings of XIIIth International Conference on Composites/Nano Engineering : ICCE-12 : Tenerife, Spain 2005 / ? p. [CD-ROM]

Characterization of the structure and properties of composite powder materials and coatings

Veinthal, Renno; Kulu, Priit; Käerdi, Helmo Materials science = Medžiagotyra 2005 / 4, p. 376-380 : ill

Characterization of WC-Co thermal spray coatings based on the composite powders

Peetsalu, Priidu; Zimakov, Sergei; Pirso, Jüri; Mikli, Valdek; Tarbe, Riho; Kulu, Priit Powder metallurgy progress : journal of science and technology of particle materials 2006 / p. 34-41 : ill

Chemical composition of CuInSe₂ monograin powders for solar cell application = CuInSe₂ monoterapulbri koostise uurimine ja rakendus päikesepatareides

Kauk, Marit 2006 <https://digi.lib.ttu.ee/i/?99> https://www.ester.ee/record=b2208780*est

Chemical etching of Cu₂ZnSn(S,Se)₄ monograin powder

Timmo, Kristi; Altosaar, Mare; Raudoja, Jaan; Grossberg, Maarja; Danilson, Mati; Volobujeva, Olga; Mellikov, Enn 35th IEEE Photovoltaic Specialists Conference : Honolulu, HI, June 20-25, 2010 : conference proceedings 2010 / p. 1982-1985 : ill

Chemical etching of tetrahedrite Cu₁₀Cd₂Sb₄S₁₃ monograin powder materials for solar cell applications

Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare; Mikli, Valdek; Danilson, Mati; Grossberg, Maarja; Kauk-Kuusik, Marit Materials science in semiconductor processing 2022 / art. 106291 <https://doi.org/10.1016/j.mssp.2021.106291> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Chemical processes involved in Cu₂ZnSnSe₄ synthesis and SnS recrystallization in a molten salt medium = Keemilised protsessid Cu₂ZnSnSe₄ sünteesil ja SnS rekristallisatsioonil sulade soolade keskkonnas

Leinemann, Inga 2019 <https://digi.lib.ttu.ee/i/?11250> https://www.ester.ee/record=b5185552*est

Chemical treatment of tetrahedrite Cu₁₀Cd₂Sb₄S₁₃ monograin powder

Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 24 <http://fmdtk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Coating of ammonium nitrate prills with limestone and dolomite powders

Klimova, Irina; Trubatšenko, Marina; Kaljuvee, Tiit; Mikli, Valdek WCPT6 2010 : World Student Congress on Particle Technology : Delft, The Netherlands, April 22-25, 2010 : book of abstracts, conference program 2010 / p. 50 : ill

CoB-TiB₂ crystalline powders : Synthesis, microstructural analysis and their utilization as reinforcement agent

Khoshima, Sina; Altintas, Zerrin; Burkhardt, Ulrich; Schmidt, Marcus; Prashanth, Konda Gokuldoss; Somer, Mehmet; Balci, Özge Advanced powder technology 2020 / p. 2964-2972 <https://doi.org/10.1016/j.appt.2020.05.026> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combustion synthesis and reactive spark plasma sintering of non-equiatomic coal-based high entropy intermetallics

Kuskov, Kirill Vasilevich; Nepapushev, Andrey A.; Aydinyan, Sofiya; Shaysultanov, Dmitry G.; Stepanov, Nikita D.; Nazaretyan, Khachik; Kharatyan, Suren; Zakharova, Elena V.; Belov, Dmitry S.; Moskovskikh, Dmitry O. Materials 2023 / art. 1490 <https://doi.org/10.3390/ma16041490> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Controlled formation of optoelectronic materials in the form of monograin powders

Mellikov, Enn; Hiie, Jaan; Altosaar, Mare Abstracts of the 2nd European Conference on Advanced Materials and Processes 1991 / p. 292-293

Corrosion behavior of 17–4 PH stainless steel manufactured by laser powder bed fusion: Effect of graphene coating and heat-treatment

Maharana, P.; Sahu, D. K.; Sahoo, D.; Mallik, A.; Mishra, S.; Ramakrishna, M.; Prashanth, Konda Gokuldoss; Gollapudi, S. Materials today communications 2024 / art. 111098 <https://doi.org/10.1016/j.mtcomm.2024.111098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

CZTS (Kesterite) monograin membranes for photoelectrochemical water splitting (preparation and characterization)

Kouhiisfahani, Elham; Samiepour, Ali; Meissner, Dieter TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

CZTS monograin powders and thin films

Mellikov, Enn; Meissner, Dieter; Altosaar, Mare; Kauk, Marit; Krustok, Jüri; Öpik, Andres; Volobujeva, Olga; Iljina, Julia; Timmo, Kristi; Klavina, J.; Raudoja, Jaan; Grossberg, Maarja; Varema, Tiit; Muska, Katri; Ganchev, Maxim; Bereznev, Sergei; Danilson, Mati Advanced materials research 2011 / p. 8-13

Cu₂ZnSnS₄ monograin layer solar cells for flexible photovoltaic applications

Kauk-Kuusik, Marit; Timmo, Kristi; Pilvet, Maris; Muska, Katri; Danilson, Mati; Krustok, Jüri; Josepson, Raavo; Mikli, Valdek; Grossberg-Kuusk, Maarja Journal of materials chemistry A 2023 / p. 23640-23652 <https://doi.org/10.1039/D3TA04541B>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cu₂ZnSnSe₄ formation and reaction enthalpies in molten NaI starting from binary chalcogenides

Leinemann, Inga; Zhang, Weihao; Kaljuvee, Tiit; Tõnsuaadu, Kaia; Traksmäa, Rainer; Raudoja, Jaan; Grossberg, Maarja; Altosaar, Mare; Meissner, Dieter Journal of thermal analysis and calorimetry 2014 / p. 1313-1321 : ill <https://doi.org/10.1007/s10973-014-4102-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cu₂ZnSnSe₄ monograin powders for solar cell application [Electronic resource]

Altosaar, Mare; Raudoja, Jaan; Timmo, Kristi; Danilson, Mati; Grossberg, Maarja; Krunk, Malle; Varema, Tiit; Mellikov, Enn 2006 IEEE 4th World Conference on Photovoltaic Energy Conversion - WCPEC 2006 / [CD-ROM]

Deep defects in Cu₂ZnSnS₄ monograin solar cells

Kask, Erkki; Raadik, Taavi; Grossberg, Maarja; Josepson, Raavo; Krustok, Jüri Energy procedia 2011 / p. 261-265

Development of the morphology and granulometry methods for characterization of WC-Co hardmetal powders

Mikli, Valdek; Kulu, Priit; Käerdi, Helmo Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 189-192 : ill

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

Effect of alkali ions (Na⁺, K⁺, Cs⁺) on reaction mechanism of CZTS nano-particles synthesis

Kumar, Suresh; Altosaar, Mare; Grossberg, Maarja; Mikli, Valdek Superlattices and microstructures 2018 / p. 54-63 : ill
<https://doi.org/10.1016/j.spmi.2018.02.019>

