

Abrasive wear performance of carbide based composites

Kübarsepp, Jakob; Klaasen, Heinrich; Roosaar, Tõnu; Viljus, Mart; Traksmäa, Rainer Proceedings of European Powder Metallurgy Congress : EURO PM2007 : Toulouse (France), 15-17 October 2007. Vol. 1 2007 / p. 221-226

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

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

Adhesive wear performance of hardmetals and cermets

Klaasen, Heinrich; Kübarsepp, Jakob; Roosaar, Tõnu; Viljus, Mart; Traksmäa, Rainer Wear 2010 / 9/10, p. 1122-1128 : ill

AlCo-rich AlCoNiFe and AlCoNiFeCr high entropy alloys: Synthesis and interaction pathway at high heating rates

Nazaretyan, K.; Aydinian, Sofiya; Kirakosyan, H.; Moskovskikh, D.; Nepapushev, A.; Kuskov, K.; Tumanyan, M.; Zargaryan, A.; Traksmäa, Rainer; Kharatyan, S. Journal of alloys and compounds 2023 / art. 167589, 13 p
<https://doi.org/10.1016/j.jallcom.2022.167589>

Analysis of microstructure and abrasive wear of Fe-based hardfacings with TiC, in-situ synthesized from TiO₂

Yöyler, Sibel; Surzhenkov, Andrei; Antonov, Maksim; Viljus, Mart; Traksmäa, Rainer; Juhani, Kristjan Euro PM2023 : proceedings 2023 / art. 195090 <https://doi.org/10.59499/EP235762969>

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

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

Application of Taguchi method for in-situ synthesis of TiC from TiO₂-graphite powders in PTAW hardfacings and characterization thereof

Yöyler, Sibel; Surzhenkov, Andrei; Viljus, Mart; Traksmäa, Rainer; Juhani, Kristjan AIP conference proceedings 2024 / art. 040007 <https://doi.org/10.1063/5.0189317>

Behaviour of carbide composites in different operation conditions

Kübarsepp, Jakob; Klaasen, Heinrich; Viljus, Mart; Traksmäa, Rainer; Sergejev, Fjodor Powder metallurgy progress 2011 / p. 258-264 : ill

Blanking performance and fatigue endurance of carbide composites

Klaasen, Heinrich; Kübarsepp, Jakob; Preis, Irina; Sergejev, Fjodor; Traksmäa, Rainer Proceedings of 10th International Conference and Exhibition of the European Ceramic Society : June 17-21, 2007, Berlin 2007 / [4] p

Calcium hydroxyapatites as efficient catalysts for the Michael C-C bond formation

Gruselle, Michel; Kanger, Tõnis; Thouvenot, Rene; Flambard, Alexandrine; Kriis, Kadri; Mikli, Valdek; Traksmäa, Rainer; Maaten, Birgit; Tõnsuaadu, Kaia ACS catalysis 2011 / p. 1729-1733 : ill

Carbide grain and structure formation in Cr₃C₂-base cermets during sintering

Viljus, Mart; Traksmäa, Rainer; Pirso, Jüri Proceedings of Joint Nordic Conference in Powder Technology 2000 / p. 24

Carbide grain growth in Cr₃C₂-based cermets during sintering

Viljus, Mart; Pirso, Jüri; Traksmäa, Rainer Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000 / p. 159-162 : ill

Carbonation and leaching behaviors of cement-free monoliths based on high-sulfur fly ashes with the incorporation of amorphous calcium aluminate

Usta, Mustafa Cem; Yörük, Can Rüstü; Uibu, Mai; Traksmäa, Rainer; Hain, Tiina; Gregor, Andre; Trikkel, Andres ACS omega 2023 / p. 29543-29557 : ill <https://doi.org/10.1021/acsomega.3c03286>

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

Bogdanoviciene, Irma; Ezerskyte-Miseviciene, Akvile; Traksmäa, 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 phosphorite composition and properties during mechanical activation

Petkova, Vilma; Tõnsuaadu, Kaia; Kaljuvee, Tiit; Traksmäa, Rainer The Third International Conference on the Valorization of Phosphates and Phosphorus Compounds : COVA Phos 3 : Marrakech, Morocco, March 18th-20th, 2009 : abstracts 2009 / p. 186-188

Changes in phosphorite composition and properties during mechanical activation

Tõnsuaadu, Kaia; Kaljuvee, Tiit; Petkova, Vilma; **Traksmaa, Rainer;** Kirsimäe, Kalle Researchers' Network on Phosphates : The Third International Conference on the Valorization of Phosphates and Phosphorus Compounds : COVAPHOS III : Marrakech, Morocco, March 18th-20th, 2009 : proceedings 2009 / p. 15-21

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 (BALTMATRIB & 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 the viscoplastic behavior of nanocrystalline metals at HCV deformation

Kommel, Lembit; Hussainova, Irina; Traksmaa, Rainer Reviews on advanced materials science 2005 / p. 447-453

Comparative study of plasma cladded Fe-based composite hardfacings with in situ synthesized Cr and Ti carbide reinforcement

