

Annealing effect for SnS thin films prepared by high-vacuum evaporation

Revathi, Naidu; Bereznev, Sergei; Loorits, Mihkel; Raudoja, Jaan; Lehner, Julia; Gurevitš, Jelena; Traksmaa, Rainer; Mikli, Valdek; Mellikov, Enn; Volobujeva, Olga Journal of vacuum science & technology A 2014 / p. 061506-1 - 061506-6 : ill

Areng kasvatab ootusi : [arvamusi TTÜ raamatukogu kohta]

Kübarsepp, Jakob; Kallavus, Urve; Kalev, Kaia Mente et Manu 2014 / lk. 10 https://www.ester.ee/record=b1242496*est

Biodeterioration, salt distribution and damage to plaster and render/extent and reasons for salt, mould and rot damage

Kallavus, Urve The Final Research Report of the project "Sustainable Management of Historic Rural Churches in the Baltic Sea Region (SMC)" 2013 / p. 57-66 : ill

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

Bogdanoviciene, Irma; Ezerskyte-Miseviciene, Akvile; Traksmaa, 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

Changes in surface morphology, deflection and wear of microcrystalline diamond film observed during sliding tests against Si₃N₄ balls

Bogatov, Andrei; Traksmaa, Rainer; Podgurski, Vitali 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. 145-151 : ill <http://dx.doi.org/10.4028/www.scientific.net/KEM.674.145>

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

Characterization of TiC-FeCrMn cermets produced by powder metallurgy method

Kolnes, Märt; Kübarsepp, Jakob; Kollo, Lauri; Viljus, Mart Medžiagotyra = Materials science 2015 / p. 353-357 : ill <http://dx.doi.org/10.5755/j01.ms.21.3.7364>

Comparison of damages in tungsten and tungsten doped with lanthanum-oxide exposed to dense deuterium plasma shots

Shirokova, Veronika; Laas, Tõnu; Mikli, Valdek Journal of nuclear materials 2013 / p. 181-188 : ill

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

Leinemann, Inga; Zhang, Weihao; Kaljuvee, Tiit; Tõnsuaadu, Kaia; Traksmaa, Rainer; Raudoja, Jaan; Grossberg, Maarja; Altosaar, Mare; Meissner, Dieter Journal of thermal analysis and calorimetry 2014 / p. 1313-1321 : ill

CuInS₂ solar cell absorber plasmonically modified by gold nanoparticles

Repän, Taavi; Dolgov, Leonid; Katerski, Atanas; Oja Acik, Ilona; Kärber, Erki; Mere, Arvo; Mikli, Valdek; Krunks, Malle; Sildos, Ilmo Applied physics. A, Materials science & processing 2014 / p. 455-458 : ill

Densification and microstructure development in zirconia toughened hardmetals

Voltšihhin, Nikolai; Hussainova, Irina; Cura, M. Erkin; Hannula, Simo-Pekka; Traksmaa, Rainer Engineering materials and tribology 2013 / p. 50-55 : ill

Deposition of p-type NiO films by chemical spray pyrolysis

Krunks, Malle; Soon, Jaanika; Unt, Tarmo; Mere, Arvo; Mikli, Valdek Vacuum 2014 / p. 242-246 : ill

Developments in cermet design, technology and performance

Kübarsepp, Jakob; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart International journal of materials & product technology 2014 / p. 160-179

Diagnosis of moisture movements in massive dolostone walls of medieval churches

Kurik, Lembit; Kalamees, Targo; Kallavus, Urve Recent developments in building diagnosis techniques 2016 / p. 69-90 : ill http://dx.doi.org/10.1007/978-981-10-0466-7_5

Eesti eluasemefondi ehitustehniline seisukord - ajavahemikul 1990-2010 kasutusele võetud korterelamud : uuringu lõpparuanne

Kalamees, Targo; Ilomets, Simo; Liias, Roode; Raado, Lembi-Merike; Kuusk, Kalle; Maivel, Mikk; Ründva, Marko; Klõšeiko, Paul; Liho, Eva; Paap, Leena; Mikola, Alo; Seinre, Erkki; Lill, Irene; Soekov, Erki; Paadam, Katrin; Ojamäe, Liis; Kallavus, Urve; Mikli, Lauri; Kõiv, Teet-Andrus 2012 http://www.ester.ee/record=b2878060*est

Eesti eluasemefondi puitkorterelamute ehitustehniline seisukord ning prognoositav eluiga : uuringu lõpparuanne

Kalamees, Targo; Arumägi, Endrik; Just, Alar; Kallavus, Urve; Mikli, Lauri; Thalfeldt, Marko; Klõšeiko, Paul; Agasild, Tõnis;