Effect of alkali ions (Na⁺, K⁺, Cs⁺) on reaction mechanism of CZTS nano-particles synthesis [Online resource]

Kumar, Suresh; Altosaar, Mare; Grossberg, Maarja; Mikli, Valdek Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p <http://fntdk.ut.ee/teesid-2018/>

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 temperature on erosive and abrasive wear of carbide reinforced powder steels

Veinthal, Renno; Antonov, Maksim Tribology 2011 : proceedings of the 10th International Tribology Conference, Pretoria, South Africa, 5-7 April 2011 2011 / p. 104-111 : ill

Efficiency enhancement of Cu₂ZnSnS₄ monograin layer solar cells via absorber post-growth treatments

Timmo, Kristi; Dolcet Sadurni, Marc; Pilvet, Maris; Muska, Katri; Altosaar, Mare; Mikli, Valdek; Atlan, Fabien; Guc, Maxim; Izquierdo-Roca, Victor; Grossberg-Kuusk, Maarja; Kauk-Kuusik, Marit Solar energy materials and solar cells 2023 / art. 112090
<https://doi.org/10.1016/j.solmat.2022.112090> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fabrication of Cu-W nanocomposites by integration of self-propagating high-temperature synthesis and hot explosive consolidation technologies

Aydinyan, Sofiya; Kirakosyan, Hasmik; Zakaryan, Marieta Eurasian chemico-technological journal 2018 / p. 301-309 : ill
<https://doi.org/10.18321/ectj763>

Formation of photosensitivity in Cd_{1-x}Se_xTe_{1-x} monograin powders

Altosaar, Mare; Krustok, Jüri; Mädasson, Jaan; Mellikov, Enn; Kuk, Peeter-Enn Ternary and Multinary Compounds : proceedings of the 11th International Conference on Ternary and Multinary Compounds, ICTMC-11, University of Salford, 8-12 September 1997 1998 / p. 553-556: ill

Formation of properties of CuInSe₂ and Cu₂ZnSn(S,Se)₄ monograin powders synthesized in molten KI =

Kaaliumjodiidsulandaja keskkonnas kasvatatud monoterapulbrite CuInSe ja CuZnSn(S,Se) omaduste kujundamine
Timmo, Kristi 2011

Fracture mechanism of powder materials and coatings by abrasive erosion

Kulu, Priit; Kallas, Paul; Kübarsepp, Jakob International Conference Structure and Properties of the Brittle and Quasiplastic [i.e. Quasiplastic] Materials : June 14-16, 1994, Riga, Latvia : proceedings 1994 / p. 51-55

Growth of CZTS-based monograins and their application to membrane solar cells

Melikov, Enn; Altosaar, Mare; Kauk-Kuusik, Marit; Timmo, Kristi; Meissner, Dieter; Grossberg, Maarja; Krustok, Jüri; Volobujeva, Olga Copper zinc tin sulfide-based thin film solar cells 2015 / p. 289-309 : ill

Growth of $\text{Cu}_2\text{CDGESE}_4$ monograin powders in molten salts [Online resource]

Li, Xiaofeng; Kauk-Kuusik, Marit Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 2 p <http://fmtdk.ut.ee/teesid-2019/>

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

Hierarchical microstructures and strengthening mechanisms of nano-TiC reinforced CoCrFeMnNi high-entropy alloy composites prepared by laser powder bed fusion

Chen, Hongyu; Kosiba, Konrad; Lu, Twen; Yao, Ning; Liu, Yang; Wang, Yonggang; **Prashanth, Konda Gokuldoss**; Suryanarayana, Challapalli Journal of Materials Science & Technology 2023 / p. 245-259 : ill <https://doi.org/10.1016/j.jmst.2022.06.053> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High-strength aluminum alloy of ultrafine grained by consolidation-ECAP

Pramono, Agus; **Kollo, Lauri; Kommel, Lembit; Veinthal, Renno** IOP conference series : materials science and engineering 2019 / art. 012035, 7 p. : ill <https://doi.org/10.1088/1757-899X/478/1/012035> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

HVOF thermal spray coatings of different powders

Abdel Aal, Alsayed; **Zimakov, Sergei; Kulu, Priit**; Kaytbay, S.H.M. 15th International Baltic Conference "Engineering Materials & Tribology. Baltattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 44-45

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 (BALTMATTRIB & 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 of growth-synthesis conditions on $\text{Cu}_2\text{Zn}_{1-x}\text{Cd}_x\text{SnS}_4$ monograin material properties

Nkwusi, Godswill; Leinemann, Inga; Raudoja, Jaan; Mikli, Valdek; Karba, E.; Altosaar, Mare Superlattices and microstructures 2016 / p. 400-405 : ill <http://doi.org/10.1016/j.spmi.2016.09.006>

Impact of Li and K co-doping on the optoelectronic properties of CZTS monograin powder

Muska, Katri; Timmo, Kristi; Pilvet, Maris; Kaupmees, Reelika; Raadik, Taavi; Mikli, Valdek; Grossberg-Kuusk, Maarja; Krustok, Jüri; Josepson, Raavo; Lange, Sven; Kauk-Kuusik, Marit Solar energy materials and solar cells 2023 / art. 112182 : ill <https://doi.org/10.1016/j.solmat.2023.112182> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In situ fabrication of TiC-NiCr cermets by selective laser melting

Aramian, Atefeh; Sadeghian, Zohreh; **Prashanth, Konda Gokuldoss**; Berto, Filippo International journal of refractory metals and hard materials 2020 / art. 105171, 8 p. : ill <https://doi.org/10.1016/j.ijrmhm.2019.105171> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of alkali iodide fluxes on $\text{Cu}_2\text{ZnSnS}_4$ monograin powder properties and performance of solar cells

Timmo, Kristi; Pilvet, Maris; Muska, Katri; Altosaar, Mare; Mikli, Valdek; Kaupmees, Reelika; Josepson, Raavo; Krustok, Jüri; Grossberg-Kuusk, Maarja; Kauk-Kuusik, Marit Materials advances 2023 / p. 4509-4519 : ill <https://doi.org/10.1039/D3MA00444A> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of compositional deviations on the properties of $\text{Cu}_2\text{ZnSnSe}_4$ monograin powders

Muska, Katri; Kauk, Marit; Grossberg, Maarja; Altosaar, Mare; Raudoja, Jaan; Volobujeva, Olga Energy procedia 2011 / p. 323-327

Influence of order-disorder in $\text{Cu}_2\text{ZnSnS}_4$ powders on the performance of monograin layer solar cells

Timmo, Kristi; Kauk-Kuusik, Marit; Pilvet, Maris; Raadik, Taavi; Altosaar, Mare; Danilson, Mati; Grossberg, Maarja; Raudoja,

Jaani, Ernits, Kaia Thin solid films 2017 / p. 122-126 : ill <https://doi.org/10.1016/j.tsf.2016.10.017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of the technology to the properties of gas-flame coatings