Tkachivskiy, Dmytro; Viljus, Mart; Traksmaa, Rainer; Antonov, Maksim; Surženkov, Andrei; Juhani, Kristjan; Kulu, Priit Solid state phenomena ; 320 2021 / p. 83-89 <https://doi.org/10.4028/www.scientific.net/SSP.320.83> [Conference proceedings metrics at Scopus](#) [Article at Scopus](#)

Comparison of copper zinc tin selenide formation in molten potassium iodide and sodium iodide as flux materials

Leinemann, Inga; Raudoja, Jaan; Grossberg, Maarja; Traksmaa, Rainer; Kaljuvee, Tiit; Altosaar, Mare; Meissner, Dieter Conference proceedings of the Conference of Young Scientists on Energy Issues : Kaunas, Lithuania, 27-28 May, 2010 2011 / [8] p https://www.researchgate.net/publication/284715158_COMPARISON_OF_COPPER_ZINC_TIN_SELENIDE_FORMATION_IN_MOLTEN_POTASSIUM_IODIDE_AND_SODIUM_IODIDE_AS_FLUX_MATERIALS

Comparison of curvature and X-Ray methods for measuring of residual stresses in hard PVD coatings

Lille, Harri; Kõo, Jakob; **Gregor, Andre; Ryabchikov, Alexander; Sergejev, Fjodor; Traksmaa, Rainer; Kulu, Priit** Materials science forum 2011 / p. 455-460

Comparison of the shot-put techniques

Krevald, Aadu; Sillat, T.; Traksmaa, Rainer; Palm, Vello 7th International Scientific Conference of the International Association of Sport Kinetics in Cooperation with the Faculty of Exercise and Sport Sciences, University of Tartu : August 30th - September 2nd, 2001 : abstracts 2001 / p. 64-65

Conductive polymer PEDOT:PSS back contact for CdTe solar cell

Jarkov, Aleksandr; Bereznev, Sergei; Laes, Kristjan; Volobujeva, Olga; Traksmaa, Rainer; Öpik, Andres; Mellikov, Enn Thin solid films 2011 / p. 7449-7452 : ill

Corrigendum to “The influence of high energy milling and sintering parameters on reactive sintered (Ti, Mo)C–Ni cermets” [J. Alloys Compd. 636 (2015) 381–386] (S0925838815005009) (10.1016/j.jallcom.2015.02.071)

Jõelet, Marek; Pirs, Jüri; Juhani, Kristjan; Viljus, Mart; Traksmaa, Rainer Journal of alloys and compounds 2018 / p. 128 <https://doi.org/10.1016/j.jallcom.2018.05.128> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrosion behavior of high velocity oxy-fuel sprayed composite Ni/Fe-based self-fluxing alloy - cermet coatings

Sarjas, Heikki; **Surženkov, Andrei; Baroninš, Janis; Viljus, Mart; Traksmaa, Rainer; Kulu, Priit** Journal of mineral, metal and material engineering 2018 / p. 1-9 : ill <http://www.scientificarray.org/journal-of-mineral-metal-and-material-engineering-volume-4/>

Covalent modification of calcium hydroxyapatite surface by grafting phenyl phosphonate moities

Aissa, Abdallah; Debbabi, Mongi; Gruselle, Michel; Thouvenot, Rene; Gredin, Patrick; **Traksmaa, Rainer; Tõnsuaadu, Kaia** Journal of solid state chemistry 2007 / 8, p. 2273-2278 <https://www.sciencedirect.com/science/article/pii/S0022459607002034>

Cu₂ZnSnSe₄ films by selenization of Sn-Zn-Cu sequential films

Volobujeva, Olga; Raudoja, Jaan; Mellikov, Enn; Grossberg, Maarja; Bereznev, Sergei; Traksmaa, Rainer Journal of physics and chemistry of solids 2009 / p. 567-570 : 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

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

Design of superhard c-BC₂N-precipitates in B₄C/Al-composites through SHS and heat treatment

Kommel, Lembit; Metsvahi, Rainer; Viljus, Mart; Kimmari, Eduard; Kolju, Karl; Traksmaa, Rainer Proceedings of the 8th

Eesti Elektriama tuha koostise röntgendifraktomeetiline analüüs

Paat, Aadu; Traksmäa, Rainer XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 122-123

Effect of attrition milling on grain size and properties of composites

Kommel, Lembit; Kimmari, Eduard; Traksmäa, Rainer Engineering Materials & Tribology : BALTMATTRIB - 2003 : 12th International Baltic Conference : October 2-3, 2003, Tallinn, Estonia : abstracts 2003 / p. 25

Effect of microstructure and residual stresses on the wear resistance and durability of steel bonded TiC cermets

Sergejev, Fjodor; Klaasen, Heinrich; Kübarsepp, Jakob; Traksmäa, Rainer Abstracts of International Conference on Fatigue Damage of Structural Materials - ICFDSM VIII, 18-24 September 2010 2010 / [1] p

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]

Evaluation of mechanical properties and residual stresses of hard PVD coatings

Gregor, Andre; Lille, Harri; Kõo, Jakob; Sergejev, Fjodor; Traksmäa, Rainer; Sivitski, Alina; Kulu, Priit 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATTRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 34

