

### **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 Cr<sub>3</sub>C<sub>2</sub>-based powders**

**Sarjas, Heikki; Surženkov, Andrei; Juhani, Kristjan; Antonov, Maksim; Adoberg, Eron; Kulu, Priit; Viljus, Mart; Traksmaa, Rainer; Matikainen, Ville; Vuoristo, Petri** Journal of thermal spray technology 2017 / p. 2020-2029 : ill <https://doi.org/10.1007/s11666-017-0638-2>

### **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://fntdk.ut.ee/teesid-2019/>

### **Angularity evaluation of milled WC-Co powder**

**Kulu, Priit; Mikli, Valdek; Käerdi, Helmo; Besterce, 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

### **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; Besterce, Michal** Materials Engineering & Balttrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jurmala, Latvia 2001 / p. 3-7 : ill

### **Characterization of powder particle angularity**

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

### **Characterization of powder particle morphology**

**Mikli, Valdek; Käerdi, Helmo; Kulu, Priit; Besterce, 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 XIth 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 CuInSe<sub>2</sub> monograin powders for solar cell application = CuInSe<sub>2</sub> monoterapulbri koostise uurimine ja rakendus päikesepatareides**

**Kauk, Marit** 2006 <https://digi.lib.tu.ee/i/?99> [https://www.ester.ee/record=b2208780\\*est](https://www.ester.ee/record=b2208780*est)

### **Chemical etching of Cu<sub>2</sub>ZnSn(S,Se)<sub>4</sub> 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 Cu<sub>10</sub>Cd<sub>2</sub>Sb<sub>4</sub>S<sub>13</sub> 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 Cu<sub>2</sub>ZnSnSe<sub>4</sub> synthesis and SnS recrystallization in a molten salt medium = Keemilised protsessid Cu<sub>2</sub>ZnSnSe<sub>4</sub> sünteesil ja SnS rekristallisatsioonil sulade soolade keskkonnas**

**Leinemann, Inga** 2019 <https://digi.lib.tu.ee/i/?11250> [https://www.ester.ee/record=b5185552\\*est](https://www.ester.ee/record=b5185552*est)

### **Chemical treatment of tetrahedrite Cu<sub>10</sub>Cd<sub>2</sub>Sb<sub>4</sub>S<sub>13</sub> monograin powder**

**Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 24 <http://fmdk.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-TiB<sub>2</sub> crystalline powders : Synthesis, microstructural analysis and their utilization as reinforcement agent**

**Khoshsima, 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.apt.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-equiatomical 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

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

**Kouhiisfahani, Elham; Samiepour, Ali; Meissner, Dieter** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiaid" : 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

### **Cu<sub>2</sub>ZnSnS<sub>4</sub> 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-Kuusik, 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](#)

### **Cu<sub>2</sub>ZnSnSe<sub>4</sub> 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

### **Cu<sub>2</sub>ZnSnSe<sub>4</sub> monograin powders for solar cell application [Electronic resource]**

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

### **Deep defects in Cu<sub>2</sub>ZnSnS<sub>4</sub> 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](https://www.ester.ee/record=b5677855*est)

### **Effect of alkali ions (Na<sup>+</sup>, K<sup>+</sup>, Cs<sup>+</sup>) 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<sup>+</sup>, K<sup>+</sup>, Cs<sup>+</sup>) 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 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 Cu<sub>2</sub>ZnSnS<sub>4</sub> 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-Kuusik, 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<sub>1-x</sub>Se<sub>x</sub> monograin powders**

**Altosaar, Mare; Krustok, Jüri; Mädasson, Jaan; Mellikov, Enn; Kukk, 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 CuInSe<sub>2</sub> and Cu<sub>2</sub>ZnSn(S,Se)<sub>4</sub> monograin powders synthesized in molten KI =**

**Kaaliumjodiidsulandaja keskkonnas kasvatatud monoterapulbrite CuInSe<sub>2</sub> ja Cu<sub>2</sub>ZnSn(S,Se)<sub>4</sub> 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**

**Mellikov, 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 Cu<sub>2</sub>CDGESE<sub>4</sub> 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://fntdk.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 <http://dx.doi.org/10.4028/www.scientific.net/KEM.674.35>

### **Impact of growth-synthesis conditions on Cu<sub>2</sub>Zn<sub>1-x</sub>CdxSn<sub>4</sub> 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 Cu<sub>2</sub>ZnSn<sub>4</sub> 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 Cu<sub>2</sub>ZnSnSe<sub>4</sub> 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 Cu<sub>2</sub>ZnSn<sub>4</sub> 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, Jaan**; Ernits, Kaia Thin solid films 2017 / p. 122-126 : ill <https://doi.org/10.1016/j.tsf.2016.10.017>

### **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 / I. 14-18: ill [https://www.ester.ee/record=b1492085\\*est](https://www.ester.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** Inseneria 2009 / 5(13), lk. 30-32 : ill [https://artiklid.elnet.ee/record=b1451828\\*est](https://artiklid.elnet.ee/record=b1451828*est)

## **Lifetime Achievement in Science go to Jakob Kübarsepp and Raivo Uibo**

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

## **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](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 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 CuInSe<sub>2</sub> 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 B<sub>4</sub>C 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 [Monograin layer solar cell for future lunar outpost](#) <https://dl.iafastro.directory/event/IAC-2020/paper/56905/> [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **Nanopowders and nanostructured coatings**

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

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

2005 [http://www.ester.ee/record=b2038086\\*est](http://www.ester.ee/record=b2038086*est)

### **A novel route for the preparation of TiB<sub>2</sub>/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://fntdk.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](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 : proceedings 1996 / p. 58-65: ill [https://www.ester.ee/record=b1033950\\*est](https://www.ester.ee/record=b1033950*est)