Pihl, Toomas; Kulu, Priit Proceedings of the Third National DAAAM Conference in Estonia : SCIENCE '98 1998 / p. 118-121: ill

Investigation of Devulcanised Crumb Rubber Milling and Deagglomeration in Disintegrator System

Lapkovskis, Vjaceslavs; Mironovs, Viktors; Irtiseva, Kristine; **Goljandin, Dmitri**; Shishkin, Andrei Key engineering materials 2019 / p. 216–220 <https://doi.org/10.4028/www.scientific.net/KEM.800.216> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Investigation of 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 / l. 14-18: ill https://www.eester.ee/record=b1492085*est

Kinetic highlights of the reduction of silver tungstate by Mg + C combined reducer

Zakaryan, Marieta; Nazaretyan, Khachik; **Aydinyan, Sofiya**; Kharatyan, Suren Metals 2022 / art. 1000

<https://doi.org/10.3390/met12061000> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Laserpaagutus : virtuaalmudelid saab toode

Pohlak, Meelis Inseneeria 2009 / 5(13), lk. 30-32 : ill https://artiklid.elnet.ee/record=b1451828*est

Lifetime Achievement in Science go to Jakob Kübarsepp and Raivo Uiho

news.err.ee 2024 [Lifetime Achievement in Science go to Jakob Kübarsepp and Raivo Uiho](#)

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](#)

Mechanically activated synthesis of ZrC nanopowders to produce composites with TiC and Mo additives

Yung, Der-Liang; **Kollo, Lauri; Hussainova, Irina; Zikin, Arkadi** ECOTRIB 2011 : 3rd European Conference on Tribology and 4th Vienna International Conference on Nano-Technology : June 7-9, 2011, Vienna, Austria. 2 2011 / p. 793-796

Metal powders produced by disintegrator milling from industrial wastes

Tümanok, Aleksei; Kulu, Priit; Goljandin, Dmitri Abstract book of 4th ASM International Conference and Exhibition on the Recycling of Metals : Vienna, Austria, 1999 1999 / p. 20

Metal powders produced by disintegrator milling from the industrial wastes

Tümanok, Aleksei; Kulu, Priit; Goljandin, Dmitri 4th ASM International Conference and Exhibition on the Recycling of Metals : book of proceedings : 17-18 June, 1999, the Forum Hotel Vienna, Vienna, Austria 1999 / p. 309-318 : ill

Metallic powders produced by the disintegrator technology

Zimakov, Sergei; Goljandin, Dmitri; Peetsalu, Priidu; Kulu, Priit International journal of materials & product technology 2007 / 3/4, p. 226-251 : ill

Metal-matrix hardmetal/cermet reinforced composite powders for thermal spray

Goljandin, Dmitri; Sarjas, Heikki; Kulu, Priit; Käerdi, Helmo; Mikli, Valdek Materials science = Medžiagotyra 2012 / p. 84-89 : ill

https://www.researchgate.net/publication/267243513_Metal-Matrix_HardmetalCermet_Reinforced_Composite_Powders_for_Thermal_Spray

Micromechanical properties and wear resistance of powder coatings

Veinthal, Renno; Zimakov, Sergei; Kulu, Priit Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 216-219 : ill

Microstructural aspects of abrasive wear of composite powder materials and coatings

Veinthal, Renno; Kulu, Priit; Käerdi, Helmo International journal of materials & product technology 2011 / p. 92-119 : ill

Microstructure and mechanical properties of TiB₂/Al-5Cu composites fabricated by multi-material laser powder bed fusion

Liang, Zixi; Qi, Junfang; **Prashanth, Konda Gokuldoss**; Kang, Nan; Wang, Pei Optics and laser technology 2025 / art. 111922

<https://doi.org/10.1016/j.optlastec.2024.111922>

Microstructure evolution in WC-Co composites during reactive sintering from nanocrystalline powders [Electronic resource]

Pirso, Jüri; Viljus, Mart; Joost, Renee; Juhani, Kristjan; Letunovitš, Sergei Advances in Powder Metallurgy & Particulate Materials 2008 2008 / [12] p. : ill. [CD-ROM]

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

Microwave assisted synthesis of CuInSe₂ nanopowder

Gertsin, A.; Muradova, Galina; Shoka, A.; Kim, Dongsoo; **Bereznev, Sergei**; Tverjanovich, Andrey; **Kois, Julia; Öpik, Andres**; Tveryanovich, Yuri S. Hybrid and Organic Photovoltaic Conference (HOPV09) : 10-13 May 2009, Benidorm, Spain : book of abstracts 2009 / p. 79

Microwave synthesis of B₄C nanopowder for subsequent spark plasma sintering

Davtyan, D.; Mnatsakanyan, R.A.; **Liu, Le; Aydinyan, Sofiya; Hussainova, Irina** Journal of materials research and technology 2019 / p. 5823-5832 : ill <https://doi.org/10.1016/j.jmrt.2019.09.052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mo-Cu pseudoalloys by combustion synthesis and spark plasma sintering

Minasyan, Tatevik; Kirakosyan, Hasmik; **Aydinyan, Sofiya; Liu, Lei**; Kharatyan, Suren; **Hussainova, Irina** Journal of materials science 2018 / p. 16598–16608 <https://doi.org/10.1007/s10853-018-2787-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modeling of erosion wear of powder composite materials and coatings

Veinthal, Renno; Kulu, Priit; Käerdi, Helmo Surface modification technologies : proceedings of the 20th International Conference on Surface Modification Technologies : September 25-29, 2006, Vienna, Austria 2007 / p. 129-132 : ill

Modelling of abrasive wear and prognostication of erosion resistance of powder materials and coatings

Kulu, Priit; Veinthal, Renno; Käerdi, Helmo International Conference HighMatTech : October 15-19, 2007, Kiev, Ukraine : proceedings of conference 2007 / p. 472

Monograin A2B₆ powders

Mellikov, Enn; Hiie, Jaan; Altosaar, Mare Producibility of II-IV Materials and Devices : SPIE proceedings. Vol. 2228 1994 / p. 177-185

Monograin layer solar cell for future lunar outpost

Kristmann, Katriin; Altosaar, Mare; Raudoja, Jaan; Grossberg, Maarja; Krustok, Jüri; Raadik, Taavi IAC 2020 congress proceedings Proceedings of the International Astronautical Congress, IAC 2020 / 7 p. : ill <https://dl.jafastro.directory/event/IAC-2020/paper/56905/> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Monograin powders and layers for photovoltaic application

Altosaar, Mare; Hiie, Jaan; Mellikov, Enn; Meissner, Dieter; **Varema, Tiit** Abstracts of MRS Spring Meeting, San Francisco, 1996 1996 / p. 169

Monokornmembran-Elektroden : grossflächige Einkristallelektroden aus Halbleiterpulvern

Wirts, C.; Deppe, M.; Guo, Y.; **Altosaar, Mare; Varema, Tiit; Mellikov, Enn**; Meissner, Dieter Struktur und Reaktivität von Elektrodenoberflächen : 60. Bunsenkolloquium : book of abstracts 1995 / S. P40

