

An analogue of melt segregation and accumulation processes in the Earth's crust

Urtson, Kristjan; Soesoo, Alvar Estonian journal of earth sciences 2007 / 1, p. 3-10 : ill

Assessing structural bonding aspects of multiband superconductors through impurity-induced local lattice distortions : a case study on MgB₂

Pishtshev, Aleksandr; Klopov, Mihhail International journal of quantum chemistry 2013 / p. 643-650 : ill

Astronoomia praktikum 1. Õppekaardid

2006

Atmosfäär

Mars, Mario Minu Maailm 2015 / lk. 20-21 : fot http://www.ester.ee/record=b3033179*est

Atmosfääri ehitus

Mars, Mario Minu Maailm 2015 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*est

Atmosfääri ja mere dünaamika

Elken, Jüri; Männik, Aarne; Rõõm, Rein Teadusmõte Eestis : täppisteadused : [artiklikogumik] 2006 / lk. 119-126 : ill
https://www.ester.ee/record=b2230239*est

Cd²⁺ ja Mn²⁺ sidumine vesilahustest sünteetiliste fluorkarbonaatapatitiididega = Removal of Cd²⁺ and Mn²⁺ ions from aqueous solutions by fluorocarbonateapatites

Tõnsuaadu, Kaia; Peld, Merike; Veiderma, Mihkel; Bender, Villem XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 215-216
https://www.ester.ee/record=b1070511*est

Compositionally tunable structure and optical properties of Cu_{1.85}(Cd_xZn_{1-x})_{1.1}SnS_{4.1} (0 ≤ x ≤ 1) monograin powders

Pilvet, Maris; Kauk-Kuusik, Marit; Altosaar, Mare; Grossberg, Maarja; Danilson, Mati; Timmo, Kristi; Mere, Arvo; Mikli, Valdek Thin solid films 2015 / p. 180-183 : ill <http://dx.doi.org/10.1016/j.tsf.2014.10.091>

Conjoined structures of carbon nanotubes and graphene nanoribbons

Krasnenko, Veera; Boltruško, Vadim; Klopov, Mihhail; Hižnjakov, Vladimir Physica scripta 2014 / p. 1-4 : 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

Defect studies in Cu₂ZnSnSe₄ and Cu₂ZnSn(Se_{0.75}S_{0.25})₄ by admittance and photoluminescence spectroscopy

Kask, Erkki; Grossberg, Maarja; Josepson, Raavo; Salu, Pille; Timmo, Kristi; Krustok, Jüri Materials science in semiconductor processing 2013 / p. 992-996 : ill

Department of Physics

Ruus, Tõnu; Gavrilov, Aleksei; Rusalep, Ervin; Loide, Rein-Karl Research activities / Tallinn Technical University 1993 / p. 11-12
https://www.ester.ee/record=b1053754*est

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

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

Dielectric relaxation and conduction mechanisms in sprayed TiO₂ thin films as a function of the annealing temperature

Juma, Albert Owino; Oja Acik, Ilona; Mere, Arvo; Krunks, Malle Applied physics. A, Materials science & processing 2016 / art. 359, p. 1-6 : ill <http://dx.doi.org/10.1007/s00339-016-9874-4>

A digital measuring module for tool wear estimation

Otto, Tauno; Kurik, Lembit Annals of DAAAM for 2002 & proceedings of the 13th International DAAAM Symposium "Intelligent Manufacturing & Automation : Learning from Nature" : Vienna University of Technology, 23-26th October 2002, Vienna, Austria, European Union 2002 / p. 397-398 : ill

Doubly charged Higgs boson decays and implications on neutrino physics = Kahekordse laenguga Higgsi bosoni lagunemiste analüüs ja selle mõju neutriinofüüsikale

Kadastik, Mario 2008 https://www.ester.ee/record=b2424087*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; Öiger, 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 teadus- ja arendustegevuse finantseerimissüsteemi evalvatsioonist

Vaikmäe, Rein Teaduse ning teadus- ja arendustegevuse finantseerimissüsteemi evalveerimine : Eesti Teaduste Akadeemia seminari materjalid : 19.11.2003 2004 / lk. 4-6 https://www.ester.ee/record=b1884230*est

Effect of solution composition on anatase to rutile transformation of sprayed TiO₂ thin films

Juma, Albert Owino; Oja Acik, Ilona; Mikli, Valdek; Mere, Arvo; Krunks, Malle Thin solid films 2015 / p. 287-292 : ill <http://dx.doi.org/10.1016/j.tsf.2015.03.036>

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

Electrical characterization of annealed chemical-bath-deposited CdS films and their application in superstrate configuration CdTe/CdS solar cells