Liho, Eva; Haug, Priit; Tuurmann, Kristo; Liias, Roode; Õiger, Karl; Langeproon, Priit; Orro, Oliver; Välja, Leele; Suits, Maris; Kodi, Georg-Mihkel; Ilomets, Simo; Alev, Üllar; Kurik, Lembit 2011 http://www.ester.ee/record=b2720728*est

Eesti eluasemefondi suurpaneel-korterelamute ehitustehniline seisukord ning prognoositav eluiga : uuringu lõppraport
Kalamees, Targo; Õiger, Karl; Kõiv, Teet-Andrus; Liias, Roode; Kallavus, Urve; Mikli, Lauri; Lehtla, Andres; Kodi, Georg-Mihkel; Luman, Andre; Arumägi, Endrik; Mironova, Jelena 2009 http://www.ester.ee/record=b2542472*est

Eesti eluasemefondi telliskorterelamute ehitustehniline seisukord ning prognoositav eluiga : uuringu lõpparuanne
Kalamees, Targo; Kõiv, Teet-Andrus; Liias, Roode; Õiger, Karl; Kallavus, Urve; Mikli, Lauri; Ilomets, Simo; Kuusk, Kalle; Maivel, Mikk; Mikola, Alo; Klõšeiko, Paul; Agasild, Tõnis; Arumägi, Endrik; Liho, Eva; Ojang, Tanel; Tuisk, Tanel; Raado, Lembi-Merike; Jõesaar, Tõnu 2010 http://www.ester.ee/record=b2665958*est

Eesti Rahvusraamatukogu fondides olevate naha ja paberimaterjalide mikrostruktuuri uurimine : lühiaruanne : G1466
Kallavus, Urve 1994

Effect of carbide phase and binder chemical composition on surface fatigue of carbide composites [Electronic resource]
Petrov, Mihhail; Kübarsepp, Jakob; Sergejev, Fjodor; Viljus, Mart Euro PM2015 Congress & Exhibition : proceedings : 4-7 October 2015, Reims Congress Centre, Reims, France 2015 / [6] p. : ill. [USB]

Effect of nanocrystalline diamond films deflection on wear observed in reciprocating sliding tests
Podgurski, Vitali; Bogatov, Andrei; Sobolev, S.; Viljus, Mart; Sedov, V.; Ashkinazi, E.; Ralchenko, V. Journal of coating science and technology 2016 / p. 109-115 : ill <http://dx.doi.org/10.6000/2369-3355.2016.03.03.2>

Effect of sintering conditions on microstructure and performance of TiC-FeCrMn cermets [Electronic resource]
Kolnes, Märt; Kübarsepp, Jakob; Viljus, Mart; Traksmäa, Rainer; Illopmägi, Siim World PM2016 proceedings 2016 / [7] p. : ill. [USB]

Effect of solution spray rate on the properties of chemically sprayed ZnO:In thin films
Kriisa, Merike; Krunks, Malle; Kärber, Erki; Kukk, Mart; Mikli, Valdek; Mere, Arvo Journal of nanomaterials 2013 / p. 1-9 : ill

Effect of Zn:S molar ratio in solution on the properties of ZnS thin films and the formation of ZnS nanorods by spray pyrolysis
Dedova, Tatjana; Krunks, Malle; Gromõko, Inga; Mikli, Valdek; Sildos, Ilmo; Utt, Kathriin; Unt, Tarmo Physica status solidi (a) : applications and materials science 2014 / p. 514-521 : ill

Effect of titanium(IV)isopropoxide and acetylacetone molar ratio in the solution on spray deposited TiO2 films
Oja Acik, Ilona; Krunks, Malle; Mere, Arvo; Otto, Kairi; Mikli, Valdek TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" 2013 / [1] p

Electron microscopy and image analysis study of powdered hardmetal materials and optoelectronic thin films
Mikli, Valdek 2003 https://www.ester.ee/record=b1782316*est

Enhancing the surface charge of BCTMP of aspen with supercritical CO2 treatment
Kärner, Kärt; Talviste, Rasmus; Viipsi, Karin; Kallavus, Urve Baltic Polymer Symposium 2013 : Trakai, Lithuania, September 18-21, 2013 : programme [and abstracts] 2013 / p. 87 : ill

Enhancing the surface charge of BCTMP of aspen with supercritical CO2 treatment
Kärner, Kärt; Talviste, Rasmus; Viipsi, Karin; Kallavus, Urve TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" 2013 / [1] p. : ill

Erosion wear of reactive sintered WC-TiC-Co cermets
Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri; Viljus, Mart Engineering materials & tribology XXII 2014 / p. 63-66

Extent and reasons for biodeterioration, salt distribution and damage of plaster in Estonian medieval churches
Kallavus, Urve; Kalamees, Targo; Kurik, Lembit; Traksmäa, Rainer ISBP 2015 : 1st International Symposium on Building Pathology : conference proceedings : March 24-27, 2015, Porto, Portugal 2015 / p. 709-716 : ill