Nanopowders and nanostructured coatings

Kulu, Priit; Zimakov, Sergei; Podgurski, Vitali; Peetsalu, Priidu; Tarbe, Riho Nanopowders, Nanostuctured Materials and Coatings : Network for Nanostructured Materials of ACC : March 17, 2005, Tallinn, Estonia : book of abstracts 2005 / p. 8

Nanopowders, Nanostuctured Materials and Coatings : Network for Nanostructured Materials of ACC : March 17, 2005, Tallinn, Estonia : book of abstracts

2005 http://www.eester.ee/record=b2038086*est

A novel route for the preparation of TiB₂/TiN composites by selective laser sintering [Online resource]

Liu, Le; Minasyan, Tatevik; Aydinyan, Sofiya; Hussainova, Irina Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p <http://fmtdk.ut.ee/teesid-2018/>

Novel thermally sprayed corrosion and wear resistant coatings

Kulu, Priit; Zimakov, Sergei; Goljandin, Dmitri; Peetsalu, Priidu Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 169-172 : ill

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

Numerical and experimental indication of thermally activated tunneling transport in CIS monograin layer solar cells

Cernivec, Gregor; **Jagomägi, Andri**; Smole, Franc; Topic, Marco Solid state electronics 2008 / 1, p. 78-85

<https://www.sciencedirect.com/science/article/pii/S0038110107002225>

On inner friction factor of fine powders

Tamm, Jaan; Tadolder, Jüri OST-96 Symposium on Machine Design, [Stockholm], May 13-14, 1996 : program, abstracts 1996 / [1] p https://kirj.ee/wp-content/plugins/kirj/pub/eng-1-1997-35-49_20230201200456.pdf

On inner friction factor of fine powders

Tamm, Jaan; Tadolder, Jüri OST-96 Symposium on Machine Design, [Stockholm], May 13-14, 1996 : proceedings 1996 / p. 58-65: ill https://www.ester.ee/record=b1033950*est

On inner friction factor of fine powders and application for calculation of material movement in impact mills

Tamm, Jaan; Tümanok, Aleksei; Tadolder, Jüri OST-95 Symposium on Machine Design : proceedings, Oulu, Finland, May 18-19, 1995 1995 / p. 112-121: ill https://www.ester.ee/record=b1033949*est

On residual and thermal stresses in powder coatings

Lille, Harri; Kõõ, Jakob; **Kulu, Priit; Pihl, Toomas** Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000 / p. 221-224 : ill

Optimization of structure of sprayed WC-Co hardmetal based coatings

Zimakov, Sergei; Tarbe, Riho; Veinthal, Renno; Kulu, Priit Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 224-227 : ill

Photoconductive CdS and CdS_xSe_{1-x} and CdSe_xTe_{1-x} powders and layers for microwave optoelectronic antennas

Hiie, Jaan; Altosaar, Mare; Krunks, Malle; Mellikov, Enn International Conference Advanced Optical Materials and Devices, Riga, 1996 1996 / p. 195

Photoelectrochemical properties and band positions of Cd-substituted tetrahedrite Cu₁₀Cd₂Sb₄S₁₃ monograin materials grown in molten CdI₂ and LiI

Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare; Oueslati, Souhaib; **Pilvet, Maris; Kauk-Kuusik, Marit** Thin Solid Films 2022 / art. 139030 <https://doi.org/10.1016/j.tsf.2021.139030> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Photoluminescence and Raman study of Cu₂ZnSn(SexS_{1-x})₄ monograins for photovoltaic applications

Grossberg, Maarja; Krustok, Jüri; Raudoja, Jaan; Timmo, Kristi; Altosaar, Mare; Raadik, Taavi Thin solid films 2011 / p. 7403-7406 : ill

Photoluminescence of Se-annealed CuInSe₂ powders

Krustok, Jüri; Mädasson, Jaan; Hjelt, Kari Journal of materials science letters 1994 / 13, p. 1570-1572

Photoluminescence of Se-annealed CuInSe₂ powders

Hjelt, Kari; Collan, Heikki; **Krustok, Jüri; Mädasson, Jaan** Annual report of Optoelectronic Laboratory 1994 / p. 33-35

Powder materials and technologies for solar cells

Mellikov, Enn; Hiie, Jaan; Altosaar, Mare International journal of materials & product technology 2007 / 3/4, p. 291-311 : ill

Prediction of erosive wear of powder materials with hardmetal-type structure

Veinthal, Renno; Käerdi, Helmo; Kulu, Priit The 16th International Federation for Heat Treatment and Surface Engineering (IFHTSE) Congress, Brisbane, Australia, 30.10-02.11.2007 2008 / ? p

Preparation of nanocrystalline WC powder and ultrafine WC-Co hardmetals

Pirso, Jüri; Viljus, Mart; Letunovitš, Sergei Nanopowders, Nanostuctured Materials and Coatings : Network for Nanostructured Materials of ACC : March 17, 2005, Tallinn, Estonia : book of abstracts 2005 / p. 31-33 : 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

Production of fine powders by laser light

Kruusing, Arvi; Podgurski, Vitali; **Mikli, Valdek** Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / l. 9-12: ill https://www.ester.ee/record=b1492085*est

Prognosis of abrasive-erosive wear resistance of powder coatings [Electronic resource]

Kulu, Priit 23rd Meeting IRG-OECD, Coimbra, 2002 / p. 14 [CD-ROM]

Properties of steel powder prepared from bearing steel turnings

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

Pyrite FeS₂ solar cells fabrication for lunar base energy production

Kristmann, Katriin; Raadiik, Taavi; Altosaar, Mare; Grossberg-Kuusk, Maarja; Krustok, Jüri; Pilvet, Maris; Mikli, Valdek; Kauk-Kuusik, Marit; Makaya, Advenit IAC 2022 congress proceedings 2022 / art. 190266 [Pyrite FeS₂ solar cells fabrication for lunar base energy production](#) [Conference proceedings at Scopus](#) [Article at Scopus](#)

Reactive sintering of (Ti,W)C-Ni and TiC-FeNiSi cermets from high-energy milled powders

Kollo, Lauri; Volobujeva, Olga Proceedings of European Powder Metallurgy Congress : EURO PM2007 : Toulouse (France), 15-17 October 2007. Vol. 1 2007 / p. 227-231 https://www.researchgate.net/publication/287638623_Reactive_sintering_of_TiWC-Ni_and_TiC-FeNiSi_cermets_from_high-energy_milled_powders

Recrystallization of CIS powders in molten fluxes

Altosaar, Mare; Hiie, Jaan; Mellikov, Enn; Mädasson, Jaan International Conf. on Ternary and Quaternary Compounds : book of abstracts 1995 / p. POI 50

Recrystallization of powder materials

Mellikov, Enn; Hiie, Jaan International Symposium Mat Tech '90 : abstracts 1990 / p. 51

Recrystallization of powder materials in molten salts

Mellikov, Enn; Hiie, Jaan Chair of Semiconductor Materials Technology : activity report, 1988-1993 1994 / p. 17-20

