

### **Adaption of a non-linear deformation model for the erosion behaviour of ceramics**

**Pappel, Toivo; Järvpõld, Neeme** International Conference Balttrib'99 : 21-22 September 1999, Kaunas, Lithuania : proceedings 1999 / p. 274-280

### **Aluminate-based nanostructured luminescent materials : design of processing and functional properties**

**Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Fernandez, Jose Francisco; Hussainova, Irina** Materials 2021 / art. 4591 <https://doi.org/10.3390/ma14164591> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Application of thermal analyses for historical building ceramics**

Podoba, Rudolf; **Kaljuvee, Tiit**; Štubna, Igor; Podobnik, Luboš Book of abstracts : 2nd Central and Eastern European Conference on Thermal Analysis and Calorimetry, 27-30 August 2013, Vilnius, Lithuania 2013 / p. 291

### **Assessing the frost resistance of illite-based ceramics through the resonant frequency of free vibration and internal damping**

Hulan, Tomaš; Knapek, Michal; Minarik, Peter; Csaki, Štefan; **Kaljuvee, Tiit; Uibu, Mai** AIP conference proceedings 2017 / art. 040015, p. 1-7 <https://doi.org/10.1063/1.4994495> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Bioinert ceramics scaffolds for bone tissue engineering by laser-based powder bed fusion : a preliminary review**

**Kamboj, Nikhil Kumar; Piili, H.; Ganvir, A.; Gopaluni, A.; Nayak, C.; Moritz, N.; Salminen, A.** IOP conference series : materials science and engineering 2023 / art. 012022, 10 p. : ill <https://doi.org/10.1088/1757-899X/1296/1/012022>

### **Bioinert ceramics scaffolds for bone tissue engineering by laser-based powder bed fusion : a preliminary review**

**Kamboj, Nikhil Kumar; Piili, H.; Ganvir, A.; Gopaluni, A.; Nayak, C.; Moritz, N.; Salminen, A.** Nordic laser materials processing conference (NOLAMP19) 22-24. august 2023, Turku, Finland : Programme and abstract book 2023 / p. 66 <https://nolamp19.fi/>

### **Cationic substitution effects in sol-gel derived Ca-phosphate bioceramics materials**

**Bogdanoviciene, Irma; Ezerskyte-Miseviciene, Akvile; Traksmas, Rainer; Tõnsuaadu, Kaia; Kareiva, Aivaras** Chemistry and Chemical Technology 2015 : International Conference of Lithuanian Chemical Society : dedicated to Professor Vitas Daukšas on his 80th birth anniversary : Vilnius, Lithuania, January 23, 2015 : programme and proceedings of the international conference 2015 / p. 66-69 : ill

### **Combustion synthesis of MoSi<sub>2</sub> based composite and selective laser sintering thereof**

**Minasyan, Tatevik; Aghayan, Marina; Liu, Le; Aydinian, Sofiya; Kollo, Lauri; Hussainova, Irina; Rodriguez, Miguel Angel** Journal of the European Ceramic Society 2018 / p. 3814-3821 : ill <https://doi.org/10.1016/j.jeurceramsoc.2018.04.043> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparison of regeneration methods for ceramic filter media**

Puranen, J.; Ekberg, Bjarne; Häkkinen, Antti; **Kallas, Juha** Proceedings of the 10th World Filtration Congress : Leipzig, Germany, April 14-18. 1 2008 / p. I-165 - I-169  
[https://www.researchgate.net/publication/287656959\\_Comparison\\_of\\_regeneration\\_methods\\_for\\_ceramic\\_filter\\_media](https://www.researchgate.net/publication/287656959_Comparison_of_regeneration_methods_for_ceramic_filter_media)

### **Critical radius of zirconia inclusions in transformation toughening of ceramics**

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

### **Diffusion welding technology as a method of metallization of ceramic substrates**

**Korolkov, Oleg; Rang, Toomas** BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 479-482: ill

### **Diffusionsschweißen von Werkstoffen mit unterschiedlichen Eigenschaften = Diffusion welding of different materials = Erinevate materjalide difusioonkeevitus**