Fibrillation of aspen by alkaline cold pre-treatment and vibration milling
Kärner, Kärt; Elomaa, Matti Antero; Kallavus, Urve Materials science = Medžiagotyra 2016 / p. 358-363 : ill
<http://dx.doi.org/10.5755/j01.ms.22.3.7412>

Formation of Ca-Zn-Na phosphate bioceramic material in thermal processing of EDTA sol-gel precursor
Bogdanoviciene, Irma; Cepenka, Marina; Traksmäa, Rainer; Kareiva, Aivaras; Tõnsuaadu, Kaia Journal of Thermal Analysis and Calorimetry 2015 / p. 107-114 : ill <http://dx.doi.org/10.1007/s10973-015-4507-2>

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

Bogdanoviciene, Irma; Cepenko, Marina; **Traksmaa, 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

Growth and properties of ZnO films on polymeric substrate by spray pyrolysis method

Kriisa, Merike; Kärber, Erki; **Krunks, Malle**; Mikli, Valdek; Unt, Tarmo; **Kukk, Mart**; **Mere, Arvo** Thin solid films 2014 / p. 87-92 : ill

Growth dynamics of nanocrystalline diamond films produced by microwave plasma enhanced chemical vapor deposition in methane/hydrogen/air mixture : scaling analysis of surface morphology

Podgurski, Vitali; **Bogatov, Andrei**; Sedov, V.; Sildos, Ilmo; **Mere, Arvo**; **Viljus, Mart**; Buijnsters, J. G.; Ralchenko, V. Diamond and related materials 2015 / p. 172-179 : ill <http://dx.doi.org/10.1016/j.diamond.2015.07.002>

Growth of zinc oxide nanostructured layers on SnO₂ electrodes by spray pyrolysis

Dedova, Tatjana; **Volobujeva, Olga**; **Gromõko, Inga**; Mikli, Valdek; **Mere, Arvo**; **Krunks, Malle** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" 2013 / [1] p

Growth of ZnO rods on FTO electrodes by spray pyrolysis

Dedova, Tatjana; **Volobujeva, Olga**; **Krunks, Malle**; Mikli, Valdek; **Gromõko, Inga**; **Katerski, Atanas**; **Mere, Arvo** IOP conference series : materials science and engineering 2013 / [4] p. : ill

Halogeensodaliitide uurimine elektrosondi meetoditega : magistritöö väitekirj

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

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

High temperature electrical conductivity in undoped ceramic ZnO

Lott, Kalju; **Nirk, Tiit**; Gorokhova, Elena; **Türn, Leo**; **Viljus, Mart**; **Õpik, Andres**; Vishnjakov, A. Crystal research and technology 2015 / p. 10-14 : ill <http://dx.doi.org/10.1002/crat.201400138>

High temperature erosion wear of cermet particles reinforced self-fluxing alloy HVOF sprayed coatings

Surženkov, Andrei; **Goljandin, Dmitri**; **Traksmaa, Rainer**; **Viljus, Mart**; **Talviste, Kristofer**; **Aruniit, Aare**; Latokartano, Jyrki; **Kulu, Priit** Medžiagotyra = Materials science 2015 / p. 386-390 : ill <http://dx.doi.org/10.5755/j01.ms.21.3.7617>

High-energy ball milling of Nd-Fe-B powders

Mural, Zorjana; **Kollo, Lauri**; **Kallip, Kaspar**; **Traksmaa, Rainer**; **Veinthal, Renno** Proceedings of the Applied Magnetic Materials 2013 Conference 2013 / p. 12-16 : ill

High-temperature erosion of Fe-based coatings reinforced with cermet particles

Surženkov, Andrei; **Antonov, Maksim**; **Goljandin, Dmitri**; **Kulu, Priit**; **Viljus, Mart**; **Traksmaa, Rainer**; **Mere, Arvo** Surface engineering 2016 / p. 624-630 : ill <http://dx.doi.org/10.1080/02670844.2016.1145377>

Hygrothermal performance of a massive stone wall with interior insulation : an in-situ study for developing a retrofit measure

Klõšeiko, Paul; **Kalamees, Targo**; **Arumägi, Endrik**; **Kallavus, Urve** Energy procedia 2015 / p. 195-200 : ill

Impact and sliding wear properties of single layer, multilayer and nanocomposite physical vapour deposited (PVD) coatings on the plasma nitrided low-alloy 42CrMo4 steel

Surženkov, Andrei; **Adoberg, Eron**; **Põdra, Priit**; **Sergejev, Fjodor**; **Mere, Arvo**; **Viljus, Mart**; Mikli, Valdek; **Antonov, Maksim**; **Kulu, Priit** Engineering materials and tribology 2013 / p. 223-228 : ill