Graf, Aleksandr; Maticiu, Natalia; Spalatu, Nicolae; Mikli, Valdek; Mere, Arvo; Gavrilov, Aleksei; Hiie, Jaan Thin solid films 2015 / p. 351-355 : ill <http://dx.doi.org/10.1016/j.tsf.2014.11.003>

Electrical characterization of cadmium sulfide films, annealed in reducing, neutral and oxidizing ambients of H₂, N₂, and air

Graf, Aleksandr; Gavrilov, Aleksei; Hiie, Jaan TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

Electrical characterization of CdS films, annealed in reducing, neutral and oxidizing ambients of H₂, N₂, and air

Graf, Aleksandr; Maticiu, Natalia; Gavrilov, Aleksei; Hiie, Jaan EMRS 2014 Spring Meeting : Lille, France, May 26-30. Symposium A, Thin film chalcogenide photovoltaic materials 2014 / p. 22

Electrical characterization of nanostructured CIS solar cell prepared by chemical spray pyrolysis

Kärber, Erki; Abass, Aimi; Khelifi, Samira; Burgelman, Marc; Mere, Arvo; Katerski, Atanas; Krunks, Malle NEXTGEN NANO PV : book of abstracts 2013 / p. 80-81

Electronic and optical properties of magnesium and calcium hydroxides : the role of covalency and many-body effects

Pishchev, Aleksandr; Karazhanov, S. Zh.; Klopov, Mihhail Joint 12th Russia/CIS/Baltic/Japan Symposium on Ferroelectricity and 9th International Conference Functional Materials and Nanotechnologies : Institute of Solid State Physics, University of Latvia, September 29-October 2, Riga, Latvia : book of abstracts 2014 / p. 258

Electronic excitations and self-trapping of electrons and holes in CaSO₄

Kudrjavitseva, Irina; Klopov, Mihhail; Luštšik, Aleksandr Physica scripta 2014 / p. 1-6 : ill

Elekter võib olla tappev

Mars, Mario Minu Maailm 2016 / lk. 31 : ill http://www.ester.ee/record=b3033179*est

Elektriline paadi päramootor liitiumaku toitega

Gavrilov, Aleksei Kalastaja 2016 / lk. 76-79 : ill. ; 82, lk. 76 http://www.ester.ee/record=b1072320*est
https://artiklid.elnet.ee/record=b2807237*est

Elu otsingutest kosmoses

Mars, Mario Minu Maailm 2016 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*est

Esimesed kosmoseraketid

Mars, Mario Minu Maailm 2015 / lk. 20-22 : ill http://www.ester.ee/record=b3033179*est

Excitons in Mg(OH)₂ and Ca(OH)₂ from ab initio calculations

Pishchev, Aleksandr; Karazhanov, S. Zh.; Klopov, Mihhail Solid state communications 2014 / p. 11-15 : ill

Extent and reasons for biodeterioration, salt distribution and damage of plaster in Estonian medieval churches

Kallavus, Urve; Kalamees, Targo; Kurik, Lembit; Traksmäe, Rainer ISBP 2015 : 1st International Symposium on Building Pathology : conference proceedings : March 24-27, 2015, Porto, Portugal 2015 / p. 709-716 : ill

Füüsika : loengukonspekt

Uder, Ülo-Olimar 2006 http://www.ester.ee/record=b2122527*est

Füüsika : loengukonspekt

Uder, Ülo-Olimar 2006 https://www.ester.ee/record=b2226914*est

Füüsika : loengukonspekt

Uder, Ülo-Olimar 1997 http://www.ester.ee/record=b1059865*est

Füüsika 9. klassile : soojusõpetus. Tuumaenergia

Pärtel, Enn; Lõhmus, Jaak; **Loide, Rein-Karl** 2013 https://www.ester.ee/record=b3005362*est

Füüsika praktikumi metoodiline juhend. I

1987 https://www.ester.ee/record=b1230884*est

Füüsika töövihik 9. klassile : soojusõpetus. Tuumaenergia

Pärtel, Enn; **Loide, Rein-Karl** 2014 https://www.ester.ee/record=b4422377*est

Füüsika ülesanded

2005 http://www.ester.ee/record=b2032225*est

Füüsika. I : praktikumi tööjuhendid

2015 http://www.ester.ee/record=b4525849*est

Füüsika. II : praktikumi tööjuhendid

2010 http://www.ester.ee/record=b2614324*est

Füüsika. II : praktikumi tööjuhendid

2012 http://www.ester.ee/record=b2614324*est

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

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>

lidne Hiina astronoomia

Mars, Mario Minu Maailm 2015 / p. 20-21 : ill http://www.ester.ee/record=b3033179*est