Evolution of the characteristics of light weight boron carbide cermet after heat treatment

Kommel, Lembit; Kurik, Lembit; Traksmäa, Rainer EUROMAT 2001 : 7th European Conference on Advanced Materials and Processes : Rimini, Italy, 10-14 June, 2001 : conference abstracts 2001 / p. 319

Evolution of the characteristics of light weight boron carbide cermet after heat treatment [Electronic resource]

Kommel, Lembit; Kurik, Lembit; Traksmäa, Rainer Proceedings of 7th European Conference on Advanced Materials and Processes : EUROMAT 2001 : Italy 2001 / [CD-ROM]

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

Fabrication, control and properties of nanocrystalline copper

Kommel, Lembit; Kübarsepp, Jakob; Veinthal, Renno; Traksmäa, Rainer Nano-architected and nanostructured materials : fabrication, control and properties 2004 / p. 27-37 : ill

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

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 <http://dx.doi.org/10.1007/s10973-015-4507-2>

Formation of copper zinc tin sulfide in cadmium iodide for monograin membrane solar cells

Nkwusi, Godswill; Leinemann, Inga; Grossberg, Maarja; Kaljuvee, Tiit; Traksmäa, Rainer; Altosaar, Mare; Meissner, Dieter Conference proceedings of the Conference of Young Scientists on Energy Issues : CYSENI 2012 : May 24-25, Kaunas, Lithuania 2012 / p. II 38-II 46 : ill
https://www.researchgate.net/publication/274889568_FORMATION_OF_COPPER_ZINC_TIN_SULFIDE_IN_CADMIUM_IODIDE_FOR_MONOGRAIN_MEMBRANE_SOLAR_CELLS

Formation of structure of the CdTe film, recrystallized on Mo/glass substrate under high temperature and mechanical pressure

Mikli, Valdek; Hiie, Jaan; Valdna, Vello; Viljus, Mart; Traksmäa, Rainer; Kallavus, Urve Thin solid films 2009 / 7, p. 2252-2255 : ill

Heat conductive plates from recycled niobium slag

Kulu, Priit; Goljandin, Dmitri; Viljus, Mart; Traksmäa, Rainer; Gregor, Andre Solid State Phenomena ; 320 2021 / p. 169-175
<https://doi.org/10.4028/www.scientific.net/SSP.320.169> Conference proceedings at Scopus Article at Scopus

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

Surženkov, Andrei; Goljandin, Dmitri; Traksmäa, 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 vacuum evaporation of n-CuIn3Se5 photoabsorber films for hybrid PV structures with conductive polymers
Adhikari, Nirmal; Bereznev, Sergei; Laes, Kristjan; Kois, Julia; Volobujeva, Olga; Raadik, Taavi; Õpik, Andres; Traksmaa, Rainer; Tverjanovich, Andrey Baltic Polymer Symposium 2010 : Palanga, September 8-11, 2010 : programme and abstracts 2010 / p. 124

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>

High-temperature tribological performance of hard multilayer TiN-AlTiN/nACo-CrN/AlCrN-AlCrO-AlTiCrN coating deposited on WC-Co substrate

Alamgir, Asad; Yashin, Maxim; Bogatov, Andrei; Viljus, Mart; Traksmaa, Rainer; Sondor, Jozef; Lümkmann, Andreas; Sergejev, Fjodor; Podgurski, Vitali Coatings 2020 / art. 909, 10 p. : ill <https://doi.org/10.3390/coatings10090909> [Journal metrics at WOS](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High-vacuum evaporation of n-CuIn3Se5 photoabsorber films for hybrid PV structures

Adhikari, Nirmal; Bereznev, Sergei; Laes, Kristjan; Kois, Julia; Volobujeva, Olga; Raadik, Taavi; Traksmaa, Rainer; Tverjanovich, Andrey; **Õpik, Andres; Mellikov, Enn** Journal of electronic materials 2011 / p. 2374-2381 : ill

Hüübriidsetes fototundlikes struktuurides rakendatavate n-CuIn3Se5 fotoabsorberkilede valmistamine kõrgvaakumaurustamise meetodil

Bereznev, Sergei; Adhikari, Nirmal; Kois, Julia; Volobujeva, Olga; Laes, Kristjan; Traksmaa, Rainer; Raadik, Taavi; Õpik, Andres XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 15

Impact of mechanical activation on physical and chemical properties of phosphorite concentrates

Tõnsuaadu, Kaia; Kaljuvee, Tiit; Petkova, Vilma; **Traksmaa, Rainer; Bender, Villem;** Kirsimäe, Kalle International journal of mineral processing 2011 / p. 104-109

Increase of life extension compressor blades of the turbo-jet by electroupsetting

Kommel, Lembit; Teterin, G.; **Traksmaa, Rainer** Advances in mechanical behaviour, plasticity and damage : proceedings of EUROMAT 2000. Volume 2 2000 / p. 1143-1148 : ill
https://www.researchgate.net/publication/321711508_Increase_of_life_extension_compressor_blades_of_the_turbo-jet_by_electro_upsetting_In_Advances_in_Mechanical_Behaviour_Plasticity_and_Damage_Proc_of_the_EUROMAT_2000_vol_2_Tours_France_07-09