Indoor climate conditions and hygrothermal loads in historic wooden apartment buildings in cold climates

Arumägi, Endrik; **Kalamees, Targo**; **Kallavus, Urve** Proceedings of the Estonian Academy of Sciences 2015 / p. 146-156 : ill https://artiklid.elnet.ee/record=b2727447*est

Influence of laser hardening to the sliding wear resistance of the PVD (Al,Ti)N-G and nACo® coatings

Surženkov, Andrei; **Adoberg, Eron**; **Antonov, Maksim**; **Sergejev, Fjodor**; Mikli, Valdek; **Viljus, Mart**; Latokartano, Jyrki; **Kulu, Priit** Engineering materials & tribology XXII 2014 / p. 28-31

Influence of pressurized sintering on the performance of TiC-based cermets

Kübarsepp, Jakob; **Klaasen, Heinrich**; **Tsinjan, Aleksei**; **Juhani, Kristjan**; **Kollo, Lauri**; **Viljus, Mart** Engineering materials and tribology 2013 / p. 56-61

Influence of some lime-containing additives on the thermal behavior of urea

Klimova, Irina; Kaljuvee, Tiit; Mikli, Valdek; Triikkel, Andres Journal of thermal analysis and calorimetry 2013 / p. 253-258 : ill

Lignin and outer cell wall removal from aspen pulp fibres by using supercritical CO₂ extraction

Kärner, Kärt; Elomaa, Matti Antero; Kallavus, Urve Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 372-377 : ill

Maaelamute sisekliima, ehitusfüüsika ja energiasääst I : uuringu I etapi lõpparuanne

Kalamees, Targo; Alev, Üllar; Arumägi, Endrik; Ilomets, Simo; Just, Alar; Kallavus, Urve 2011

http://www.ester.ee/record=b2665966*est

Magnetic and transport characteristics of oxygenated polycrystalline La_{0.6}Pb_{0.4}MnO₃

Blagoev, Blagoy; Terzieva, Stanimira; Mikli, Valdek Journal of magnetism and magnetic materials 2013 / p. 34-38 : ill

Mehaanikas perspektiivsete kilede omaduste uurimine : aruanne : G443 : teadussuuna klass 2.2, 2.10

Mikli, Valdek 1994 https://www.ester.ee/record=b2084804*est

Method for data collection and integration into 3D architectural model

Kurik, Lembit; Sinivee, Veljo; Lints, Martin; Kallavus, Urve Innovations and advances in computer, information, systems sciences, and engineering 2013 / p. 707-717 : ill

Microstructure evolution of WC-TiC-Co cemented carbides during reactive sintering [Electronic resource]

Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; Traksmäa, Rainer; Letunovits, Sergei Proceedings of the 18th Plansee Seminar : International Conference on Refractory Metals and Hard Materials : Reutte/Austria, 3-7 June, 2013 2013 / p. HM 70/1-HM 70/7 [CD-ROM]

Mikroskoopia kujutiste ja röntgenspektrogrammide töötlemine ja rakendamine materjalide uurimisel : aruanne : G444 : teadussuuna klass 1.2, 2.2

Viljus, Mart 1994 https://www.ester.ee/record=b2084735*est

Modification of light absorption in thin CuInS₂ films by sprayed Au nanoparticles

Katerski, Atanas; Kärber, Erki; Oja Acik, Ilona; Dolgov, Leonid; Mere, Arvo; Sildos, Ilmo; Mikli, Valdek; Krunks, Malle Nanoscale research letters 2014 / p. 1-6 : ill

Märgunud puitplaadid - kiirelt tekkiv hallitus

Järv, Hele; Kallavus, Urve Ehitaja 2013 / lk. 48-50 : ill

Nanocrystalline diamond films deformation observed during sliding tests against Si₃N₄ balls as a possible cause for ripple formation on wear scars surface

Bogatov, Andrei; Viljus, Mart; Raadik, Taavi; Hantschel, Thomas; Podgurski, Vitali Medžiagotyra = Materials science 2015 / p. 349-352 : ill <http://dx.doi.org/10.5755/j01.ms.21.3.7232>

Nanostructured layers of ZnS obtained by spray pyrolysis

Dedova, Tatjana; Gromōko, Inga; Mikli, Valdek; Volobujeva, Olga; Utt, Kathrin; Sildos, Ilmo; Mere, Arvo; Krunks, Malle E-MRS 2013 Spring Meeting. Symposium P, Functional nanowires : synthesis, characterization and applications : poster session II 2013 / p. 15