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

Impact of Cu₂ZnSn(SexS_{1-x})₄ (x=0.3) compositional ratios on the monograin powder properties and solar cells

Muska, Katri; Kauk-Kuusik, Marit; Grossberg, Maarja; Altosaar, Mare; Pilvet, Maris; Varema, Tiit; Timmo, Kristi; Volobujeva, Olga; Mere, Arvo Thin solid films 2013 / p. 35-38 : ill

Impact of the selenisation temperature on the structural and optical properties of CZTSe absorbers

Marquez-Prieto, J.; Yakushev, M.V.; Forbes, I.; Krustok, Jüri Solar energy materials and solar cells 2016 / p. 42-50 : ill <http://dx.doi.org/10.1016/j.solmat.2016.03.018>

Implications of the theory of turbulent mixing for wave propagation in media with fluctuating coefficient of refraction
Kalda, Jaan; Kree, Mihkel Proceedings of the Estonian Academy of Sciences 2015 / p. 285-290 : ill
https://artiklid.elnet.ee/record=b2740540*est

Indoor climate in a naturally ventilated unheated medieval churches

Kalamees, Targo; Väli, Alan; **Kurik, Lembit** The Final Research Report of the project "Sustainable Management of Historic Rural Churches in the Baltic Sea Region (SMC)" 2013 / p. 30-51 : ill

In-situ deposition of gold nanoparticles onto different substrates by chemical spray pyrolysis

Oja Acik, Ilona; Oyekoya, Gboyega Nathaniel; Mere, Arvo; Katerski, Atanas; Mikli, Valdek; Krunks, Malle IOP conference series : materials science and engineering 2015 / p. 1-5 : ill

Investigation of electrical properties of cadmium sulfide thin films

Graf, Aleksandr Proceedings of CYSENI 2013 : the 10th Annual Conference of Young Scientists on Energy Issues, May 29-31, 2013, Kaunas, Lithuania 2013 / p. 457-463

Investigation of the structural, optical and electrical properties of Cu₃BiS₃ semiconducting thin films

Yakushev, M. V.; Maiello, P.; **Raadik, Taavi; Krustok, Jüri** Energy procedia 2014 / p. 166-172 : ill

Jõulutäht - Kapella

Mars, Mario Minu Maailm 2016 / lk. 22-23 : ill http://www.ester.ee/record=b3033179*est

Kas kodukootud jopest loobumine tooks Kelly Sildaru X-mängude medalivõistluse tagasi?

Voog, Viljar; **Meri, Arvo** Õhtuleht 2016 / lk. 20-21 <https://www.ohhtuleht.ee/sport/715324/kas-kodukootud-jopest-loobumine-tooks-kelly-sildaru-x-mangude-medalivoistluse-tagasi>

Kes on astronoom ja kuidas selleks saada?

Mars, Mario Minu Maailm 2016 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*est

Kiika kalendrisse!

Mars, Mario Minu Maailm 2015 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*est

Kosmosemõistus

Minu Maailm 2015 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*est

Kuidas liikluses ellu jääda?

Mars, Mario Minu Maailm 2016 / lk. 17 : ill http://www.ester.ee/record=b3033179*est

Kuidas vältida välku?

Mars, Mario Minu Maailm 2016 / lk. 27 http://www.ester.ee/record=b3033179*est

Loodusharidus kui Eesti hariduse edendamise üks võtmeid

Soesoo, Alvar Õpetajate Leht 2007 / 25. mai, lk. 8 https://artiklid.elnet.ee/record=b2371104*est

Low-cost plasmonic solar cells prepared by chemical spray pyrolysis

Kärber, Erki; Katerski, Atanas; Oja Acik, Ilona; Mikli, Valdek; Mere, Arvo; Sildos, Ilmo; **Krunks, Malle** The Beilstein journal of nanotechnology 2014 / p. 2398-2402 : ill

Maade jagamine Arktikas

Soesoo, Alvar Eesti Päevaleht 2007 / 23. aug., lk. 3 https://artiklid.elnet.ee/record=b1157173*est

Maale lähenenud komeete : [tabel]

Horisont 1997 / 4, Horisondi Ekstra, lk. 3

Magnetic and structural studies of LaMnO₃ thin films prepared by atomic layer deposition

Khanduri, Himani; Chandra Dimri, Mukesh; Vasala, S.; Leinberg, Silver; Löhmus, Rünno; Ashworth, T. V.; **Mere, Arvo; Krustok, Jüri;** Karpinen, Maarit; Stern, Raivo Journal of physics D : applied physics 2013 / p. 1-8 : ill