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

### **Directional conductivity in layered alumina**

**Hussainova, Irina; Saffarshamshirgar, Ali; Ivanov, Roman; Volobujeva, Olga; Romanov, Alexey; Gasik, Michael** Current applied physics 2022 / p. 68-73 : ill <https://doi.org/10.1016/j.cap.2020.06.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effect of basalt and silica additives on erosive wear resistance of cast ceramics**

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

### **Effect of nanoparticles on morphology and size of primary silicon and property of selective laser melted Al-high Si content alloys**

Xi, Lixia; Guo, Shuang; **Prashanth, Konda Gokuldoss; Sarac, Baran; Eckert, Jürgen** Vacuum 2021 / art. 110405

**Effect of TiB<sub>2</sub> particles on microstructure and crystallographic texture of Al-12Si fabricated by selective laser melting**

Xi, L.; Wang, P.; **Prashanth, Konda Gokuldoss**; Li, H. Journal of alloys and compounds 2019 / p. 551-556 : ill

<https://doi.org/10.1016/j.jallcom.2019.01.327> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Electro-discharge machining of ceramic magnetic materials**

**Kruusing, Arvi**; Makarova, Olga; Uusimäki, Antti; Leppävuori, Seppo Proceedings of the Third National DAAAM Conference in Estonia : SCIENCE '98 1998 / p. 114-117: ill

**Erosion of engineering ceramics by solid particle impact**

**Pappel, Priit** Proceedings of the First National DAAAM Conference in Estonia : Science '95 1996 / p. 57-66: ill

**Erosive wear of spark plasma sintered Al<sub>2</sub>O<sub>3</sub> - cBN ceramic composites**

**Kariminejad, Arash**; Kumar, Rahul; Antonov, Maksim; Hussainova, Irina; Klimczyk, Piotr Diamond and Related Materials 2025 / art. 112328 <https://doi.org/10.1016/j.diamond.2025.112328>

**Formation of Ca-Zn-Na phosphate bioceramic material in thermal processing of EDTA sol-gel precursor**

**Bogdanoviciene, Irma**; Cepenko, Marina; **Traksmäa, Rainer**; Kareiva, Aivaras; **Tõnsuaadu, Kaia** Journal of Thermal Analysis and Calorimetry 2015 / p. 107-114 : ill <https://doi.org/10.1007/s10973-015-4507-2> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Formation of Ca-Zn-Na phosphate bioceramic material in thermal processing of EDTA sol-gel precursor**

**Bogdanoviciene, Irma**; Cepenko, Marina; **Traksmäa, Rainer**; Kareiva, Aivaras; **Tõnsuaadu, Kaia** ESTAC-11 : the 11th European Symposium on Thermal Analysis and Calorimetry : Dipoli Congress Center, Espoo, Finland, August 17-21, 2014 : abstracts 2014 / p. 190

**Grain refinement in laser manufactured Al-based composites with TiB<sub>2</sub> ceramic**

Xi, Lixia; Guo, Shuang; Wang, Ruiqi; Ding, Kai; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2020 / p. 2611-2622 <https://doi.org/10.1016/j.jmrt.2020.04.059> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Hard-particle erosion of engineering ceramics**

**Pappel, Priit** OST-96 Symposium on Machine Design, [Stockholm], May 13-14, 1996 : proceedings 1996 / p. 28-35: ill [https://www.ester.ee/record=b1033950\\*est](https://www.ester.ee/record=b1033950*est)

**High pressure high temperature consolidation of ZrC based ceramic composites**

**Minasyan, Tatevik**; **Aydinyan, Sofiya**; Liu, Lei; Cygan, Slawomir; **Hussainova, Irina** [2018 World Congress on Powder Metallurgy (WORLDPM2018), Beijing, China, 16-18 September 2018 2018 / p. [515-518] : [USB]

**High temperature electrical conductivity in ZnS:Cu:Cl ceramics and in CdSexTe1-x polycrystalline solid solutions**

**Lott, Kalju**; **Nirk, Tiit**; Gorokhova, Elena; Ryzhikov, Engels Solid state phenomena 1999 / Polycrystalline Semiconductors V : Bulk Materials, Thin Films and Devices : Proceedings of the Fifth International Conference, held in Schwäbisch Gmünd, Germany, September 13-18, 1998, ISBN 3-908450-43-8, p. 329-334: ill