NiO thin films deposited by chemical spray pyrolysis

Soon, Jaanika; Krunks, Malle; Mikli, Valdek; Unt, Tarmo; Mere, Arvo NANOSMAT Conference, 22-25 September 2013, Granada, Spain : abstracts book 2013

One-source PVD of n-CuIn₅Se₈ photoabsorber films for hybrid solar cells

Bereznev, Sergei; Adhikari, Nirmal; Kois, Julia; Raadik, Taavi; Traksmäa, Rainer; Volobujeva, Olga; Kouhiisfahani, Elham; Öpik, Andres Solar energy 2013 / p. 202-208 : ill

Optimization of hardmetal reinforcement content in Fe-based hardfacings for abrasive-impact wear conditions

Surženkov, Andrei; Tarbe, Riho; Tarraste, Marek; Simson, Taavi; Viljus, Mart; Kulu, Priit European Conference on Heat Treatment 2016 and 3rd International Conference on Heat Treatment and Surface Engineering in Automotive Applications : 11-13 May 2016, Prague, Czech Republic, Břevnov Monastery 2016 / [10] p. : ill

Optimization of reinforcement content of powder metallurgy hardfacings in abrasive wear conditions

Simson, Taavi; Kulu, Priit; Surženkov, Andrei; Tarbe, Riho; Viljus, Mart; Tarraste, Marek; Goljandin, Dmitri Proceedings of the Estonian Academy of Sciences 2016 / p. 90-96 : ill

Photo-assisted electrodeposition of polypyrrole back contact to CdS/CdTe solar cell structures

Jarkov, Aleksandr; Bereznev, Sergei; Volobujeva, Olga; Traksmaa, Rainer; Tverjanovich, Andrey; Öpik, Andres; Mellikov, Enn Thin solid films 2013 / p. 198-201 : ill

Plasmonic modification of CdTe thin films by gold nanoparticles : methods, difficulties and solutions

Maticiu, Natalia; Spalatu, Nicolae; Katerski, Atanas; Hiie, Jaan; Mikli, Valdek; Krunks, Malle; Dolgov, Leonid; Sildos, Ilmo Microelectronic engineering 2014 / p. 173-178 : ill

Processing and mechanical properties of ZrC-ZrO₂ composites

Voltšihhin, Nikolai; Hussainova, Irina; Kübarsepp, Jakob; Traksmaa, Rainer Engineering materials & tribology XXII 2014 / p. 258-261

Processing and properties of bulk ultrafine-grained pure niobium

Kommel, Lembit; Kimmari, Eduard; Saarna, Mart; Viljus, Mart Journal of materials science 2013 / p. 4723-4729 : ill

Processing of ZrC-TiC composites by SPS

Yung, Der-Liang; Hussainova, Irina; Rodriguez, Miguel Angel; Traksmaa, Rainer 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. 94-99 : ill <http://dx.doi.org/10.4028/www.scientific.net/KEM.674.94>

Properties of NiO thin films prepared by chemical spray pyrolysis

Soon, Jaanika; Krunks, Malle; Mikli, Valdek Proceedings of CYSENI 2013 : the 10th Annual Conference of Young Scientists on Energy Issues, May 29-31, 2013, Kaunas, Lithuania 2013 / p. 510-518

Properties of the CdCl₂:O₂ treated CSS CdTe thin films

Spalatu, Nicolae; Caraman, Mihail; Maticiu, Natalia; Hiie, Jaan; Valdna, Vello; Mikli, Valdek; Lugh, Vanni E-MRS 2013 Spring Meeting. Symposium D, Advanced inorganic materials and structures for photovoltaics : poster session II 2013 / p. 19

Purity test of precipitated apatites by TG/DTA/EGA-MS

Tõnsuaadu, Kaia; Bogdanoviciene, Irma; Traksmaa, Rainer Book of abstracts : 2nd Central and Eastern European Conference on Thermal Analysis and Calorimetry, 27-30 August 2013, Vilnius, Lithuania 2013 / p. 232

Purity test of precipitated apatites by TG/DTA/EGA-MS

Tõnsuaadu, Kaia; Bogdanoviciene, Irma; Traksmaa, Rainer Journal of thermal analysis and calorimetry 2016 / p. 919-925 : ill <http://dx.doi.org/10.1007/s10973-016-5447-1>

Rapid quantitative determination of lignin in lignocellulosic products

Kärner, Kärt; Kärner, Kristi; Kallavus, Urve; Elomaa, Matti Antero Baltic Polymer Symposium 2014 : programme and abstracts : Laulasmaa, Estonia, September 24-26, 2014 2014 / p. 56

Rapid semi-quantitative determination of aspen lignin in lignocellulosic products

Kallavus, Urve; Kärner, Kristi; Kärner, Kärt; Elomaa, Matti Antero Proceedings of the Estonian Academy of Sciences 2015 / p. 105-112 : ill <http://dx.doi.org/10.3176/proc.2015.1S.06> https://artiklid.elnet.ee/record=b2716368*est