Magnetic properties of functional oxides = Funktsionaalsete oksiidide magnetilised omadused

Khanduri, Himani 2013 https://www.ester.ee/record=b2954989*est

Magnetic studies on spinel ferrite nanoparticles synthesized by citrate combustion route

Chandra Dimri, Mukesh; Khanduri, Himani; **Mere, Arvo;** Stern, Raivo 13th International Conference on Magnetic Fluids : 7th-11th January 2013 : abstract book 2013 / p. 196-197

Matemaatika füüsikaloengus : õppematerjal tehnikaüliõpilastele

1993 https://www.ester.ee/record=b1064392*est

Matemaatika füüsikaloengus : õppematerjal tehnikaüliõpilastele

2000 https://www.ester.ee/record=b1390927*est

Matemaatika füüsikaloengus : õppematerjal tehnikaüliõpilastele

2003 https://www.ester.ee/record=b1809215*est

Materials properties of magnesium and calcium hydroxides from first-principles calculations

Pishtshev, Aleksandr; Karazhanov, S. Zh.; **Klopov, Mihhail** Computational materials science 2014 / p. 693-705 : ill

Measurement of the lifetime of nonequilibrium charge carriers in silicon using photoelectric methods

Graf, Aleksandr; Gavrilov, Aleksei; Suurvarik, Pavel International journal of engineering and applied sciences (EAAS) 2015 / p. 26-31 : ill <http://eaas-journal.org/survey/userfiles/files/v6i303%20Physics.pdf>

Meie kodu - Linnutee

Mars, Mario Minu Maailm 2016 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*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

Metroloogia füüsika praktikumis

Uder, Ülo-Olimar 2005 http://www.ester.ee/record=b2097067*est

Microphotoluminescence study of Cu₂ZnSnS₄ polycrystals

Grossberg, Maarja; Salu, Pille; Raudoja, Jaan; Krustok, Jüri Journal of photonics for energy 2013 / p. 030599-1 - 030599-6 : ill

Miks Kuu on nii tolmune?

Mars, Mario Minu Maailm 2016 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*est

Mis võib muuta elu Maal võimatuks? 3. osa, Inimtekkelised katastroofid

Mars, Mario Minu Maailm 2015 / lk. 20-21 : fot http://www.ester.ee/record=b3033179*est

Mis võib muuta elu Maal võimatuks? Maapealsed ohud [2. osa]

Mars, Mario Minu Maailm 2015 / lk. 20-22 : fot http://www.ester.ee/record=b3033179*est

Modeling of self-localized vibrations and defect formation in solids

Hižnjakov, Vladimir; Haas, Mati; Pishtshev, Aleksandr; Šelkan, Aleksander; **Klopov, Mihhail** Nuclear instruments and methods in physics research section B-beam interactions with materials and ato 2013 / p. 91-94 : ill

Modeling the reflection effect in precataclysmic binary systems

Pustõnski, Vladislav-Venjamin 2007 https://www.ester.ee/record=b2287715*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

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

Mere, Arvo; Katerski, Atanas; Oja Acik, Ilona; Dolgov, Leonid; Sildos, Ilmo; Krunks, Malle NANOSMAT Conference, 22-25 September 2013, Granada, Spain : abstracts book 2013

Molecular dynamics study of bending deformation in fivefold twinned silver nanowires

Jõgi, Jakob; Dorogin, Leonid; **Kalda, Jaan** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

Mõistatuslikud kosmoseringid

Minu Maailm 2016 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*est

Nanostructured layers of ZnS obtained by spray pyrolysis

Dedova, Tatjana; Gromõko, Inga; Mikli, Valdek; Volobujeva, Olga; Utt, Kathriin; 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

Neil Armstrong - mees, kes tegi esimesed sammud Kuul

Mars, Mario Minu Maailm 2016 / lk. 20-21 : fot http://www.ester.ee/record=b3033179*est

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

Niobium doped TiO₂ layers by chemical spray pyrolysis

Dündar, Ibrahim; Oja Acik, Ilona; Mere, Arvo; Katerski, Atanas; Krunks, Malle; Mikli, Valdek Proceedings of 13th International Conference of Young Scientists on Energy Issues : CYSENI 2016 : May 26-27 2016, Kaunas, Lithuania 2016 / p. VII-241 - VII-250

Noble metal nanoparticles for improvement of fluorescent and photovoltaic materials

Dolgov, Leonid; **Oja Acik, Ilona; Mere, Arvo; Krunks, Malle; Mikli, Valdek** The international summer school "Nanotechnology: from fundamental research to innovations" and International research and practice conference "Nanotechnology and nanomaterials" (NANO-2013), 25 August-1 September, 2013, Bukovel, Ukraine : book of abstracts 2013 / p. 352