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/IJMP.2014.064038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Recycling of secondary raw materials for the production of new composite products: a devulcanised crumb rubber case study

Lapkovskis, Vjaceslavs; Mironovs, Viktors; Kristine, I.; **Goljandin, Dmitri** 11th International Conference Biosystems Engineering : May 6-8, 2020 in Tartu, Estonia : book of abstracts [Võrguteavik] 2020 / p. 130 https://www.ester.ee/record=b5347289*est

Reduced recombination through the CZTS/CdS interface engineering in monograin layer solar cells

Kauk-Kuusik, Marit; Timmo, Kristi; Muska, Katri; Pilvet, Maris; Krustok, Jüri; Danilson, Mati; Mikli, Valdek; Josepson, Raavo; Grossberg, Maarja JPhys Energy 2022 / art. 024007 <https://doi.org/10.1088/2515-7655/ac618d> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Residual stresses, modulus of elasticity and coefficient of thermal expansion of some powder coatings

Lille, Harri; Kõo, Jakub; **Kulu, Priit; Pihl, Toomas** International DAAAM : [DAAAM National Estonia] : proceedings of the 1st International Conference, 25-27th September 1997, Tallinn, Estonia 1997 / p. 165-168: ill

Selection of processing conditions for solution growth of CdTe and CuInSe₂ monograin powders on the base of phase diagrams

Altosaar, Mare; Hiie, Jaan; Mellikov, Enn 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 11

SHS reprocessing of copper oxide waste into copper powder

Mahmoudi, H. A.; Abovyan, L.S.; **Aydinyan, Sofiya**; Kharatyan, Suren International Journal of Self-propagating High-temperature Synthesis 2019 / p. 233-238 : ill <https://doi.org/10.3103/S1061386219040095> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

SLM-processed MoS₂/Mo₂S₃ nanocomposite for energy conversion/storage applications

Alinejadian, Navid; Kazemi, Sayed Habib; Odnevall Wallinder, Inger Scientific reports 2022 / art. 5030 <https://doi.org/10.1038/s41598-022-08921-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Solubility of CuInSe₂ in potassium iodide

Kauk, Marit; Timmo, Kristi; Altosaar, Mare; Raudoja, Jaan Conference on Knowledge-based Materials and Technologies for Sustainable Chemistry : 1-5 June 2005, Tallinn, Estonia : abstract book 2005 / p. 90

Solution combustion synthesis of nanostructured molybdenum carbide

Kirakosyan, Hasmik; Nazaretyan, K.T.; Mnatsakanyan, R.A.; **Aydinyan, Sofiya**; Kharatyan, Suren Journal of nanoparticle research

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 sintering of molybdenum silicides synthesized from oxide precursors

Ovali, Didem; Tarraste, Marek; Kaba, Mertcan; Agaogullari, Duygu; **Kollo, Lauri; Prashanth, Konda Gokuldoss**; Lütflü Övecoglu, M. *Ceramics international* 2021 / p. 13827-13836 : ill <https://doi.org/10.1016/j.ceramint.2021.01.248> [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]

Spatially resolved opto-electronical investigations of monograin layer solar cells = Monoterliste päikesepatareide ruumilise lahutusega optoelektronsed uuringud

Neubauer, Christian 2019 <https://digi.lib.ttu.ee/?11900>

Standartization of composition of A2B6 materials

Mellikov, Enn; Krunks, Malle *Surface and coatings technology* 1993 / p. 688-690 [https://doi.org/10.1016/0257-8972\(93\)90320-N](https://doi.org/10.1016/0257-8972(93)90320-N)

Structural properties of ZnO nanopowders synthesized by thermal decomposition

Kedruk, Y. Y.; Paltusheva, Z. U.; Gritsenko, L. V.; **Sõritski, Vitali** *Physical sciences and technology* 2023 / p. 80-86 <https://doi.org/10.26577/phst.2023.v10.i2.010> [Journal metrics at Scopus](#) [Article at Scopus](#)

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://fmtdk.ut.ee/teesid-2019/>

Study of CU2GE(S,SE)3 and CU2CDGE(S,SE)4 monograin powders for photovoltaic applications

Li, Xiaofeng; Timmo, Kristi; Kauk-Kuusik, Marit *Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 32 l.* [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

Study of Cu2ZnSnSe4 monograin formation in molten KI starting from binary chalcogenides

Klavina, Inga; Kaljuvee, Tiit; Timmo, Kristi; Raudoja, Jaan; Traksmäa, Rainer; Altosaar, Mare; Meissner, Dieter *Thin solid films* 2011 / p. 7399-7402 <https://www.sciencedirect.com/science/article/pii/S0040609011004305>

Study of properties of HVOF-sprayed coatings

Kulu, Priit; Ojaviir, Marek; Veinthal, Renno *Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000* / p. 214-217 : ill

Study of surface fatigue of wear resistant powder materials

Saarna, Mart; Kulu, Priit; Veinthal, Renno; Tarbe, Riho *15th International Baltic Conference "Engineering Materials & Tribology. Baltmattrib - 2006"* : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 66-68 : ill

Study of surface fatigue of wear resistant powder metallurgical materials

Saarna, Mart; Kulu, Priit; Veinthal, Renno; Tarbe, Riho *Proceedings of the Estonian Academy of Sciences. Engineering* 2006 / 4, p. 377-387 : ill

Sulfur-containing Cu2ZnSnSe4 monograin powders for solar cells

Timmo, Kristi; Altosaar, Mare; Raudoja, Jaan; Muska, Katri; Pilvet, Maris; Kauk, Marit; Varema, Tiit; Danilson, Mati; Volobujeva, Olga; Mellikov, Enn *Solar energy materials & solar cells* 2010 / 11, p. 1889-1892 : ill

Surface fatigue processes at impact wear of powder materials

Kulu, Priit; Veinthal, Renno; Saarna, Mart; Tarbe, Riho *Wear* 2007 / 1, p. 463-471 : ill

Surface fatigue processes at impact wear of powder materials

Kulu, Priit; Veinthal, Renno; Saarna, Mart; Tarbe, Riho *WOM : 16th International Conference on Wear of Materials : Montreal, Quebec, Canada, April 15-19, 2007 : delegate manual 2007* / p. 17D.1 <https://www.sciencedirect.com/science/article/pii/S0043164807003894>

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 of Cu₂ZnSnS₄ nano-powders and nano-structured thin films = Cu₂ZnSnS₄ nano-pulbrite ja nano-struktuursete kilede süntees

Kumar, Suresh 2018 <https://digi.lib.ttu.ee/i/?10626> https://www.ester.ee/record=b5151482*est

Synthesis of nanocrystalline TiC powders by reactive milling

Viljus, Mart; Pirso, Jüri; Letunovičs, Sergei Nanopowders, Nanostuctured Materials and Coatings : Network for Nanostructured Materials of ACC : March 17, 2005, Tallinn, Estonia : book of abstracts 2005 / p. 28-30 : ill