Influence of annealing conditions on the structural quality of CuInSe2 thin films

Volobujeva, Olga; Kois, Julia; Traksmaa, Rainer; Muska, Katri; Bereznev, Sergei; Grossberg, Maarja; Mellikov, Enn Thin solid films 2008 / 20, p. 7105-7109 : ill

Influence of binder composition and microhardness on wear properties of light weight composites

Kommel, Lembit; Traksmaa, Rainer; Kimmari, Eduard Powder metallurgy progress 2003 / 3, p. 140-145 : ill
https://www.researchgate.net/publication/269035885_Influence_of_binder_composition_and_microhardness_on_wear_properties_of_light_weight_composites

Influence of the SPD processing features on the nanostructure and properties of a pure niobium

Kommel, Lembit; Mikli, Valdek; Traksmaa, Rainer; Saarna, Mart; Pokatilov, Andrei; Pikker, Siim; Kommel, Igor Materials science forum ; 667/669 2011 / p. 785-790 : ill

Investigation of mineral composition of oil shale ash stored in ash fields of the Balti Power Plant

Paat, Aadu; Traksmaa, Rainer Oil shale 2005 / 4S, p. 445-451 : ill https://artiklid.elnet.ee/record=b2352644*est

Investigation of the mineral composition of Estonian oil-shale ash using X-ray diffractometry

Paat, Aadu; Traksmaa, Rainer Oil shale 2002 / 4, p. 373-386 : ill https://artiklid.elnet.ee/record=b1011047*est

Investigation of (Ti, Al)N based coatings grown by physical vapor deposition

Podgurski, Vitali; Torp, Bo; **Traksmaa, Rainer; Veinthal, Renno; Viljus, Mart;** Coddet, Olivier; Morstein, Marcus; **Gregor, Andre;** **Kulu, Priit** Materials science = Medžiagotyra 2005 / 4, p. 352-355 : ill

Mechanically activated synthesis of chromium carbide

Viljus, Mart; Letunovitš, Sergei; Traksmaa, Rainer; Pirso, Jüri Proceedings of the 3rd International Conference Industrial

Microstructure and properties of insitu high entropy alloy/tungsten carbide composites by mechanical alloying

Sokkalingam, Rathinavelu; **Tarraste, Marek**; Surreddi, Kumar Babu; **Traksmaa, Rainer**; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Material design & processing communications 2020 / 9 p. : ill

<https://doi.org/10.1002/mdp2.175> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

Tarraste, Marek; Juhani, Kristjan; Pirso, Jüri; Viljus, Mart; **Traksmaa, 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]

Microstructure, properties and atomic level strain in severely deformed rare metal niobium

Kommel, Lembit; Saarna, Mart; **Traksmaa, Rainer**; **Kommel, Igor** Materials science = Medžiagotyra 2012 / p. 330-335 : ill

Modification of the optoelectronic properties of Cu₂CdSnS₄ through low-temperature annealing

Pilvet, Maris; **Kauk-Kuusik, Marit**; **Grossberg, Maarja**; Raadik, Taavi; **Mikli, Valdek**; **Traksmaa, Rainer**; **Raudoja, Jaan**; **Timmo, Kristi**; **Krustok, Jüri** Journal of alloys and compounds 2017 / p. 820-825 : ill <https://doi.org/10.1016/j.jallcom.2017.06.307>

New aspects in Ru³⁺ sorption mechanism on apatites

Tõnsuaadu, Kaia; Gruselle, Michel; Villain, Francoise; **Peld, Merike**; **Mikli, Valdek**; **Traksmaa, Rainer** Conference on Knowledge-based Materials and Technologies for Sustainable Chemistry : 1-5 June 2005, Tallinn, Estonia : abstract book 2005 / p. 121

A new glance at ruthenium sorption mechanism on hydroxy-, carbonate-, and fluor-apatites : analytical and structural studies

Tõnsuaadu, Kaia; Gruselle, M.; Villain, F.; Thouvenot, Rene; **Peld, Merike**; **Mikli, Valdek**; **Traksmaa, Rainer**; Grendin, P.; Carrier, X.; Shalles, L. Journal of colloid and interface science 2006 / 2, p. 283-291

Observation of photoluminescence edge emission in CuSbSe₂ absorber material for photovoltaic applications

Penežko, Aleksei; **Kauk-Kuusik, Marit**; **Volobujeva, Olga**; **Traksmaa, Rainer**; **Grossberg, Maarja** Applied physics letters 2019 / art. 092101, 4 p. : ill <https://doi.org/10.1063/1.5114893> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Optimization of WC-Ni-ZrO₂ structure

Voltšihhin, Nikolai; **Hussainova, Irina**; **Traksmaa, Rainer**; **Juhani, Kristjan** ECCM15 - 15th European Conference on Composite Materials : Venice, Italy, 24-28 June 2012 2012 / 8 p. : ill <http://www.escm.eu.org/eccm15/data/assets/296.pdf>