Oht kosmosest ehk mis võib muuta elu Maal võimatuks? [1. osa]

Mars, Mario Minu Maailm 2015 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*est

On mathematical complexity of Sriyantra

Pustõnski, Vladislav-Venjamin Indian journal of history of science 2014 / p. 268-277 : ill

Optical properties of sprayed ZnO thin films

Unt, Tarmo; Kriisa, Merike; Mere, Arvo; Krunks, Malle Proceedings of CYSENI 2013 : the 10th Annual Conference of Young Scientists on Energy Issues, May 29-31, 2013, Kaunas, Lithuania 2013 / p. 482-489

Optical spectroscopy studies of Cu₂ZnSnSe₄ thin films

Yakushev, M. V.; Forbes, I.; Mudryi, A. V.; **Grossberg, Maarja; Krustok, Jüri; Beattie, N. S.**; Moynihan, M.; Rockett, A.; Martin, R. W. Thin solid films 2015 / p. 154-157 : ill <http://dx.doi.org/10.1016/j.tsf.2014.09.010>

Organic and carbon aerogels containing rare-earth metals : their properties and application as catalysts

Kreek, Kristiina; Kriis, Kadri; Maaten, Birgit; Uibu, Mai; Mere, Arvo; Kanger, Tõnis; Koel, Mihkel Journal of non-crystalline solids 2014 / p. 43-48 : ill

Photogrammetry of Apollo 11 surface imagery

Pustõnski, Vladislav-Venjamin; Jones, Eric M. Journal of the British Interplanetary Society 2014 / p. 390-398 : ill

Photoluminescence study of deep donor- deep acceptor pairs in Cu₂ZnSnS₄

Krustok, Jüri; Raadik, Taavi; Grossberg, Maarja; Kauk-Kuusik, Marit; Trifiletti, V.; Binetti, S. Materials science in semiconductor processing 2018 / p. 52-55 : ill <https://doi.org/10.1016/j.mssp.2018.02.025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Planeet 9

Mars, Mario Minu Maailm 2016 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*est

Plasmon resonance effect caused by gold nanoparticles formed on titanium oxide films

Tamm, Aile; **Oja Acik, Ilona; Krunks, Malle; Mere, Arvo** Thin solid films 2016 / p. 449-455 : ill <https://doi.org/10.1016/j.tsf.2016.08.059>

Plasmon-enhanced photocurrent by gold nanoparticles on extremely thin solar cells by chemical spray pyrolysis

Kärber, Erki; Katerski, Atanas; Oja Acik, Ilona; Mere, Arvo; Krunks, Malle Nanotechnology for Next Generation High Efficiency Photovoltaics : Spring International School & Workshop, Mao, Menorca, Balearic Islands (Spain), April 20-24, 2015 : book of abstracts 2015 / [1] p

Plasmonic control of light in thin film solar cell absorbers

Repän, Taavi; **Katerski, Atanas; Oja Acik, Ilona; Kärber, Erki; Mere, Arvo; Mikli, Valdek; Krunks, Malle;** Dolgov, Leonid; Sildos, Ilmo The International Summer School "Nanotechnology : from fundamental research to innovations" and International research and practice conference "Nanotechnology and nanomaterials" (NANO-2014), 23-30 August, 2014, Yaremche-Lviv, Ukraine : book of abstracts 2014 / p. 494

Plasmonic enhancement of light absorption in CuInS₂ layer doped by gold nanoparticles

Repän, Taavi; **Katerski, Atanas; Oja Acik, Ilona; Kärber, Erki; Mere, Arvo; Mikli, Valdek; Krunks, Malle;** Dolgov, Leonid; Sildos, Ilmo META'14 - Singapore : The 5th International Conference on Metamaterials, Photonic Crystals and Plasmonics : book of abstracts 2014

Plasmonic TiO₂:Au composite layers deposited in situ by chemical spray pyrolysis

Oja Acik, Ilona; Oyekoya, Gboyega Nathaniel; Mere, Arvo; Loot, Ardi; Dolgov, Leonid; **Mikli, Valdek; Krunks, Malle;** Sildos, Ilmo Surface and coatings technology 2015 / p. 27-31 : ill <http://dx.doi.org/10.1016/j.surfcoat.2015.01.036>

Pluuto - tuntuim päikesesüsteemi kääbusplaneet

Mars, Mario Minu Maailm 2015 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*est