Synthesis of TiC by mechanical activation of powder components

Viljus, Mart; Traksmäa, Rainer; Letunovičs, Sergei; Pirso, Jüri EURO PM2001 : [European Congress and Exhibition on Powder Metallurgy] : October 22-24, 2001, Nice, France. Vol. 1 : proceedings 2001 / p. 194-198 : ill

Synthesis of TiC powder by mechanical activation

Viljus, Mart; Traksmäa, Rainer; Letunovičs, Sergei; Pirso, Jüri Materials Engineering & Balttrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jurmala, Latvia 2001 / p. 18-21 : ill

Tallinna Tehnikaülikooli teadlased lõid uue põlvkonna päikesepatarei [Võrguväljaanne]

Kauk-Kuusik, Marit novaator.err.ee 2020 / fot [Tallinna Tehnikaülikooli teadlased lõid uue põlvkonna päikesepatarei](#)

Technology and characterization of composite thermal spray powders

Peetsalu, Priidu; Zimakov, Sergei; Pirso, Jüri; Mikli, Valdek; Tarbe, Riho; Kulu, Priit Materials science = Medžiagotyra 2005 / 4, p. 385-389 : ill

The abrasive erosion wear resistance of powder coating

Kulu, Priit Tribologia : Finnish journal of tribology 1989 / p. 12-25 https://www.ester.ee/record=b1585989*est

The effect of Ag alloying of Cu₂(Zn,Cd)SnS₄ on the monograin powder properties and solar cell performance

Timmo, Kristi; Altosaar, Mare; Pilvet, Maris; Mikli, Valdek; Grossberg, Maarja; Danilson, Mati; Raadik, Taavi; Josepson, Raavo; Krustok, Jüri; Kauk-Kuusik, Marit Journal of materials chemistry A 2019 / p. 24281-24291 : ill

<https://doi.org/10.1039/C9TA07768E> TTÜ teadlased tõstsid uue põlvkonna päikesepaneelide tõhusust [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of S/Se ratio on the properties of Cu₂CdGe(SxSe_{1-x})₄ microcrystalline powders for photovoltaic applications

Li, Xiaofeng; Pilvet, Maris; Timmo, Kristi; Grossberg, Maarja; Mikli, Valdek; Kauk-Kuusik, Marit Solar energy 2020 / p. 646-652 : ill <https://doi.org/10.1016/j.solener.2020.09.045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of S/SE ratio on the properties of Cu₂CdGe(SxSe_{1-x})₄ monograin powders for photovoltaic applications

Li, Xiaofeng; Kauk-Kuusik, Marit; Timmo, Kristi; Pilvet, Maris; Grossberg, Maarja; Raadik, Taavi; Danilson, Mati; Mikli, Valdek GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 52 <http://fmdtk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Thermal spray coatings from WC-Co powders produced by mechanically activated synthesis [Electronic resource]

Zimakov, Sergei; Peetsalu, Priidu; Pirso, Jüri; Kulu, Priit; Mikli, Valdek Thermal spray 2006 : building on 100 years of success : proceedings of the 2006 International Thermal Spray Conference : May 15-18, 2006, Seattle, Washington, USA 2006 / p. 1387-1392 [CD-ROM]

Tunneling-enhanced interface recombination and current loss curves in kesterite solar cells

Krustok, Jüri; Timmo, Kristi; Kauk-Kuusik, Marit; Grossberg-Kuusk, Maarja Applied physics letters 2023 / art. 242102 <https://doi.org/10.1063/5.0175082> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ultrafine alloy powders for corrosion and wear resistant coatings

Kulu, Priit; Goljandin, Dmitri; Zimakov, Sergei Proceedings of Joint Nordic Conference in Powder Technology combining The 5th Annual Finnish Powder Metallurgy Network Seminar : Tampere, Finland, 2003 2003 / p. 7

Ultrahigh pressure spark plasma sintering of ZrC-TiC-MoSi₂ and ZrC-TiC-Si₃N₄ composites [Online resource]

Minasyan, Tatevik; Aydinyan, Sofiya; Liu, Le; Cygan, Slawomir; Hussainova, Irina Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p <http://fmdtk.ut.ee/teesid-2018/>

Wear resistant powder coatings on the base of recycled hardmetal

Tarbe, Riho; Zimakov, Sergei; Mikli, Valdek; Kulu, Priit; Veinthal, Renno Powder metallurgy progress 2005 / p. 148-157 : ill

Wear-resistant detonation sprayed WC-Co coatings

Kulu, Priit; Zimakov, Sergei Proceedings of the Third National DAAAM Conference in Estonia : SCIENCE '98 1998 / p. 94-96: ill

Влияние внешнесиловых факторов на гидроабразивный износ порошковых твердых сплавов

Valdma, Leo Свойства и технология изготовления износостойких материалов 1984 / с. 41-46

Влияние когезионной прочности порошковых покрытий на их износостойкость и механическую обработку

Андреева Н.; Пиладзис А. Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 51-54

Влияние обработки в дезинтеграторе на характеристики дисперсности и структуры порошков карбида вольфрама и кобальта

Gorbatšjova, T.B.; Nikitina, Z.V.; Tümanok, Aleksei Дезинтеграторная технология : тезисы докладов V Всесоюзного семинара, 8-10 сентября 1987 года 1987 / с. 116 https://www.ester.ee/record=b1273710*est

Влияние порошковых плазменных покрытий на циклическую прочность стали

Квядарас В.; Забукас В. Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 37-39

Влияние технологических факторов на механические свойства спеченных сплавов TiC-Ni-Co-Cr

Valdma, Leo; Kudrjajtsev, Vladimir; Kallas, Paul Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1977 / с. 11-16 : фот., табл. https://www.ester.ee/record=b1645489*est

Влияние эрозии поверхности пористых металлов на их гидравлическое сопротивление

Belov, S.; Kulu, Priit; Kallas, Paul; Pavlihin, G. Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1980 / с. 19-22 : ил., табл. https://www.ester.ee/record=b1645489*est

Влияние эрозии поверхности пористых металлов на их структурные и гидравлические характеристики

Belov, S.; Ksenofontov, A.; Kulu, Priit; Kallas, Paul Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1983 / с. 41-47 : ил., табл. https://www.ester.ee/record=b1645489*est

Возможности применения спеченных материалов в турбинных мельницах

Arensburger, Daniil; Valdma, Leo; Kleis, Ilmar; Sokolov, A. Тезисы докладов I республиканской конференции по порошковой металлургии : эрозиянностойкие спеченные материалы и их применение 1975 / с. 34 https://www.ester.ee/record=b1314322*est

Газоабразивное изнашивание порошковых легированных карбидтитановых сплавов

Kudrjajtsev, Vladimir; Kallas, Paul Свойства и технология изготовления износостойких материалов 1984 / с. 19-25

Газоабразивный износ газотермических порошковых покрытий

Kulu, Priit; Kallas, Paul; Halling, Jaanus Свойства и технология изготовления износостойких материалов 1984 / с. 47-52