**High temperature electrical conductivity in undoped ceramic ZnO**

**Lott, Kalju**; **Nirk, Tiit**; Gorokhova, Elena; **Türn, Leo**; **Viljus, Mart**; **Öpik, Andres**; Vishnjakov, A. Crystal research and technology 2015 / p. 10-14 : ill <https://doi.org/10.1002/crat.201400138> Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

**High temperature electrical conductivity of Zn:Cu:Cl ceramic in phase-transition region**

**Lott, Kalju** Journal of optical technology 1999 / 7, p. 635-639

**Hybrid graphene/alumina nanofibers for electroconductive zirconia**

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

**Induction brazing of cermets to steel and eddy current testing of joint quality**

**Laansoo, Andres**; **Kübasepp, Jakob**; **Surženkov, Andrei**; Land, Raul; **Märtens, Olev**; **Viljus, Mart** Welding in the World 2020 / p. 563-571 <https://doi.org/10.1007/s40194-020-00854-x> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**The influence of thermal dilution on the microstructure evolution of some combustion-synthesized refractory ceramic composites**

**Aydinyan, Sofiya**; Kharatyan, Suren; **Hussainova, Irina** Crystals 2022 / art. 59 <https://doi.org/10.3390/cryst12010059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Influence of thermal processing on the structure of hydroxyapatite**

Pluduma, L.; Gross, K.A.; Borodajenko, N.; **Tõnsuaadu, Kaia**; Berzina-Cimdina, L. Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28-29, 2010, Riga, Latvia 2010 / p. 8  
<https://ortus.rtu.lv/science/lv/publications/8627>

#### **Insenerikeraamika - uus põlvkond materjale**

**Kleis, Ilmar** Tehnika ja Tootmine 1991 / 5, lk. 11-13

#### **Laser powder-bed fusion of ceramic particulate reinforced aluminum alloys: a review**

**Minasyan, Tatevik**; **Hussainova, Irina** Materials 2022 / art. 2467 <https://doi.org/10.3390/ma15072467> [Journal metrics at Scopus](#)  
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Layered functionally graded alumina ceramic composites**

**Drozdova, Maria**; **Ivanov, Roman**; Rodriguez, Miguel Angel; **Hussainova, Irina** ECerS 2017 : 15th Conference & Exhibition of the European Ceramic Society, July 9–13, 2017, Budapest, Hungary : Book of abstracts 2017 / p. 227  
<https://static.akcongress.com/downloads/ecers/ecers2017-abstract-book.pdf>

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

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

#### **Microstructure formation and performance of reactive sintered titanium oxycarbide base ceramic-ceramic composites**

**Juhani, Kristjan**; **Kübarsepp, Jakob**; **Tarraste, Marek**; **Pirso, Jüri**; **Viljus, Mart** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 131-135 : ill <https://www.scientific.net/KEM.799.131> [https://www.ester.ee/record=b5235278\\*est](https://www.ester.ee/record=b5235278*est)  
<https://doi.org/10.4028/www.scientific.net/KEM.799.131> [Conference proceeding at Scopus](#) [Article at Scopus](#)

#### **MoSi<sub>2</sub> based composites preparation by combustion synthesis with subsequent selective laser sintering [Online resource]**

**Minasyan, Tatevik**; Rodriguez, Miguel Angel; **Liu, Le**; **Aghayan, Marina**; **Kollo, Lauri**; **Hussainova, Irina** Abstracts : 14th International Ceramics Congress 2018 / CB-10.2:L07 [http://2018.cimtec-congress.org/abstracts\\_focused\\_session\\_cb-10](http://2018.cimtec-congress.org/abstracts_focused_session_cb-10)