Pooljuhtmaterjalide elektriliste parameetrite mõõtmine

Gavrilov, Aleksei 2011 http://www.ester.ee/record=b2714079*est

Pooljuhtmaterjalide põhiparameetrite mõõtmine

Gavrilov, Aleksei; Ruus, Tõnu 2005 https://www.ester.ee/record=b2067844*est

Portable spectrometer for ionizing radiation "Gammamapper" = Portatiivne ioniseeriva kiirguse spektromeeter "Gammamapper"

Sinivee, Veljo 2009 https://www.ester.ee/record=b2540320*est

Preparation of metal-doped carbon aerogels from oil shale processing by-products

Kreek, Kristiina; Kulp, Maria; Uibu, Mai; Mere, Arvo; Koel, Mihkel Oil shale 2014 / p. 185-194 : ill https://artiklid.elnet.ee/record=b2673721*est

Radiative recombination in $\text{Cu}_2\text{ZnSnSe}_4$ thin films with Cu deficiency and Zn excess

Yakushev, M. V.; Marquez-Prieto, J.; Forbes, I.; Edwards, P. R.; Zhivulko, V. D.; Mudryi, A. V.; **Krustok, Jüri;** Martin, R. W. Journal of physics D : applied physics 2015 / p. 1-7 : ill <http://dx.doi.org/10.1088/0022-3727/48/47/475109>

Raman spectroscopic study of In_2S_3 films prepared by spray pyrolysis

Kärber, Erki; Otto, Kairi; Katerski, Atanas; Mere, Arvo; Krunks, Malle Materials science in semiconductor processing 2014 / p. 137-142 : ill

Registration and measurement of low alternating voltages

Gavrilov, Aleksei Journal of multidisciplinary engineering science and technology (JMEST) 2016 / p. 4543-4544 : ill

Reliable smart electrical power supply for cubesat platforms

Pooler, V.; Priidel, Eiko; Sinivee, Veljo BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 215-218 : ill http://www.ester.ee/record=b2150914*est

Research on optoelectronic materials at Tallinn Technical University

Mellikov, Enn; Kukk, Peeter-Enn; Krustok, Jüri Eesti teadlaste kongress, 11.-15. augustini 1996. a. Tallinnas : ettekannete kokkuvõtted 1996 / lk. 263 https://www.ester.ee/record=b1052731*est

Researching moisture content in the massive limestone walls of medieval churches with the use of microwave sensors

Kurik, Lembit The Final Research Report of the project "Sustainable Management of Historic Rural Churches in the Baltic Sea Region (SMC)" 2013 / p. 79-101 : ill

Saturn - rõngastega iludus

Mars, Mario Minu Maailm 2016 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*est

Sb₂S₃ grown by ultrasonic spray pyrolysis and its application in a hybrid solar cell

Kärber, Erki; Katerski, Atanas; Oja Acik, Ilona; Mere, Arvo; Mikli, Valdek; Krunks, Malle Beilstein journal of nanotechnology 2016 / p. 1662-1673 : ill <http://dx.doi.org/10.3762/bjnano.7.158>

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>

Sissejuhatus kvantmehaanikasse : sissejuhatus kvantteooriasse. Kvantmehaanika alused

Loide, Rein-Karl 2007 https://www.ester.ee/record=b2300240*est

Standing and moving discrete breathers with frequencies above the phonon spectrum

Hižnjakov, Vladimir; Haas, Mati; Šelkan, Aleksander; **Klopov, Mihhail** Quodons in mica : nonlinear localized travelling excitations in crystals 2015 / p. 229-245 : ill http://dx.doi.org/10.1007/978-3-319-21045-2_9

Statistiline füüsika

Reiter, Eerik; Mankin, Romi 2014 https://www.ester.ee/record=b4443536*est

Structural and electrical properties of P-type NiO thin films deposited by spray pyrolysis

Vessart, R.; Unt, Tarmo; Mere, Arvo; Krunks, Malle Proceedings of the 11th International Conference of Young Scientists on Energy Issues : CYSENI 2014 : May 29-30, 2014, Kaunas, Lithuania 2014 / p. VII-290-VII-297

Structural and electrical properties of spray deposited copper indium disulphide films for solar cells =

Pihustussadestatud vaskindiumsulfiidkilede struktuursed ja elektrilised omadused ning rakendus päikesepatareides

Mere, Arvo 2006 https://www.ester.ee/record=b2132571*est

Study of kesterite solar cell absorbers by capacitance spectroscopy methods = Kesteriitsete päikesepatareide absorbermaterjalide uurimine mahtuvusspektroskoopiliste meetoditega

Kask, Erkki 2016 https://www.ester.ee/record=b4573390*est

Study of oxygen vacancy dynamics in Sc-doped ceria with NMR techniques = Hapniku vakantsi dünaamika uurimine Sc-lisandiga tseeriumdioksiidis TMR abil