Oxidation-abrasion of TiC-based cermets in SiC medium

Antonov, Maksim; **Hussainova, Irina**; **Kübarsepp, Jakob**; **Traksmaa, Rainer** Wear 2011 / p. 23-31 : ill

Performance of cemented carbides in cyclic loading conditions

Klaasen, Heinrich; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; **Traksmaa, Rainer** Materials science = Medžiagotyra 2006 / 2, p. 144-146 : ill

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**; **Traksmaa, 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/563dadc08aec6f17dd80ea6/Phase-formation-and-microstructure-in-Re1-x-CaxBa2Cu3Oz-ReY-Eu-Er-x0-02-03-superconducting-ceramics.pdf

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**; **Traksmaa, Rainer**; Dimitriev, Y.B.; Kovachev, V.T. Central European science journals. Central European journal of chemistry : CEJC 2005 / 1, p. 167-174

Phases micromechanical properties of Ni-base superalloy measured by nanoindentation

Kommel, Lembit; **Kimmari, Eduard**; Viljus, Mart; **Traksmaa, Rainer**; **Volobujeva, Olga**; **Kommel, Igor** Materials science = Medžiagotyra 2012 / p. 28-33 : ill <https://matssc.ktu.lt/index.php/MatSc/article/view/1337>

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

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

Preparation and properties of CdTe films on Mo/glass substrates

Valdna, Vello; Grossberg, Maarja; Hiie, Jaan; Kallavus, Urve; Mikli, Valdek; Traksmäa, Rainer; Viljus, Mart Thin-film compound semiconductor photovoltaics - 2009 2009 / p. M08-24
https://www.researchgate.net/publication/231763435_Preparation_and_Properties_of_CdTe_Films_on_MoGlass_Substrates

Processing and mechanical properties of ZrC-ZrO₂ composites

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

Processing and microstructural characterization of WC based cermets doped by ZrO₂

Kimmari, Eduard; Hussainova, Irina; Smirnov, Anton; Traksmäa, Rainer; Preis, Irina 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 24

Processing and microstructural characterization of WC-based cermets doped by ZrO₂

Kimmari, Eduard; Hussainova, Irina; Smirnov, Anton; Traksmäa, Rainer; Preis, Irina Estonian journal of engineering 2009 / 4, p. 275-282 : ill

Processing of ZrC-TiC composites by SPS

Yung, Der-Liang; Hussainova, Irina; Rodriguez, Miguel Angel; Traksmäa, 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>

Production of thermal spray Cr₃C₂-Ni powders by mechanically activated synthesis

Tkachivskiy, Dmytro; Juhani, Kristjan; Surženkov, Andrei; Kulu, Priit; Viljus, Mart; Traksmäa, Rainer; Jankauskas, Vytenis; Leišys, Rimtautas Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 31-36 : ill <https://doi.org/10.4028/www.scientific.net/KEM.799.31>
https://www.ester.ee/record=b5235278*est <https://www.scientific.net/KEM.799.31> Conference proceeding at Scopus Article at Scopus

Properties of dimension (facing) stone from Estonian dolostone

Pöldme, Meeme; Kallavus, Urve; Schvede, Jüri; Traksmäa, Rainer Materials science = Medžiagotyra 2003 / 2, p. 213-217 : ill

Puidu biodegradatsiooni uurimine

Kallavus, Urve; Irbe, I.; Traksmäa, Rainer XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 36-37 : ill

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

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

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

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

PVD of highly photosensitive n-CuIn₅Se₈ films for hybrid PV structures

Adhikari, Nirmal; Bereznev, Sergei; Volobujeva, Olga; Raadik, Taavi; Traksmäa, Rainer; Öpik, Andres Progress in Applied Surface, Interface and Thin Film Science 2012 : Florence, Italy, June 14-19, 2012 : program and book of abstracts 2012 / p. 83

PVD of n-CuIn₃Se₅ photoabsorber films

Adhikari, Nirmal; Bereznev, Sergei; Kois, Julia; Volobujeva, Olga; Raadik, Taavi; Traksmäa, Rainer; Tverjanovich, Andrey; Öpik, Andres Materials and applications for sensors and transducers 2012 / p. 339-342
https://www.researchgate.net/publication/272070024_PVD_OF_n-CuIn3Se5_photoabsorber_films

PVD of n-CuIn₅Se₈ photoabsorber films for hybrid solar cells

Adhikari, Nirmal; Bereznev, Sergei; Kois, Julia; Volobujeva, Olga; Raadik, Taavi; Traksmäa, Rainer; Dahal, R.K.; Tverjanovich, Andrey; Öpik, Andres Baltic Polymer Symposium 2012 : Liepaja, Latvia, September 19-22 : programme and proceedings 2012 / p. 29

Reaction enthalpies of Cu₂ZnSnSe₄ synthesis in KI

Leinemann, Inga; Timmo, Kristi; Grossberg, Maarja; Kaljuvee, Tiit; Tõnsuaadu, Kaia; Traksmäa, 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>

Reaction pathway to CZTSe formation in CdI₂ : Part 2: Chemical reactions and enthalpies in mixtures of CdI₂-CuSe-SnSe and CdI₂-CuSe-SnSe-ZnSe

