

Acoustic emission of Estonian clay Arumetsa during firing

Hulan, Tomaš; Štubna, Igor; **Kaljuvee, Tiit** THERMOPHYSICS 2018: 23rd International Meeting of Thermophysics 2018 : Smolenice, Slovakia, 7–9 November 2018 / art. 020016, [6] p <https://doi.org/10.1063/1.5047610> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Bioactive ceramic scaffolds for bone tissue engineering by powder bed selective laser processing : a review

Kamboj, Nikhil Kumar; Ressler, Antonia; **Hussainova, Irina** Materials 2021 / art. 5338 <https://doi.org/10.3390/ma14185338> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

BSCCO ceramics doped with ferromagnetic manganite phases

Staneva, Anna; Stoyanova-Ivanova, Angelina; **Terzieva, Stanimira**; Shoumarova, Janna; Grigorov, K.; Zaleski, Andrzej; **Mikli, Valdek**; Angelov, Christo; Dimitriev, Yanko Journal of optoelectronics and advanced materials 2009 / 10, p. 1541-1544 https://www.researchgate.net/publication/279900785_BSCCO_ceramics_doped_with_ferromagnetic_manganite_phases

Calcium hydroxyapatite, Ca₁₀(PO₄)₆(OH)₂ ceramics prepared by aqueous sol-gel processing

Bogdanoviciene, Irma; Beganskiene, Aldona; **Tõnsuaadu, Kaia**; Glaser, Jochen; Meyer, H.-Jürgen; Kareiva, Aivaras Materials research bulletin 2006 / p. 1754-1762 <https://www.sciencedirect.com/science/article/pii/S0025540806000778>

Colloquium 582 : Short Fibre Reinforced Cementitious Composites and Ceramics : book of abstracts, March 20-22, 2017

2017 http://www.ester.ee/record=b4658990*est

Effect of powder bed preheating on the crack formation and microstructure in ceramic matrix composites fabricated by laser powder-bed fusion process

Maurya, Himanshu Singh; Kosiba, Konrad; **Juhani, Kristjan**; **Sergejev, Fjodor**; **Prashanth, Konda Gokuldoss** Additive manufacturing 2022 / art. 103013, 13 p. : ill <https://doi.org/10.1016/j.addma.2022.103013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of solid lubricants on wear of PVD-coated spark plasma-sintered TiB₂/Ti composites

Luszcz, Maciej; Michalczewski, Remigiusz; Kalbarczyk, Marek; Osuch-Slomka, Edyta; **Liu, Le**; **Antonov, Maksim**; **Hussainova, Irina** Modern materials and manufacturing 2023 2024 / art. 040010 <https://doi.org/10.1063/5.0190460>

Electric properties of anorthite ceramics prepared from illitic clay and oil shale ash

Csaki, Štefan; Štubna, Igor; **Kaljuvee, Tiit**; Dobron, Patrik; Lukač, František; Trník, Anton Journal of materials research and technology 2022 / p. 4164-4173 <https://doi.org/10.1016/j.jmrt.2022.11.030> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A feasible pathway to stabilize monoclinic and tetragonal phase coexistence in barium titanate-based ceramics

Necib, Jallouli; Lopez-Sanchez, Jesus; Rubio-Marcos, Fernando; Serrano, Aida; Navarro, Elena; Pena, Alvaro; Taoufik, Mnasri; Smari, Mourad; **Rojas Hernandez, Rocio Estefania**; Carmona, Noemi; Marín, Pilar Journal of materials chemistry C 2022 / p. 17743-17756 <https://doi.org/10.1039/D2TC04265G> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fracture toughness of ceramics fired at different temperatures

Sin, Peter; **Veinthal, Renno**; **Sergejev, Fjodor**; **Antonov, Maksim**; Štubna, Igor Materials science = Medžiagotyra 2012 / p. 90-92 : ill https://www.researchgate.net/publication/268257498_Fracture_Toughness_of_Ceramics_Fired_at_Different_Temperatures

Halogeensodaliitide uurimine elektrosondi meetoditega : magistritöö väitekirj

Mikli, Valdek 1995 https://www.ester.ee/record=b2078841*est

High temperature electrical conductivity in ZnS:Cu ceramics and in CdSe-CdTe polycrystalline solid solutions

Lott, Kalju; **Nirk, Tiit**; Gorokhova, Elena; Ryzhikov, Engels Polyse'98 : Polycrystalline Semiconductors, September 13-18, 1998, Stadtgarten, Schwäbisch Gmünd, Germany : final program and abstracts 1998 / p. P31

Layered structure of alumina/graphene-augmented-inorganic-nanofibers with directional electrical conductivity

Saffarshamshirgar, Ali; **Rojas Hernandez, Rocio Estefania**; **Mikli, Valdek**; **Karppinen, Maarit**; **Hussainova, Irina** Carbon 2020 / p. 634-645 <https://doi.org/10.1016/j.carbon.2020.06.038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructural aspects of ceramic-metal composites performance in erosive media