Pöder, Reio 2015 https://www.ester.ee/record=b4494538*est

Supersymmetry : superfield equations of motion

Loide, Rein-Karl; Suurvarik, Pavel 3Quantum : Algebra Geometry Information (QQQ Conference 2012) : 10-13 July 2012, Tallinn, Estonia : dedicated to memory of Professor Jean-Louis Loday (1936-2012) 2014 / p. 1-7

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

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

Surface plasmon resonance in ZnO nanorod arrays caused by gold nanoparticles for solar cell application

Gromõko, Inga; Oja Acik, Ilona; Krunks, Malle; Dedova, Tatjana; Katerski, Atanas; Mere, Arvo; Mikli, Valdek; Vessart, Risto Physica status solidi (c) 2015 / p. 1338-1343 : ill <http://dx.doi.org/10.1002/pssc.201510103>

Sõbralik või vaenulik päike

Mars, Mario Minu Maailm 2016 / lk. 15 http://www.ester.ee/record=b3033179*est

Zinc oxide rods on different TCO substrates and seed layers by electrochemical deposition

Gromõko, Inga; Dedova, Tatjana; Krunks, Malle; Mikli, Valdek; Unt, Tarmo; Oja Acik, Ilona; Mere, Arvo Proceedings of the 11th International Conference of Young Scientists on Energy Issues : CYSENI 2014 : May 29-30, 2014, Kaunas, Lithuania 2014 / p. VII-298-VII-305

Zirconium doped TiO2 thin films deposited by chemical spray pyrolysis

Juma, Albert Owino; Oja Acik, Ilona; Oluwabi, Abayomi Titilope; Mere, Arvo; Mikli, Valdek; Danilson, Mati; Krunks, Malle Applied surface science 2016 / p. 539-545 : ill <http://dx.doi.org/10.1016/j.apsusc.2016.06.093>

ZnO nanorods grown electrochemically on different metal oxide underlays

Gromõko, Inga; Dedova, Tatjana; Krunks, Malle; Sõritski, Vitali; Mere, Arvo; Mikli, Valdek; Unt, Tarmo; Oja Acik, Ilona IOP conference series : materials science and engineering 2015 / p. 1-5 : ill <http://dx.doi.org/10.1088/1757-899X/77/1/012012>

ZnO nanostructures by chemical spray for next generation solar cells

Krunks, 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

Taeva valitsejad - Veenus ja Jupiter

Mars, Mario Minu Maailm 2015 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*est

Tallinna Tähetorn

2008

Tallinna Tähetorn

2008

Tallinna Tähetorn

2008

Tallinna Tähetorn

2008

Tallinna Tähetorn

2008

Tallinna Tähetorn

2004 https://www.ester.ee/record=b1688644*est

Tallinna Tähetorn

2005

Tallinna Tähetorn

2002

Tehniline ülikooliharidus reformituultes : kõne Eesti Vabariigi 94.astapäeva aktusel 22. veebruaril 2012 TTÜ aulas

Loide, Rein-Karl Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 242-246

Temperature dependent current transport properties in $\text{Cu}_2\text{ZnSnS}_4$ solar cells

Danilson, Mati; Kask, Erkki; Pokharel, Nikhil; Grossberg, Maarja; Kauk-Kuusik, Marit; Varema, Tiit; Krustok, Jüri Thin solid films 2015 / p. 162-165 : ill <http://dx.doi.org/10.1016/j.tsf.2014.10.069>

Temperature dependent electroreflectance study of CdTe solar cells

Raadik, Taavi; Krustok, Jüri; Josepson, Raavo; Hiie, Jaan; Potlog, Tamara; Spalatu, Nicolae Thin solid films 2013 / p. 279-282 : ill

Temperature-dependent photorefectance of SnS crystals

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

Terahertz spectroscopy of low-dimensional spin systems = Madalamööduliste spinnsüsteemide terahertsspektroskoopia

Hüvonen, Dan 2008 https://www.ester.ee/record=b2375139*est

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 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

Theory and molecular dynamics simulations of intrinsic localized modes and defect formation in solids

Hižnjakov, Vladimir; Haas, Mati; Šelkan, Aleksander; Klopov, Mihhail Physica scripta 2014 / p. 1-5 : ill

Thermal decomposition study of $\text{HAuCl}_4 \cdot 3\text{H}_2\text{O}$ and AgNO_3 as precursors for plasmonic metal nanoparticles

Otto, Kairi; Oja Acik, Ilona; Krunks, Malle; Tõnsuaadu, Kaia; Mere, Arvo Journal of thermal analysis and calorimetry 2014 / p. 1065-1072 : ill