Leinemann, Inga; Pilvet, Maris; Kaljuvee, Tiit; Traksmäa, Rainer; Altosaar, Mare Journal of thermal analysis and calorimetry

Reaction pathway to Cu₂ZnSnSe₄ formation in CdI₂ : part 1. Chemical reactions and enthalpies in mixtures of CdI₂–ZnSe, CdI₂–SnSe, and CdI₂–CuSe

Leinemann, Inga; Nkwusi, Godswill; Timmo, Kristi; Volobujeva, Olga; Danilson, Mati; Raudoja, Jaan vt.ka Mäddasson, Jaan; Kaljuvee, Tiit; Traksmäa, Rainer; Altosaar, Mare; Meissner, Dieter Journal of thermal analysis and calorimetry 2018 / p.409 - 421 : ill <https://doi.org/10.1007/s10973-018-7102-5> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Recrystallization of CdTe film under conditions of high temperature and mechanical pressure

Mikli, Valdek; Hiie, Jaan; Viljus, Mart; Nisumaa, Reet; Traksmäa, Rainer; Kallavus, Urve Thin solid films 2008 / 20, p. 7041-7045 : ill

Selenisation of sequentially electrodeposited Cu-Zn and Sn precursor layers

Ilijina, Julia; Volobujeva, Olga; Raadik, Taavi; Revathi, Naidu; Raudoja, Jaan; Loorits, Mihkel; Traksmäa, Rainer; Mellikov, Enn Thin solid films 2013 / p. 14-17 : ill

Selenization of co-sputtered Cu-In alloy films

Volobujeva, Olga; Abou-Ras, Daniel; Grossberg, Maarja; Raudoja, Jaan; Mellikov, Enn; Traksmäa, Rainer Conference records of the 33rd IEEE Photovoltaic Specialists Conference : San Diego, U.S.A., May 12-16, 2008 2008 / ? p <https://doi.org/10.1109/PVSC.2008.4922549>

SEM analysis and selenization of Cu-Zn-Sn sequential films produced by evaporation of metals

Volobujeva, Olga; Mellikov, Enn; Raudoja, Jaan; Grossberg, Maarja; Bereznev, Sergei; Altosaar, Mare; Traksmäa, Rainer Conference on Optoelectronic and Microelectronic Materials and Devices (COMMAD 2008) : Sydney, 18.07-1.08.2008 : proceedings 2009 / p. 257-260 <https://ieeexplore.ieee.org/document/4802140/similar#similar>

Sintering of zirconium carbide-based composites

Yung, Der-Liang; Voltšihhin, Nikolai; Hussainova, Irina; Kollo, Lauri; Traksmäa, 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

Sliding wear of composite stainless steel hardfacing under room and elevated temperature

Surženkov, Andrei; Baroninš, Janis; Viljus, Mart; Traksmäa, Rainer; Kulu, Priit Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 195-200 : ill <http://dx.doi.org/10.4028/www.scientific.net/SSP.267.195>

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

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

Structural changes of starch during baking and staling of rye bread

Mihhalevski, Anna; Heinmaa, Ivo; Traksmäa, Rainer; Pehk, Tõnis; Mere, Arvo; Paalme, Toomas Journal of agricultural and food chemistry 2012 / p. 8492-8500 : ill <https://pubs.acs.org/doi/10.1021/jf3021877>

Structural investigations of ion beam synthesized [beeta]-FeSi₂

Angelov, Christo; Amov, Blagoj; Mikli, Valdek; Traksmäa, Rainer Journal of optoelectronics and advanced materials 2009 / 10, p. 1490-1493 https://www.researchgate.net/publication/286966891_Structural_investigations_of_ion_beam_synthesized_b-FeSi2

Structural studies of apatite

Tõnsuaadu, Kaia; Peld, Merike; Mikli, Valdek; Bender, Villem; Traksmäa, Rainer; Villani, F.; Gruselle, M. Nanopowders, Nanostuctured Materials and Coatings : Network for Nanostructured Materials of ACC : March 17, 2005, Tallinn, Estonia : book of abstracts 2005 / p. 19-21

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

Kolnes, Märt; Pirso, Jüri; Kübarsepp, Jakob; Viljus, Mart; Traksmäa, Rainer Proceedings of the Estonian Academy of Sciences 2016 / p. 138-143 : ill <http://dx.doi.org/10.3176/proc.2016.2.09> https://artiklid.elnet.ee/record=b2768217*est

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

Klavina, Inga; Kaljuvee, Tiit; Timmo, Kristi; Raudoja, Jaan; Traksmäa, Rainer; Altosaar, Mare; Meissner, Dieter Thin solid films 2011 / p. 7399-7402

Study of submerged and plasma arc welded composite hardfacings with a novel Cr₃C₂-Ni reinforcement

Bendikiene, Regita; Surženkov, Andrei; Tkachivskyi, Dmytro; Juhani, Kristjan; Viljus, Mart; Traksmas, Rainer; Antonov, Maksim; Kulu, Priit Proceedings of the Estonian Academy of Sciences 2019 / p. 150–157 : ill <https://doi.org/10.3176/proc.2019.2.06>
http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-150-157.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis of anion and cation substituted apatites