#### **New materials through a variety of sintering methods**

Jaworska, L.; Cyboron, J.; Cygan, Slawomir; Laszkiewicz-Łukasik, J.; Podsiadło, M.; Novak, P.; **Holovenko, Yaroslav** E-MRS Fall Symposium I: Solutions for Critical Raw Materials Under Extreme Conditions (E-MRS 2017) : Warsaw, Poland 18-21 September 2017 2018 / art. 012004 : ill <https://doi.org/10.1088/1757-899X/329/1/012004> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Novel approach for the synthesis and sintering of TiB<sub>2</sub>-Si<sub>3</sub>N<sub>4</sub> ceramic composite**

**Liu, Le**; **Minasyan, Tatevik**; **Aydinyan, Sofiya**; **Hussainova, Irina** European Powder Metallurgy Association : proceedings : 14 – 18 October 2018, Bilbao, Spain 2018 / art. 3987173 [USB] <https://www.epma.com/publications/euro-pm-proceedings/product/euro-pm2018-proceedings-usb>

#### **Oxidation of spark plasma sintered ZrC-Mo and ZrC-TiC composites**

Yung, Der-Liang; **Maaten, Birgit**; **Antonov, Maksim**; **Hussainova, Irina** International journal of refractory metals and hard materials 2017 / p. 244-251 : ill <https://doi.org/10.1016/j.jirmhm.2017.03.019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)  
[Article at WOS](#)

#### **Polarization and depolarization currents in kaolin**

Ondruška, Jan; Štubna, Igor; Trnovcova, Viera; Medved, Igor; **Kaljuvee, Tiit** Applied clay science 2015 / p. 157-160 : ill  
<https://doi.org/10.1016/j.clay.2015.05.022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Processing and mechanical properties of ZrC-ZrO<sub>2</sub> composites**

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

#### **Reliability assessment of cutting tool materials using surface fatigue device**

**Kumar, Rahul**, 1993-; **Antonov, Maksim** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 48  
<http://fmdtk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

#### **Selective laser melting for manufacturing of MoSi<sub>2</sub>/Si<sub>3</sub>N<sub>4</sub> composites**

**Minasyan, Tatevik**; Rodriguez, Miguel Angel; **Liu, Le**; **Aghayan, Marina**; **Kollo, Lauri**; **Hussainova, Irina** ECerS 2017 : 15th

#### **Selective laser melting of ceramic composites**

**Aydinyan, Sofiya; Liu, Le; Minasyan, Tatevik; Hussainova, Irina** XVI Conference and Exhibition Of The European Ceramic Society : abstract book 2019 / p. 22

#### **Selective laser melting of Ti-B-Si system produced by SHS [Online resource]**

**Aydinyan, Sofiya; Liu, Le; Hussainova, Irina** Abstracts : 14th International Ceramics Congress 2018 / CB-10.2:L06  
[http://2018.cimtec-congress.org/abstracts\\_focused\\_session\\_cb-10](http://2018.cimtec-congress.org/abstracts_focused_session_cb-10)

#### **SHS produced TiB<sub>2</sub>-Si powders for selective laser melting of ceramic-based composite**

**Liu, Le; Aydinyan, Sofiya; Minasyan, Tatevik; Hussainova, Irina** Applied sciences 2020 / art. 3283, 12 p. : ill  
<https://doi.org/10.3390/app10093283> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **SHS-derived powders obtained by coupled reactions and thermal dilution for subsequent consolidation**

**Aydinyan, Sofiya; Hussainova, Irina; Kharatyan, Suren** CIMTEC 2022 : 15th International Ceramics Congress (June 20-24) CIMTEC 2022 : 9th Forum on New Materials (June 25-29) 2022 [http://2022.cimtec-congress.org/focused-session-ca-11\\_1](http://2022.cimtec-congress.org/focused-session-ca-11_1)

#### **Sintering behavior of ZrC-TiC-MoSi<sub>2</sub> ceramic composite [Online resource]**

**Minasyan, Tatevik; Aydinyan, Sofiya; Liu, Le; Cygan, Slawomir; Hussainova, Irina** Explosive Production of New Materials : Science, Technology, Business, and Innovations 2018 / p. 148-150 : ill  
[http://www.ism.ac.ru/events/EPNM2018/EPNM2018\\_BookofPapers.pdf](http://www.ism.ac.ru/events/EPNM2018/EPNM2018_BookofPapers.pdf) <http://dx.doi.org/10.30826/EPNM18-052>