### **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

### **Photoelectrochemical properties and band positions of Cd-substituted tetrahedrite Cu<sub>10</sub>Cd<sub>2</sub>Sb<sub>4</sub>S<sub>13</sub> monograin materials grown in molten CdI<sub>2</sub> and Lil**

**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 Cu<sub>2</sub>ZnSn(SexS<sub>1-x</sub>)<sub>4</sub> 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 CuInSe<sub>2</sub> powders**

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

### **Photoluminescence of Se-annealed CuInSe<sub>2</sub> 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, Nanostructured Materials and Coatings : Network for Nanostructured Materials of ACC : March 17, 2005, Tallinn, Estonia : book of abstracts 2005 / p. 31-33 : ill

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

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

### **Properties of steel powder prepared from bearing steel turnings**

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

### **Pyrite FeS<sub>2</sub> solar cells fabrication for lunar base energy production**

**Kristmann, Katriin; Raadik, Taavi; Altosaar, Mare; Grossberg-Kuusik, Maarja; Krustok, Jüri; Pilvet, Maris; Mikli, Valdek; Kauk-Kuusik, Marit; Makaya, Advenit** IAC 2022 congress proceedings 2022 / art. 190266 [Pyrite FeS<sub>2</sub> 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](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

### **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](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](#)

### **Selection of processing conditions for solution growth of CdTe and CuInSe<sub>2</sub> 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 MoS<sub>2</sub>/Mo<sub>2</sub>S<sub>3</sub> 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 CuInSe<sub>2</sub> 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 2018 / art. 214, 11 p. : ill <https://doi.org/10.1007/s11051-018-4312-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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**; Lütfi 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>

### **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](#)

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

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

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

**Penezko, 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://fntdk.ut.ee/teesid-2019/>

### **Study of CU<sub>2</sub>GE(S,SE)<sub>3</sub> and CU<sub>2</sub>CDGE(S,SE)<sub>4</sub> 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 Cu<sub>2</sub>ZnSnSe<sub>4</sub> monograin formation in molten KI starting from binary chalcogenides**

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

### **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 Cu<sub>2</sub>ZnSnSe<sub>4</sub> 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 Cu<sub>10</sub>Cd<sub>2</sub>Sb<sub>4</sub>S<sub>13</sub> 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 Cu<sub>2</sub>ZnSnS<sub>4</sub> nano-powders and nano-structured thin films = Cu<sub>2</sub>ZnSnS<sub>4</sub> nano-pulbrite ja nano-struktuursete kilede süntees**

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

**Synthesis of nanocrystalline TiC powders by reactive milling**

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

**Tallinna Tehnikaülikooli teadlased löid uue põlvkonna päikesepatarei [Võrguväljaanne]**

**Kauk-Kuusik, Marit** novaator.err.ee 2020 / fot [Tallinna Tehnikaülikooli teadlased löid uue põlvkonna päikesepatarei](https://www.ester.ee/record=b5151482*est)

**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](https://www.ester.ee/record=b1585989*est)

**The effect of Ag alloying of Cu<sub>2</sub>(Zn,Cd)SnS<sub>4</sub> 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 Cu<sub>2</sub>CdGe(S<sub>x</sub>Se<sub>1-x</sub>)<sub>4</sub> 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 Cu<sub>2</sub>CdGe(S<sub>x</sub>Se<sub>1-x</sub>)<sub>4</sub> 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://fntdk.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-Kuusik, 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 combing The 5th Annual Finnish Powder Metallurgy Network Seminar : Tampere, Finland, 2003 2003 / p. 7

**Ultrahigh pressure spark plasma sintering of ZrC-TiC-MoSi<sub>2</sub> and ZrC-TiC-Si<sub>3</sub>N<sub>4</sub> 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://fntdk.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 внешнесилового фактора 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](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](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](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](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 : эрозияустойчивые спеченные материалы и их применение 1975 / с. 34 [https://www.ester.ee/record=b1314322\\*est](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](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](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](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; Pirsso, 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**

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

### **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](https://www.ester.ee/record=b1305565*est)

### **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](https://www.ester.ee/record=b1253975*est)

### **Износостойкость порошковых твердых сплавов**

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

### **Испытание спеченных материалов на гидроабразивное изнашивание**

**Valdma, Leo; Kallas, Paul** Тезисы докладов I республиканской конференции по порошковой металлургии : эрозиянностойкие спеченные материалы и их применение 1975 / с.27-28 [https://www.ester.ee/record=b1314322\\*est](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 газовой цементации спеченных материалов на базе железа**

**Kulu, Priit; Püss, J.; Jakovlev, B.** Тезисы докладов I республиканской конференции по порошковой металлургии : эрозиянностойкие спеченные материалы и их применение 1975 / с. 38 [https://www.ester.ee/record=b1314322\\*est](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 "Эрозиянностойкие порошковые материалы и покрытия" 1988 / с. 32-33 [https://www.ester.ee/record=b1256812\\*est](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](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](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 1987 / с. 213-219 : ил., табл [https://www.ester.ee/record=b1198772\\*est](https://www.ester.ee/record=b1198772*est)

### **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](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](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](https://www.ester.ee/record=b1308562*est)

### **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](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](https://www.ester.ee/record=b1314322*est)

### **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](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](https://www.ester.ee/record=b1447330*est)

### **Применение пористых материалов и распыливающих устройств**

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

### **Принципы создания эрозиянностойких 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](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](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](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

**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](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://www.ester.ee/record=b1403374*est) <https://digikogu.taltech.ee/et/Item/5f8fd05c-ff69-4315-9d64-1d9c9611667b>

**Химико-термическая обработка спеченных материалов и деталей сельскохозяйственных машин**

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