Tõnsuaadu, Kaia; Peld, Merike; Traksmas, Rainer; Mikli, Valdek Book of abstracts of the 8-th International Summer School-Conference : Advanced Materials and Technologies : Palanga, Lithuania, 27-31 August 2006 2006 / p. 86

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

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

Synthesis of cationic substituted biomimic apatites by precipitation

Tõnsuaadu, Kaia; Bogdanoviciene, Irma; Traksmas, 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 TiC by mechanical activation of powder components

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

ZnCdSeTe radiation detectors

Valdna, Vello; Hiie, Jaan; Strandberg, Marek; Traksmas, Rainer; Viljus, Mart Optoelectronic Devices : Physics, Fabrication and Application. Ill 2006 / [6] p https://www.researchgate.net/publication/253057744_ZnCdSeTe_radiation_detectors

ZnCdSeTe semiconductor compounds : preparation and properties

Valdna, Vello; Grossberg, Maarja; Hiie, Jaan; Kallavus, Urve; Mikli, Valdek; Raadik, Taavi; Traksmas, Rainer; Viljus, Mart MRS proceedings 2011 / p. u07-15

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

Bogdanoviciene, Irma; Tõnsuaadu, Kaia; Kaljuvee, Tiit; Traksmas, 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

Technological peculiarities of chromium carbide-based iron alloy bonded cermet

Kolnes, Märt; Kübarsapp, Jakob; Viljus, Mart; Traksmas, Rainer Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 82-86 : ill <https://doi.org/10.4028/www.scientific.net/SSP.267.82>

Temperature-dependent photoreflectance of SnS crystals

Raadik, Taavi; Grossberg, Maarja; Raudoja, Jaan; Traksmas, Rainer; Krustok, Jüri Journal of physics and chemistry of solids 2013 / p. 1683-1685 : ill

Texture and structure of hot-rolling YBCO tapes with Ca-substitution

Stoyanova-Ivanova, Angelina; Terzieva, Stanimira; Mikli, Valdek; Traksmas, Rainer; Kovachev, V. Journal of Bulgarian Academy of Sciences 2006 / p. 57-60

The characterization of TiAl intermetallics after rapid solidification by IFFM technique

Kommel, Lembit; Traksmas, Rainer EUROMAT 2001 : 7th European Conference on Advanced Materials and Processes : Rimini, Italy, 10-14 June, 2001 : conference abstracts 2001 / p. 339

The characterization of TiAl intermetallics after rapid solidification by IFFM technique [Electronic resource]

Kommel, Lembit; Traksmas, Rainer Proceedings of 7th European Conference on Advanced Materials and Processes : EUROMAT 2001 : Italy 2001 / [CD-ROM]

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

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

The impedance spectroscopy of CuIn₃Se₅ photoabsorber films prepared by high vacuum evaporation technique

Laes, Kristjan; Bereznev, Sergei; Land, Raul; Tverjanovich, Andrey; Volobujeva, Olga; Traksmas, Rainer; Raadik, Taavi; Öpik,

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 reactive sintering parameters on the structure and properties of Cr₃C₂-Ni cermets

Viljus, Mart; Letunovits, Sergei; Traksmäa, Rainer; Pirso, Jüri Medžiagotyra = Materials science 2002 / 4, p. 473-476 : ill

The influence of reactive sintering parameters on the structure and properties of Cr₃C₂-Ni cermets

Viljus, Mart; Letunovits, Sergei; Traksmäa, Rainer; Pirso, Jüri Abstracts of International Conference Materials Engineering and Tribology 2002 / p. 15

The influence of refractory composition in binder phase on wear properties of boron carbide aluminium composites

Kommel, Lembit; Traksmäa, Rainer; Kimmari, Eduard Abstracts of 10th Nordic Symposium on Tribology NORDTRIB 2002 / p. 97

The influence of refractory composition in binder phase on wear properties of boron carbide aluminium composites [Electronic resource]

Kommel, Lembit; Traksmäa, Rainer; Kimmari, Eduard Proceedings of 10th Nordic Symposium on Tribology NORDTRIB 2002 / Ref. 18 [CD-ROM]

The light weight boron carbide cermet as tribomaterial

Kommel, Lembit; Pirso, Jüri; Traksmäa, Rainer 9th Nordic Symposium on Tribology NORDTRIB 2000 : Porvoo, Finland, 11-14 June 2000. Vol. 3 2000 / p. 886-895 : ill

The metal ceramic boron carbide light alloy produced by powder metallurgy

Kommel, Lembit; Traksmäa, Rainer Proceedings of Joint Nordic Conference in Powder Technology 2000 / p. 37

The structure formation of TiC-NiMo hardmetals during the sintering process

Viljus, Mart; Pirso, Jüri; Traksmäa, Rainer Proceedings of Joint Nordic Conference in Powder Technology : May 5-6, 1999, Oslo, Norway 1999 / p. 13

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>

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 study of rye bread staling

Mihhalevski, Anna; Paalme, Toomas; Heinmaa, Ivo; Traksmäa, Rainer 7th European Young Cereal Scientists and Technologists Workshop : Kaunas, Lithuania, May 19-21, 2008 : programme and abstract book 2008 / p. 22