#### **Sintering of zirconium carbide-based composites**

**Yung, Der-Liang; Voltšihhin, Nikolai; Hussainova, Irina; Kollo, Lauri; Traksmaa, Rainer** Proceedings of EuroPM2012 – Hardmetals : Cermets and Ceramics 2012 / p. 83-88 : ill  
[https://www.researchgate.net/publication/250254543\\_Sintering\\_of\\_zirconium\\_carbide-based\\_composites](https://www.researchgate.net/publication/250254543_Sintering_of_zirconium_carbide-based_composites)

#### **Sol-gel chemistry approach in the preparation of precursors for the substituted superconducting oxides**

**Pleckis, G.; Tõnsuaadu, Kaia; Baubonyte, T.; Kareiva, Aivaras** Journal of non-crystalline solids 2002 / p. 250-258  
<https://www.sciencedirect.com/science/article/abs/pii/S0022309302013777>

#### **Sol-Gel synthesis and characterization of Mg and Na substituted calcium hydroxyapatite based bioceramic materials**

**Bogdanoviciene, Irma; Cepenko, Marina; Traksmaa, Rainer; Kareiva, Aivaras; Tõnsuaadu, Kaia** 26th Symposium and Annual Meeting of the International Society for Ceramics in Medicine (BIOCERAMICS 26) : final programme and abstracts book : Barcelona, 6/8 November 2014 2014 / p. 176

#### **Sol-gel synthesis and characterization of Sr, Zn and Na substituted CaHA based bioceramic materials**

**Bogdanoviciene, Irma; Traksmaa, Rainer; Kareiva, Aivaras; Tõnsuaadu, Kaia** 16th International Conference-School Advanced Materials and Technologies 2014 : Augus 27-31, Palanga, Lithuania 2014 / p. 102

#### **Studies of structural and morphological properties of cuprate conductive ceramics after electrochemical treatment in alkaline electrolyte**

**Stoyanova-Ivanova, Angelina; Lilov, Peter; Vasev, Alexander; Stoyanova, Antonina; Ivanova, Galia; Karashanova, Daniela; Mikli, Valdek** Materials chemistry and physics 2020 / art. 121934 <https://doi.org/10.1016/j.matchemphys.2019.121934> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Superhard CBN-AL<sub>2</sub>O<sub>3</sub> composites for cutting tool applications**

**Kumar, Rahul, 1993-; Antonov, Maksim** 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/>

#### **Synthesis of porous bio-ceramic(Silicon and Calcium silicate) implants by selective laser melting for local delivery of Vancomycin**

**Kamboj, Nikhil Kumar; Hussainova, Irina; Rodríguez Barbero, M. A.; Rodrigo, S.; Prashanth, Konda Gokuldoss** 43rd International Conference & Exposition on Advanced Ceramics and Composites : abstract book 2019 / p. 190 [https://ceramics.org/wp-content/uploads/2018/09/ICACC19\\_Abtracts\\_WebFinal.pdf](https://ceramics.org/wp-content/uploads/2018/09/ICACC19_Abtracts_WebFinal.pdf)

#### **Tallinnas asuti looma seadet, mis toodab veest vesinikku täiesti uut moodi [Võrguväljaanne]**

**Pau, Aivar** forte.delfi.ee 2022 [Tallinnas asuti looma seadet, mis toodab veest vesinikku täiesti uut moodi](#)

#### **The hard-particle erosion of engineering ceramics**

**Kleis, Ilmar; Pappel, Priit** Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / I. 29  
[https://www.ester.ee/record=b1492085\\*est](https://www.ester.ee/record=b1492085*est)

#### **The properties of different barrier coatings**

**Pihl, Toomas; Vainola, Vello; Pihl, Riina** Proceedings of the 6th International Conference of DAAAM Baltic "Industrial Engineering" :



24-26th April 2008, Tallinn, Estonia. [2] 2008 / p. 519-524 : ill <http://innomet.ttu.ee/daaam08/Online/Materials%20Engineering/Pihl.pdf>