Reaction enthalpies of Cu₂ZnSnSe₄ synthesis in KI

Leinemann, Inga; Timmo, Kristi; Grossberg, Maarja; Kaljuvee, Tiit; Tõnsuaadu, Kaia; Traksmaa, Rainer; Altosaar, Mare; Meissner, Dieter Journal of thermal analysis and calorimetry 2015 / p. 1555-1564 : ill <http://dx.doi.org/10.1007/s10973-014-4339-5>

Reactive sintering of bimodal WC-Co hardmetals

Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri; Viljus, Mart Medžiagotyra = Materials science 2015 / p. 382-385 : ill <http://dx.doi.org/10.5755/j01.ms.21.3.7511>

Reactive sintering of WC-Cr-Co hardmetals [Electronic resource]

Juhani, Kristjan; Pirso, Jüri; Tarraste, Marek; Viljus, Mart; Letunovitš, Sergei Proceedings of the 18th Plansee Seminar : International Conference on Refractory Metals and Hard Materials : Reutte/Austria, 3-7 June, 2013 2013 / [CD-ROM]

Relaxation of residual stresses in brush-plated gold and silver coatings on copper and on brass substrates

Lille, Harri; Kõo, Jakob; Ryabchikov, Alexander; Reitsnik, Renno; Sergejev, Fjodor; Dong, Minjie Residual stresses IX 2014 / p. 866-871 : ill

Rippling on wear scar surfaces of nanocrystalline diamond films after reciprocating sliding against ceramic balls

Podgurski, Vitali; Hantschel, Thomas; Bogatov, Andrei; Kimmari, Eduard; Antonov, Maksim; Viljus, Mart; Mikli, Valdek; Raadik, Taavi; Kulu, Priit Tribology letters 2014 / p. 493-501 : ill

Simulated influence of indoor climate and ventilation on schoolwork performance in Estonian manor schools

Kalamees, Targo; Väli, Alan; Kallavus, Urve; Kurik, Lembit; Alev, Üllar International journal of ventilation 2015 / p. 153-164 : ill
<http://dx.doi.org/10.1080/14733315.2015.11684077>

Sliding wear of TiC-NiMo and Cr₃C₂-Ni cermet particles reinforced FeCrSiB matrix HVOF sprayed coatings
Surženkov, Andrei; Antonov, Maksim; Goljandin, Dmitri; Vilgo, Timo; Mikli, Valdek; Viljus, Mart; Latokartano, Jyrki; Kulu, Priit
Estonian journal of engineering 2013 / p. 203-211 : ill

Sol-Gel approach to the calcium phosphate nanocomposites

Beganskiene, Aldona; Stankeviciute, Zivile; Malakauskaite, Milda; **Bogdanoviciene, Irma; Mikli, Valdek; Tõnsuaadu, Kaia;**
Kareiva, Aivaras Nanostructured materials and nanotechnology VII : a collection of papers presented at the 37th International
Conference on Advanced Ceramics and Composites, January 27-February 1, 2013, Daytona Beach, Florida 2014 / p. 3-14 : ill

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

Bogdanoviciene, Irma; Cepenکو, 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

Steels, hardmetals and hardfacings for abrasive wear applications

Kulu, Priit; Tarbe, Riho; Saarna, Mart; Surženkov, Andrei; Peetsalu, Priidu; Viljus, Mart European Conference on Heat
Treatment and 21st IFHTSE Congress : May, 12th-15th, 2014, Munich, Germany : proceedings 2014 / p. 449-456 : ill

Structural and optical properties of cadmium sulfide thin films modified by hydrogen annealing

Maticiu, Natalia; Hiie, Jaan; Mikli, Valdek; Potlog, Tamara; Valdna, Vello Materials science in semiconductor processing 2014 /
p. 169-174 : ill

Structure formation and characteristics of chromium carbide-iron-titanium cermets

Kolnes, Märt; Pirsio, Jüri; Kübarsepp, Jakob; Viljus, Mart; Traksmaa, Rainer Proceedings of the Estonian Academy of Sciences
2016 / p. 138-143 : ill <http://dx.doi.org/10.3176/proc.2016.2.09>

Study of surface defects in 4H-SiC Schottky diodes using a scanning Kelvin probe

Mizsei, Janos; **Korolkov, Oleg; Toompuu, Jana; Mikli, Valdek; Rang, Toomas** Silicon Carbide and Related Materials 2012 :
selected peer reviewed papers from the 9th European Conference on Silicon Carbide and Related Materials (ECSCRM 2012),
September 2-6, 2012, St. Petersburg, Russian Federation 2013 / p. 677-680 : ill