Thermal analysis of synthetic biomimic apatites

Tõnsuaadu, Kaia; Peld, Merike; Mikli, Valdek; Traksmäa, Rainer 1st Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEE-C-TAC1), 7-10 September 2011, Craiova, Romania : book of abstracts 2011 / p. 260

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; Traksmäa, 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; Traksmäa, 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_Abstacts_ICTAC2020.pdf

Thermal behaviour of Estonian phosphorites from different deposits

Kaljuvee, Tiit; Tõnsuaadu, Kaia; Traksmäa, Rainer; Einard, Marve; Jefimova, Jekaterina; Petkova, Vilma 2nd Journal of Thermal Analysis and Calorimetry Conference, Budapest, June 18–21, 2019 : book of abstracts 2019 / p. 134-135 <https://jtac-tacc.akcongress.com/>

Thermal behaviour of Estonian phosphorites from different deposits

Kaljuvee, Tiit; Tõnsuaadu, Kaia; Traksmäa, Rainer; Einard, Marve; Jefimova, Jekaterina; Petkova, Vilma Journal of thermal analysis and calorimetry 2020 / p. 437-449 <https://doi.org/10.1007/s10973-019-09056-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermal properties of calcium-aluminate based materials

Kulu, Priit; Goljandin, Dmitri; Traksmäa, Rainer; Kaljuvee, Tiit; Gregor, Andre Proceedings of the Estonian Academy of Sciences 2021 / p. 508-515 : ill <https://doi.org/10.3176/proc.2021.4.19> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermal properties of calcium-aluminate based materials

Kulu, Priit; Goljandin, Dmitri; Traksmäa, Rainer; Kaljuvee, Tiit; Gregor, Andre IOP conference series : materials science and engineering 2021 / art. 012028, 7 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012028>

Thin composite films consisting of polypyrrole and polyparaphenylene

Golovtsov, Igor; Bereznev, Sergei; Traksmäa, Rainer; Öpik, Andres Thin solid films 2006 / 19, p. 7712-7715 : ill

Thin tin monosulfide films deposited with the HVE method for photovoltaic applications = Tanka plast hve kositrovega monosulfida za uporabo v fotovoltaiiki

Naidu, Revathi; Bereznev, Sergei; Lehner, Julia; Traksmäa, Rainer; Safonova, Maria; Mellikov, Enn; Volobujeva, Olga Materials and technology 2015 / p. 149-152 : ill <http://mit.imt.si/Revija/izvodi/mit151/revathi.pdf>

Timing and rhythmic parameters in the course of discus throwing

Krevald, Aadu; Traksmäa, Rainer; Sillat, T. 7th International Scientific Conference of the International Association of Sport Kinetics in Cooperation with the Faculty of Exercise and Sport Sciences, University of Tartu : August 30th - September 2nd, 2001 : abstracts 2001 / p. 65-66

Toward high temperature tough ceramics

Hussainova, Irina; Yung, Der-Liang; Voltšihhin, Nikolai; Traksmäa, 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>

Usages of X-rays in the investigation of oil shale and ashes

Paat, Aadu; Traksmäa, Rainer Abstracts : Symposium on Oil Shale 2002, 18-21 November 2002, Tallinn, Estonia 2002 / p. 80

Wear behaviour of Cr3C2-Ni cermet reinforced hardfacings

Bendikiene, Regita; Ciuplys, Antanas; Sertvytis, Rolandas; Surženkov, Andrei; Tkachivskyi, Dmytro; Viljus, Mart; Traksmäa, Rainer; Antonov, Maksim; Kulu, Priit Journal of materials research and technology 2020 / p. 7068-7078 : ill <https://doi.org/10.1016/j.jmrt.2020.05.042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wear resistance of sintered composite hardfacings under different abrasive wear conditions

Simson, Taavi; Kulu, Priit; Surženkov, Andrei; Tarbe, Riho; Goljandin, Dmitri; Tarraste, Marek; Viljus, Mart; Traksmäa, Rainer Medžiagotyra = Materials science 2017 / p. 249-253 : ill <http://dx.doi.org/10.5755/j01.ms.23.3.17640>

X-ray diffraction studies of nanocrystalline niobium

Kommel, Lembit; Traksmäa, Rainer; Kommel, Igor; Saarna, Mart Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28-29, 2010, Riga, Latvia 2010 / p. 20

X-ray investigation of microstructure and properties evolution on superalloy Inconel-718 derivative during rapid joule heating and severe plastic deformation in-situ

Kommel, Lembit; Traksmäa, Rainer; Mikli, Valdek International journal for innovation education and research 2018 / p. 12-22 : ill <http://ijer.net/index.php/ijer/article/download/1145/813/>

Текстура и структура на горещо валцувани YBCO ленти с калциева (Ca) субституция (Texture and structure of hot-rolling YBCO tapes with Ca-substitution)

Stoyanova-Ivanova, Angelina; Terzieva, Stanimira; Mikli, Valdek; Traksmäa, Rainer; Kovachev, V. Списание на БАН = Magazine of BAS 2005 / [4] p