Hussainova, Irina; **Antonov, Maksim**; **Volobujeva, Olga** Advances in science and technology 2006 / 11th International Ceramic Congress, p. 132-141 : ill

Microstructural design of ceramic-metal composites for tribological applications

Hussainova, Irina Abstract book of the 5th Asian-Australian Conference on Composite Materials : ACCM-5 : 27-30 November, 2006, Hong-Kong 2006 / p. 16-17

Microstructure and erosive wear in ceramic-based composites

Hussainova, Irina Wear 2005 / p. 357-365 : ill

Microstructure and thermal properties of quasi-equal rare earth substitution Y_{0.5}Gd_{0.5}Ba₂Cu₃O_{6.94} superconductor

Terzieva, Stanimira; Stoyanova-Ivanova, Angelina; Shivachev, Boris; Terzijska, Bonka; Zaleski, Andrzej; Misiorek, Halina; **Mikli, Valdek** Central European journal of physics 2009 / 1, p. 84-88 <https://www.degruyter.com/document/doi/10.2478/s11534-008-0133-y/html>

Milline pann osta? Kas odav pann teeb töö ära sama hästi kui kallis?

Arndt-Kalju, Margit; Kirikal, Siiri; Skuin, Mari; Tarkmeel, Krõõt delfi.ee 2023 [Milline pann osta? Kas odav pann teeb töö ära sama hästi kui kallis?](#)

Novel pathway for the combustion synthesis and consolidation of boron carbide

Zakaryan, Marieta; Zurnachyan, Alina; Amirkhanyan, Narine; Kirakosyan, Hasmik; **Antonov, Maksim**; Rodriguez, Miguel Angel; **Aydinyan, Sofiya** Materials 2022 / art. 5042 <https://doi.org/10.3390/ma15145042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Phase formation and microstructure in RE_{1-x}CaxBa₂Cu₃O_z (RE=Y, Eu, Er; x=0, 0.2, 0.3) superconducting ceramics

Stoyanova-Ivanova, Angelina; Terzieva, Stanimira; Staneva, Anna; **Mikli, Valdek**; **Traksmas, Rainer**; Dimitriev, Y.B.; Kovachev, V.T. Central European journal of chemistry 2006 / 1, p. 167-173 : ill https://www.researchgate.net/publication/244030385_Phase_formation_and_microstructure_in_Re1-x_CaxBa2Cu3Oz_ReY_Eu_Er_x0_02_03_superconducting_ceramics/fulltext/563dacdc08aec6f17dd80ea6/Phase-formation-and-microstructure-in-Re1-x-CaxBa2Cu3Oz-ReY-Eu-Er-x0-02-03-superconducting-ceramics.pdf

Preface

Herrmann, Heiko; Schnell, Jürgen Short fibre reinforced cementitious composites and ceramics 2019 / p. v-vi

<https://doi.org/10.1007/978-3-030-00868-0> [Article collection metrics at Scopus](#) [Article at Scopus](#)

A review on development of bio-inspired implants using 3D printing

Raheem, Ansheed A.; Hameed, Pearl; **Prashanth, Konda Gokuldoss**; Manivasagam, Geetha Biomimetics 2021 / art. 65 <https://doi.org/10.3390/biomimetics6040065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Role of A-site (Sr), B-site (Y), and A, B sites (Sr, Y) substitution in lead-free BaTiO₃ ceramic compounds : structural, optical, microstructure, mechanical, and thermal conductivity properties

Tihtih, Mohammed; Ibrahim, Jamal Eldin F. M.; Basyooni, Mohamed A.; Kurovics, Emese; Belaid, Walid; **Hussainova, Irina**; **Kocserha, Istvan** Ceramics international 2023 / p. 1947-1959 <https://doi.org/10.1016/j.ceramint.2022.09.160>

Short fibre reinforced cementitious composites and ceramics

2019 <https://doi.org/10.1007/978-3-030-00868-0>

Solid particle erosion behavior of ceramics at high and room temperature

Jevgrafova, Natalja; **Pappel, Toivo** Materials Engineering & Balttrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jūrmala, Latvia 2001 / p. 111-114 : ill

Solid particle erosion of refractories : A critical discussion of two test standards

Varga, Markus; **Antonov, Maksim**; Tumma, Mike Wear 2019 / p. 552–561 : ill <https://doi.org/10.1016/j.wear.2018.12.062> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Strong and chemically inert sinter crystallised glass ceramics based on Estonian oil shale ash

Maragoni, Mauro; Ponsot, I.; **Kuusik, Rein, keemik**; Bernardo, E. Advances in applied ceramics 2014 / p. 120-128 : ill

Study of thermooxidation of oil shale samples and basics of processes for utilization of oil shale ashes