**Study of the effect of mechanical treatment and supercritical CO₂ extraction on aspen BCTMP by surface charge
measurements and SEM**

Kärner, Kärt; Talviste, Rasmus; Viipsi, Karin; Elomaa, Matti Antero; Kallavus, Urve Cellulose chemistry and technology 2014 / p.
535-544 : ill

Surface plasmon resonance caused by gold nanoparticles formed on sprayed TiO₂ films

Oja Acik, Ilona; Dolgov, Leonid; Krunk, Malle; Mere, Arvo; Mikli, Valdek; Pikker, Siim; Loot, Ardi; Sildos, Ilmo Thin solid films
2014 / p. 144-147 : ill

**Synthesis and electrophysical properties of nanometric CdS layers deposited on SnO₂-coated glass substrates by
pulverization method**

Botnariuc, V.; Gorceac, L.; **Mikli, Valdek** Journal of nanoelectronics and optoelectronics 2013 / p. 744-749

Synthesis of bio-cation-substituted Ca-apatites by precipitation

Bogdanoviciene, Irma; Tõnsuaadu, Kaia; Traksmaa, Rainer; Kareiva, Aivaras Inorganic and environmental materials 2014 / p.
229-232 : ill

Synthesis of cationic substituted biomimic apatites by precipitation

Tõnsuaadu, Kaia; Bogdanoviciene, Irma; Traksmaa, Rainer; Kareiva, Aivaras International Symposium on Inorganic and
Environmental Materials 2013 : program and abstracts, October 27-31, 2013, Rennes, France 2013 / p. 206

Synthesis of Cu₂(ZnCd)SnS₄ absorber material for monograin membrane applications

Nkwusi, Godswill; Leinemann, Inga; Raudoja, Jaan; Mikli, Valdek; Kauk-Kuusik, Marit; Altosaar, Mare; Mellikov, Enn MRS
proceedings 2014

ZnO nanostructures by chemical spray for next generation solar cells

Krunk, Malle; Dedova, Tatjana; Oja Acik, Ilona; Kriisa, Merike; Mikli, Valdek; Katerski, Atanas; Kärber, Erki; Mere, Arvo
NEXTGEN NANO PV : book of abstracts 2013 / p. 31-32

ZnS thin films and nanostructured layers by chemical spray pyrolysis

Dedova, Tatjana; Krunks, Malle; Gromöko, Inga; Mikli, Valdek; Sildos, Ilmo; Utt, Kathriin; Unt, Tarmo XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013 / p. 13

TA-MS and FTIR study of Mg²⁺ and glycine modified Ca-hydroxyapatite

Bogdanoviciene, Irma; Tõnsuaadu, Kaia; Kaljuvee, Tiit; Traksmäa, Rainer; Kareiva, Aivaras 3rd Central and Eastern European Conference on Thermal Analysis and Calorimetry, 25-28 August 2015, Ljubljana, Slovenia : book of abstracts 2015 / p. 371

Template synthesis of titanium dioxide coatings and determination of their photocatalytic activity by aqueous oxidation of humic acid

Budarnaja, Olga; Klauson, Deniss; Dedova, Tatjana; Kärber, Erki; Viljus, Mart; Preis, Sergei Kinetics and catalysis 2014 / p. 688-694 : ill

The effect of the firing temperature on the hardness of alumina porcelain

Štubna, Igor; Šin, Peter; Viljus, Mart; Trnik, Anton Materials and technology = Materiali in tehnologije 2014 / p. 331-336 : ill

The effect of VC, TiC and Cr₃C₂ on the microstructure and properties of WC-15Co hardmetals fabricated by the reactive sintering

Pirso, Jüri; Juhani, Kristjan; Tarraste, Marek; Viljus, Mart; Letunovits, Sergei Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 383-388 : ill

The effect of VC, TiC and Cr₃C₂ on the microstructure and properties of WC-15Co hardmetals fabricated by the reactive sintering

Pirso, Jüri; Juhani, Kristjan; Tarraste, Marek; Viljus, Mart; Letunovits, Sergei Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 383-388 : ill

The formation of reactive sintered (Ti, Mo)C-Ni cermet from nanocrystalline powders

Jõelet, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart; Traksmäa, Rainer International journal of refractory metals and hard materials 2014 / p. 284-290 : ill

The influence of carbon and molybdenum in reactive sintered (Ti, Mo)C-NiCr cermets [Electronic resource]

Jõelet, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart Euro PM2015 Congress & Exhibition : proceedings : 4-7 October 2015, Reims Congress Centre, Reims, France 2015 / [USB]

The influence of high energy milling and sintering parameters on reactive sintered (Ti, Mo)C-Ni cermets