#### **The resistance of ceramic materials to abrasive erosion**

**Pappel, Toivo; Üksti, Lembit** 9th Nordic Symposium on Tribology NORDTRIB 2000 : Porvoo, Finland, 11-14 June 2000. Vol. 3 2000 / p. 945-950 : ill

#### **The resistance of ceramic materials to hard-particle erosion**

**Pappel, Toivo; Jevgrafova, Natalja** OST-99 Symposium on Machine Design : Stockholm, 30th Sept. - 1st Oct., 1999 : proceedings 1999 / p. 65-70: ill

#### **The solid particle erosion of ceramic materials**

**Pappel, Toivo; Pappel, Priit** OST-98 Symposium on Machine Design, Oulanka, Finland, October 1-3, 1998 : proceedings 1998 / p. 67-72: ill

#### **The study of firing of a ceramic body made from illite and fluidized bed combustion fly ash**

Hulan, Tomaš; Trnik, Anton; **Kaljuvee, Tiit; Uibu, Mai**; Štubna, Igor; **Kallavus, Urve; Traksmäa, Rainer** Journal of thermal analysis and calorimetry 2017 / p. 79–89 : ill <https://doi.org/10.1007/s10973-016-5477-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **The use of high-temperature superconducting cuprate as a dopant to the negative electrode in Ni-Zn batteries**

Stoyanova-Ivanova, Angelina; Terzieva, Stanimira; **Mikli, Valdek** Bulgarian chemical communications 2015 / p. 221-228 : ill

#### **Thermal transport and thermoelectric effect in composites of alumina and graphene-augmented alumina nanofibers**

**Saffarshamshirgar, Ali**; Belmonte, Manuel; Tewari, Girish C.; **Rojas Hernandez, Rocio Estefania**; Seitsonen, Jani; **Ivanov, Roman**; Karppinen, Maarit; Miranzo, Pilar; **Hussainova, Irina** Materials 2021 / art. 2242 <https://doi.org/10.3390/ma14092242> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Ultrasound assisted mixing of zinc active mass with conductive ceramic additives for Ni-Zn battery**

Petrova, V.; Stoyanova-Ivanova, Angelina; Lilov, P.; Petkov, O.; Ivanova, B.; Karamanova, B.; Stoyanova, A.; **Mikli, Valdek** ECS transactions 2019 / p. 227-234 <https://iopscience.iop.org/article/10.1149/09501.0227ecst> <https://doi.org/10.1149/09501.0227ecst> [Conference proceeding at Scopus](#) [Article at Scopus](#)

#### **Wear resistance analysis of duplex interpenetrating ceramic composites via in-situ vibration monitoring**

**Kariminejad, Arash; Auriemma, Fabio; Antonov, Maksim; Klimczyk, Piotr; Hussainova, Irina** International journal of refractory metals and hard materials 2026 / art. 107454 <https://doi.org/10.1016/j.jrmhm.2025.107454>

#### **Wetting and interfacial behaviour in the TiB<sub>2</sub>-NiCrBSiC system**

Storozhenko, Maryna; Umanskyi, Oleksandr; **Antonov, Maksim** Journal of alloys and compounds 2019 / p. 15-22 : ill <https://doi.org/10.1016/j.jallcom.2018.11.102> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Üksiklained mittelineaarses mikrostruktuuriga tahkises ja nendega seotud pöördülesanne**

**Janno, Jaan; Engelbrecht, Jüri** Aastaraamat 2005 / Eesti Matemaatika Selts 2006 / lk. 12-29

#### **Керамические плазменные покрытия с повышенными физико-механическими свойствами**

Гросс Ю.; Клявиньш А. Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 54-55

#### **Критический радиус включений диоксида циркония в эффекте трансформационного упрочнения керамик**

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

#### **О возможности применения керамического материала в двухслойных скорых фильтрах**

**Tibar, Harri** Сборник статей по санитарной технике. 2 1965 / с. 67-74 : илл [https://www.ester.ee/record=b2085145\\*est](https://www.ester.ee/record=b2085145*est) <https://digikogu.taltech.ee/et/Item/49ebaf41-bd72-4622-904e-749785b287a6>