Kaljuvee, Tiit; **Uibu, Mai**; **Yörük, Can Rüstü**; **Einard, Marve**; **Triikkel, Andres**; **Kuusik, Rein, keemik**; Trass, Olev; Štubna, Igor; Hulan, Tomaš; Loide, Valli; Jefimova, Jekaterina Minerals 2021 / at. 193 <https://doi.org/10.3390/min11020193> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synthesis and superconducting properties of Nd_{0.33}Eu_{0.08}Gd_{0.58}Ba₂Cu₃O_z materials

Stoyanova-Ivanova, Angelina; Terzieva, Stanimira; Shivachev, Boris; **Mikli, Valdek**; Vladimirova, Latinka Central European journal of physics 2008 / 1, p. 76-79 : ill <https://www.degruyter.com/document/doi/10.2478/s11534-007-0044-3/html>

The Formation of microcracks in water-saturated porous ceramics during freeze–thaw cycles followed by acoustic emission

Hulan, Tomaš; Knapek, Michal; **Kaljuvee, Tiit**; **Uibu, Mai** Journal of nondestructive evaluation 2021 / art. 13 <https://doi.org/10.1007/s10921-020-00748-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermal behavior of ceramic bodies based on Estonian clay from the Arumetsa deposit with oil shale ash and clinker dust additives

Kaljuvee, Tiit; Uibu, Mai; Einard, Marve; Traksmaa, Rainer; Viljus, Mart; Jefimova, Jekaterina; **Triikkel, Andres** Processes 2022 / art. 46 <https://doi.org/10.3390/pr10010046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermal behaviour of ceramic bodies based on Estonian clay from Arumetsa deposit with oil shale ash or/and clinker dust additives

Kaljuvee, Tiit; Štubna, Igor; Hulan, Tomaš; **Uibu, Mai; Einard, Marve; Traksmaa, Rainer; Viljus, Mart;** Jefimova, Jekaterina; **Triikkel, Andres** ICTAC 2020 : 17th International Congress on Thermal Analysis and Calorimetry : 8th Joint Czech-Hungarian-Polish-Slovakian Thermoanalytical Conference (V4 8) : 14th Conference on Calorimetry and Thermal Analysis of the Polish Society of Calorimetry and Thermal Analysis (CCTA 14), online conference, [Kraków], 29 August - 2 September 2021 : e-book of abstracts, 2021 2021 / p. 68 https://cris.vub.be/ws/portalfiles/portal/74787050/_e_Book_of_Abstracts_ICTAC2020.pdf

Ti-B based composites by spark plasma sintering and selective laser melting = Sädepaagutus- ja selektiivse lasersulatus-tehnoloogia abil valmistatud Ti-B baasil komposiitmaterjalid

Liu, Le 2021 https://www.ester.ee/record=b5460101*est <https://digikogu.taltech.ee/et/Item/2a4de866-52a3-4bef-8c4e-e136c89285a3> <https://doi.org/10.23658/taltech.47/2021>

Toward high temperature tough ceramics

Hussainova, Irina; Yung, Der-Liang; **Voltšihhin, Nikolai; Traksmaa, Rainer;** Hannula, Simo-Pekka ECCM15 - 15th European Conference on Composite Materials : Venice, Italy, 24-28 June 2012 2012 / [8] p <http://www.escm.eu.org/eccm15/data/assets/178.pdf>

Vickers hardness of ceramics fired at different temperatures

Šin, P.; **Veinthal, Renno; Sergejev, Fjodor; Antonov, Maksim;** Stubna, I. Young Researchers 2011, PhD Students, Young Scientists and Pedagogues Conference proceedings : Nitra, Slovakia, 21-22 September 2011 2011 / p. 565-570 https://www.researchgate.net/publication/265794312_Vickers_hardness_of_ceramics_fired_at_different_temperatures

Young's modulus of illitic clay in the temperature region of quartz transition

Hulan, Tomaš; Štubna, Igor; **Kaljuvee, Tiit;** Knappek, Michal Journal of thermal analysis and calorimetry 2022 / p. 7701-7707 <https://doi.org/10.1007/s10973-021-11083-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Высокотемпературная электропроводность ZnS:Cu:Cl-керамики в области фазовых переходов

Lott, Kalju Оптический журнал 1999 / 7, с. 70-74: ил

Разработка усовершенствованных методов и аппаратного обеспечения прогнозирования эксплуатационной морозостойкости грубокерамических изделий : автореферат ... кандидата технических наук (05.23.05)

Kičaite, Asta 1991 http://www.ester.ee/record=b1234753*est

Разработка усовершенствованных методов и аппаратного обеспечения прогнозирования эксплуатационной морозостойкости грубокерамических изделий : диссертация ... кандидата технических наук : 05.23.05 - строительные материалы и изделия

Kičaite, Asta 1991 http://www.ester.ee/record=b2489130*est

Термостимулированная деполяризация содалитовой керамики

Mere, Arvo; Reiter, Eerik; Ruus, Tõnu Tallinna Tehnikaülikooli Toimetised 1990 / lk. 40-52: ill