Jõelet, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart; Traksmäa, Rainer Journal of alloys and compounds 2015 / p. 381-386 : ill <http://dx.doi.org/10.1016/j.jallcom.2015.02.071>

The influence of indoor climate control on risk for damages in naturally ventilated historic churches in cold climate

Kalamees, Targo; Väli, Alan; Kurik, Lembit; Napp, Margus; Arumägi, Endrik; Kallavus, Urve International journal of architectural heritage : conservation, analysis, and restoration 2016 / p. 486-498 : ill <http://dx.doi.org/10.1080/15583058.2014.1003623>

The influence of sintering temperature of reactive sintered (Ti, Mo)C-Ni cermets

Jõelet, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart Medžiagotyra = Materials science 2015 / p. 435-438 : ill <http://dx.doi.org/10.5755/j01.ms.21.3.7179>

The influence of TiC powder to reactive sintered TiC-NiMo cermets microstructure and mechanical properties [Electronic resource]

Jõelet, Marek; Pirso, Jüri; Juhani, Kristjan; Viljus, Mart Proceedings of the 18th Plansee Seminar : International Conference on Refractory Metals and Hard Materials : Reutte/Austria, 3-7 June, 2013 2013 / p. HM 71/1-HM 71/7 [CD-ROM]

The microstructure and properties of fine-grained cermets

Viljus, Mart 2003

The study of firing the ceramic body made from illite and fluidized combustion fly ash

Hulan, Tomaš; Trnik, Anton; Kaljuvee, Tiit; Štubna, Igor; Kallavus, Urve; Traksmäa, Rainer 3rd Central and Eastern European Conference on Thermal Analysis and Calorimetry, 25-28 August 2015, Ljubljana, Slovenia : book of abstracts 2015 / p. 89

The use of microwave method for diagnosis of moisture content of massive dolostone walls of medieval churches

Kurik, Lembit; Kalamees, Targo; Kallavus, Urve ISBP 2015 : 1st International Symposium on Building Pathology : conference proceedings : March 24-27, 2015, Porto, Portugal 2015 / p. 189-196 : ill

Thermal behavior of some Estonian clays and their mixtures with oil shale ash additives

Kaljuvee, Tiit; Štubna, Igor; Somelar, Peeter; Mikli, Valdek; Kuusik, Rein; keemik Journal of thermal analysis and calorimetry 2014

Thermal behaviour of some Estonian clays and their mixtures with oil shale ash additives

Kaljuvee, Tiit; Štubna, Igor; Somelar, Peeter; Mikli, Valdek; Kuusik, Rein, keemik Book of abstracts : 2nd Central and Eastern European Conference on Thermal Analysis and Calorimetry, 27-30 August 2013, Vilnius, Lithuania 2013 / p. 231

Three-body abrasive wear of reactive sintered WC-Co hardmetals with grain growth inhibitors

Juhani, Kristjan; Pirso, Jüri; Tarraste, Marek; Viljus, Mart; Suurkivi, Taavi Engineering materials & tribology XXII 2014 / p. 277-282

Three-body abrasive wear of WC-Co composites manufactured by reactive sintering of nanocrystalline powders

[Electronic resource]

Juhani, Kristjan; Joost, Renee; Pirso, Jüri; Letunovitš, Sergei; Viljus, Mart; Tarraste, Marek 5th World Tribology Congress, WTC 2013 : [proceedings]. Vol. 3 2014 / p. 2084-2087. [CD-ROM]

Tribological behavior of carbon nanofibers deposited on hard nanocomposite (nc-Ti1-xAlxN)/(a-Si3N4) coating

Kimmari, Eduard; Podgurski, Vitali; Simunin, M.; Adoberg, Eron; Surženkov, Andrei; Viljus, Mart; Hartelt, M.; Wäsche, R.; Sildos, Ilmo; Kulu, Priit Surface & coatings technology 2013 / p. 21-25 : ill

Upgrading the crush strenght of ammonium nitrate prills by coating with limestone or dolomite powder

Klimova, Irina; Mikli, Valdek; Kaljuvee, Tiit 6th International Granulation Workshop : Granulation Conference, Sheffield, UK, 26th-28th June 2013 2013 / p. 102

Utilisation of industrial metal scrap by mechanical means

Kulu, Priit; Tümanok, Aleksei; Mikli, Valdek Proceedings of the Estonian Academy of Sciences. Engineering 1996 / p. 36-48 : ill

Wear resistance of HVOF sprayed coatings from mechanically activated thermally synthesized Cr₃C₂-Ni spray powder

Sarjas, Heikki; Kulu, Priit; Juhani, Kristjan; Viljus, Mart; Matikainen, Ville; Vuoristo, Petri Proceedings of the Estonian Academy of Sciences 2016 / p. 101-106 : ill

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

Paat, Aadu; Bender, Villem 1994