Газотермические покрытия на порошковых материалах

Kulu, Priit Применение порошковых, композиционных материалов и покрытий в машиностроении : Тезисы докладов Уралальской региональной конференции по порошковой металлургии и композиционным материалам 1985 / с. 66

Газотермические покрытия на порошковых материалах. Сообщение 1. Наплавленные порошковые покрытия

Kulu, Priit; Halling, Jaanus Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1986 / с. 75-80 : ил. https://www.ester.ee/record=b1645489*est

Газотермические покрытия на порошковых материалах. Сообщение 2. Наплавленные порошковые покрытия

Kulu, Priit; Halling, Jaanus Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1986 / с. 60-64 : ил. https://www.ester.ee/record=b1645489*est

Горячее уплотнение легированных спеченных сталей

Päärsoo, Riho; Kulu, Priit Горячее прессование в порошковой металлургии : материалы IV всесоюзной научно-технической конференции [25-28 июня 1979 г.] 1981 / с. 153-156 https://www.ester.ee/record=b4484713*est

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

Защитные покрытия на порошковых сталях

Kulu, Priit; Halling, Jaanus Tallinna Tehnikaülikooli Toimetised 1990 / lk. 28-35: ill

Износ порошковых материалов для кондукторных втулок

Kallas, Paul; Pirso, Jüri Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 22

Износостойкие покрытия на порошковой стали

Kallas, Paul; Kulu, Priit Тезисы докладов научно-технических семинаров "Теория и практика порошковой металлургии", "Электрофизические технологии в порошковой металлургии" 1984 / с. 34

Износостойкие порошковые твердосплавные покрытия

Peitre, T.; Kulu, Priit XXX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 8-10 апреля 1986 года : тезисы докладов. Том II, Автоматика. Энергетика. Механика. Химия 1986 / с. 131
https://www.ester.ee/record=b1305565*est

Износостойкие порошковые твердосплавные покрытия

Halling, Jaanus; Kulu, Priit; Kallas, Paul Свойства и технология изготовления композиционных материалов 1986 / с. 45-51

Износостойкость порошковых покрытий в условиях коррозионно-абразивного изнашивания

Kulu, Priit; Rõuk, Arno; Rõuk, Marina Износостойкие спеченные материалы и покрытия 1988 / с. 56-61

Износостойкость порошковых покрытий и пути ее повышения

Kulu, Priit Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 33-34

Износостойкость порошковых твердосплавных покрытий

Kallas, Paul; Kulu, Priit; Halling, Jaanus Безвольфрамовые порошковые твердые сплавы и карбидостали. Часть 1 : тезисы докладов IV республиканской научно-технической конференции 1985 / с. 56-58 https://www.ester.ee/record=b1253975*est

Износостойкость порошковых твердых сплавов

Pirso, Jüri; Kallas, Paul Технологични процеси и оборудоване за ефективно използване на металните материали 1989 / с. 161

Испытание спеченных материалов на гидроабразивное изнашивание

Valdma, Leo; Kallas, Paul Тезисы докладов I республиканской конференции по порошковой металлургии : эрозионностойкие спеченные материалы и их применение 1975 / с.27-28 https://www.ester.ee/record=b1314322*est

Исследование процесса напыления и свойств износостойких порошковых покрытий, полученных методом импульсного плазменного напыления

Гасин Д.А.; Кораблева И.Р. Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 47-48

Исследование режимов гаовой цементации спеченных материалов на базе железа

Kulu, Priit; Püss, J.; Jakovlev, B. Тезисы докладов I республиканской конференции по порошковой металлургии : эрозионностойкие спеченные материалы и их применение 1975 / с. 38 https://www.ester.ee/record=b1314322*est

Исследование способов нанесения карбидохромовых покрытий на спеченные стали

Kulu, Priit Порошковая металлургия и область ее применения : Тезисы докладов к областному семинару (11-12 мая 1982 г.) 1982 / с. 70-71

К вопросу оценки износостойкости твердых сплавов WC-Co

Klaasen, Heinrich; Kallas, Paul Тезисы докладов пятой республиканской конференции "Эрозионностойкие порошковые материалы и покрытия" 1988 / с. 32-33 https://www.ester.ee/record=b1256812*est

К прогнозированию газоабразивной износостойкости порошковых твердых сплавов

Kallas, Paul; Pirso, Jüri Трение и износ = Friction and Wear : международный научный журнал 1989 / с. 649-655 : ил
https://www.ester.ee/record=b1312784*est

Карбидохромовые покрытия на спеченных сталях

Kulu, Priit; Pirso, Jüri; Arensbürger, Daniil Всесоюзная научно-техническая конференция "Проблемы порошковой металлургии при производстве деталей в машиностроении" (г. Ташкент, ноябрь 1979 г.) : Тезисы докладов 1979 / с. 107-108

Коррозионная стойкость и износостойкость порошковых твердых сплавов на основе карбида титана и хромистой стали

Kallast, Vambola; Kübarsepp, Jakob; Schächter, Klára; Lohonyai, Nándor Periodica polytechnica. Chemical engineering = Химия 1989 / с. 141-148 : ил., табл. https://www.ester.ee/record=b1198772*est

Коррозионная стойкость нержавеющей порошковых твердых сплавов TiC-сталь

Kallast, Vambola; Kübarsepp, Jakob; Schächter, Klára; Lohonyai, Nándor Periodica polytechnica. Chemical engineering = Химия

Коррозионная стойкость порошковых сплавов TiC-сталь

Kübarsepp, Jakob; Valdma, Leo; Kallast, Vambola Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1980 / с. 99-101 : табл https://www.ester.ee/record=b1645489*est

Материалы на основе высокодисперсных порошков карбонитридов титана и хрома

Залите И.; Миллер Т.; Маслюк В.; Иванов И. Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 27-29

Механизм газообразного изнашивания порошковых покрытий

Kallas, Paul; Kulu, Priit; Halling, Jaanus Трение и износ в машинах. 13 1985 / с. 37-45

Механизм и закономерности изнашивания порошковой стали в условиях абразивной эрозии

Kulu, Priit; Halling, Jaanus Трение и износ в машинах. 14 1987 / с. 25-31

Механизм избирательного изнашивания порошковых твердых сплавов

Pirso, Jüri; Kallas, Paul Трение и износ в машинах. 13 1985 / с. 27-36

Механизм изнашивания порошковых твердых сплавов при малой скорости абразивных частиц

Kallas, Paul; Pirso, Jüri Трение и износ = Friction and Wear : международный научный журнал 1986 / с. 484-492 : ил https://www.ester.ee/record=b1312784*est

Некоторые результаты горячего уплотнения спеченных сталей, упрочненных карбидами

Päärsoo, R.; Kulu, Priit Направления развития инструментального производства в X пятилетке : сборник тезисов докладов научно-технического семинара 1978 / с. 167 https://www.ester.ee/record=b1308562*est

О взаимосвязи между диэлектрической проницаемостью и плотностью смеси порошков горных пород

Schults, Kaljo Проблемы подземной и открытой разработки горючих сланцев и нерудных материалов 1982 / с. 73-83 : ил https://www.ester.ee/record=b1309541*est <https://digikogu.taltech.ee/et/Item/e7e45a50-ac5b-44ae-a6bf-2c955cf96982>

О влиянии технологии изготовления на износостойкость порошковых железохромистых сплавов в гидроабразивной струе

Fraiman, L.I.; Kallas, Paul Свойства и технология изготовления износостойких материалов 1982 / с. 47-53 : ил https://www.ester.ee/record=b1309562*est <https://digikogu.taltech.ee/et/Item/da5bb058-212f-443b-9de3-5673fbd01534>

О коррозионной стойкости порошковых карбидтитановых твердых сплавов

Kallast, Vambola; Kübarsepp, Jakob Защита металлов 1987 / с. 659-662 : фот., табл https://www.ester.ee/record=b2054384*est

О методике исследования фрикционных свойств спеченных материалов на основе железа

Migunov, V.; Siimar, Rein Тезисы докладов I республиканской конференции по порошковой металлургии : эрозиянностойкие спеченные материалы и их применение 1975 / с. 43 https://www.ester.ee/record=b1314322*est

О ходе гидратации цементных порошков моно- и полидисперсных составов

Uustalu, Enn Изучение процессов гидратации, структуры и свойств золоторландцементных бетонов 1982 / с. 25-35 : ил https://www.ester.ee/record=b1310488*est <https://digikogu.taltech.ee/et/Item/df1af464-73fa-4121-a182-9e2b5fb8f772>

Определение твердости порошковых материалов и покрытий

Aasa, A.; Kulu, Priit XXXII студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 19-21 апреля 1988 г. : тезисы докладов : [в 3-х частях], ч. 2 1988 / с. 106 https://www.ester.ee/record=b1571601*est

Опыт применения износостойких порошковых покрытий на предприятии "Терпа"

Ковалевский А. Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 50-51

Особенности создания эрозиянностойких газотермических покрытий на порошковых материалах

Kulu, Priit Свойства и технология изготовления износостойких материалов 1984 / с. 35-40

Подшипники из порошка [о порошковой металлургии]

Mosberg, Rudolf Советская Эстония : орган ЦК Компартии Эстонии, Верховного Совета и Совета Министров Эстонской ССР 1968 / с. [?] https://www.ester.ee/record=b1447330*est

Порошковый магнитомягкий композиционный материал в переменном магнитном поле

Varik, Lembit-Heino; Roninson, Aleksander Исследование электрических машин и электромагнитных устройств

специального назначения 1983 / с. 43-48 https://www.ester.ee/record=b1271915*est <https://digikogu.taltech.ee/et/Item/d1676714-579b-4ec9-949f-401ab84c5a70>

Применение пористых материалов и распыливающих устройств

Arensburger, Daniil; Bazarov, V. Гагаринские чтения... 1983 / с. [?]

Принципы создания эрозионностойких порошковых материалов и покрытий

Kulu, Priit Износостойкие спеченные материалы и покрытия 1988 / с. 51-55

Принципы управления комплексом гидроабразивная износостойкость-прочность твердых сплавов

Valdma, Leo; Pirso, Jüri; Kallas, Paul; Kübarsepp, Jakob Новые технологические процессы в порошковой металлургии 1986 / с. 47-52 https://www.ester.ee/record=b2047985*est

Принципы управления комплексом гидроабразивная износостойкость-прочность твердых сплавов

Valdma, Leo; Pirso, Jüri; Kallas, Paul; Kübarsepp, Jakob Порошковая металлургия : тезисы докладов XV всесоюзной научно-технической конференции : (19-22 нояб. 1985 г.) 1985 / с. 403-404 https://www.ester.ee/record=b2336294*est

Прогнозирование износостойкости порошковых материалов и покрытий в условиях абразивной эрозии

Kulu, Priit; Tammeraid, Ivar; Halling, Jaanus Трение и износ в машинах. 14 1987 / с. 32-40

Пути повышения износостойкости порошковых железных материалов и покрытий на них

Kulu, Priit; Kallas, Paul; Halling, Jaanus Порошковая металлургия : тезисы докладов XV всесоюзной научно-технической конференции : (19-22 нояб. 1985 г.) 1985 / с. 242-243 https://www.ester.ee/record=b2336294*est

Расчет износа гетерогенных порошковых материалов и покрытий

Kulu, Priit; Halling, Jaanus Трение и износ в машинах. 15 1989 / с. 46-52

Рекристаллизация порошка ZnS

Nirk, Tiit; Varvas, Jüri; Nei, Toomas; Kerm, Karin Электронные материалы 1989 / с. 11-16

Свойства напыленных порошковых покрытий

Kulu, Priit; Kallas, Paul; Halling, Jaanus Свойства и технология изготовления композиционных материалов 1985 / с. 13-19

Связь между микромеханическими свойствами и эрозионной стойкостью порошковых материалов и покрытий

Ivaštšenko, L.K.; Kulu, Priit; Mühlman, J.; Halling, Jaanus Свойства и технология изготовления композиционных материалов 1986 / с. 38-44

Сравнительное испытание порошковых покрытий в различных условиях абразивной эрозии

Kulu, Priit; Rõuk, Arno Тезисы докладов пятой республиканской конференции "Эрозионностойкие порошковые материалы и покрытия" 1988 / с. 56-57 https://www.ester.ee/record=b1256812*est

Сравнительный анализ гранулометрического состава порошков, полученных различными методами

Tümanok, Aleksei; Sisask, U.O. Дезинтеграторная технология : тезисы докладов V Всесоюзного семинара, 8-10 сентября 1987 года 1987 / с. 173-176 : илл https://www.ester.ee/record=b1273710*est

Технология и оборудование для нанесения порошковых плазменных покрытий

Клявиньш А.; Пиладзис А. Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 56-57

Улучшение однородности исходных порошковых материалов CdS, используемых при вакуумном напылении пленок

Mellikov, Enn; Hiie, Jaan; Karpenko, I.V.; Putškova, K.N.; Rändur, Õie; Krunks, Malle; Veel, Ene; Türn, Leo Полупроводниковые материалы. 3 1976 / с. 43-51 https://www.ester.ee/record=b1403374*est <https://digikogu.taltech.ee/et/Item/5f8fd05c-ff69-4315-9d64-1d9c9611667b>

Упрочнение и восстановление деталей путем нанесения порошковых покрытий

Kulu, Priit Долговечность, расчет и конструирование деталей и узлов машин и технологического оборудования 1985 / с. 25-32

Установка для измерения диэлектрических потерь порошковых материалов в широком интервале температур (80-600 К) и в условиях высокого вакуума

Mere, Arvo Электрофизические свойства полупроводниковых и диэлектрических материалов 1983 / с. 53-56 : ил https://www.ester.ee/record=b1291687*est <https://digikogu.taltech.ee/et/Item/9447de85-407e-426e-843d-2f0c98097f4e>

Химико-термическая обработка спеченных материалов и деталей сельскохозяйственных машин

Kulu, Priit; Jakovlev, B.I. Спеченные конструкционные материалы 1976 / с. 71-75