Thermoanalytical study of precursors for tin sulfide thin films deposited by chemical spray pyrolysis

Polivtseva, Svetlana; Oja Acik, Ilona; Krunks, Malle; Tõnsuaadu, Kaia; Mere, Arvo Journal of thermal analysis and calorimetry 2015 / p. 177-185 : ill <http://dx.doi.org/10.1007/s10973-015-4580-6>

Tin sulfide films by spray pyrolysis technique using L-cysteine as a novel sulfur source

Polivtseva, Svetlana; Oja Acik, Ilona; Katerski, Atanas; Mere, Arvo; Mikli, Valdek; Krunks, Malle Physica status solidi (c) 2016 / p. 18-23 : ill <http://dx.doi.org/10.1002/pssc.201510098>

Transverse intrinsic localized modes in monatomic chain and in graphene

Hižnjakov, Vladimir; Klopov, Mihhail; Šelkan, Aleksander Physics letters A 2016 / p. 1075-1081 <http://dx.doi.org/10.1016/j.physleta.2016.01.011>

Tseoliitide ioonse juhtivuse uurimine : väitekirj ... loodusteaduste magistri kraadi taotlemiseks tehnilise füüsika erialal

Mere, Arvo 1996 https://www.ester.ee/record=b2680784*est

Täheparved

Mars, Mario Minu Maailm 2016 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*est

Tähtkujud

Mars, Mario Minu Maailm 2015 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*est

Tähtsamaid töid, hüpoteese, teooriaid, avastusi [ja tabelid]

Täppisteadused [TTÜs]

Loide, Rein-Karl 75 aastat Tallinna Tehnikaülikooli 1994 / lk. 41-45 https://www.ester.ee/record=b1066846*est

Ultra thin TiO₂ films with gold nanoparticles by the chemical spray pyrolysis method

Oja Acik, Ilona; Oyekoya, G.; Dedova, Tatjana; Mikli, Valdek; Mere, Arvo; Krunks, Malle; Dolgov, Leonid; Sildos, Ilmo Joint 12th Russia/CIS/Baltic/Japan Symposium on Ferroelectricity and 9th International Conference Functional Materials and Nanotechnologies : Institute of Solid State Physics, University of Latvia, September 29-October 2, Riga, Latvia : book of abstracts 2014 / p. 296

University satellite as an attraction for students

Pustõnski, Vladislav-Venjamin; Suurvarik, Pavel HOPE annual forum 2015 : Physics Studies in an Entrepreneurial and Innovative Global Perspective : programme and abstracts : Coimbra, Portugal, September 9-12, 2015 2015 / p. 19
http://hopenetwork.eu/sites/default/files/event/Booklet_9sept.pdf

Uraan - suur sinine hiidsilm

Mars, Mario Minu Maailm 2016 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*est

US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts

2008 http://www.ester.ee/record=b2373647*est

Valgus, mis reostab

Mars, Mario Horisont 2014 / lk. 50-53 : ill https://artiklid.elnet.ee/record=b2655919*est

Valgusreostust tekitav välisvalgustus

Mars, Mario Elektriala 2013 / lk. 26-27 : ill

Õppeteatmik 1994/1995

1994 https://www.ester.ee/record=b1053765*est

9. mail kõnnib Merkuur üle Päikese

Mars, Mario Minu Maailm 2016 / lk. 20-21 : ill http://www.ester.ee/record=b3033179*est

Индикатор неисправности ламп ближнего света в автомобиле

Gavrilov, Aleksei Радиолюбитель 2016 / с. 11

Локальная динамика кристаллов BaTiO₃ и SrTiO₃ с точечными дефектами замещения : диссертация на соискание ученой степени кандидата физико-математических наук

Klopov, Mihhail 1990 https://www.ester.ee/record=b4459466*est

Локальная динамика кристаллов BaTiO₃ и SrTiO₃с точечными дефектами замещения : автореферат ... кандидата физико-математических наук : (01.04.02)

Klopov, Mihhail 1990 https://www.ester.ee/record=b1224934*est

Направленное дефектообразование в соединениях группы AIBVI : автореферат диссертации на соискание ученой степени доктора химических наук (02.00.01)

Kukk, Peeter-Enn 1984 https://www.ester.ee/record=b1551469*est

Подвесной лодочный мотор с питанием от литиевого аккумулятора

Gavrilov, Aleksei Радио 2016 / с. 44-45 : ил http://www.ester.ee/record=b1097423*est

Применение формализма суперпроекторов в теории суперполевых уравнений движения : автореферат ... кандидата физико-математических наук (01.04.02)

Suurvarik, Pavel 1987 https://www.ester.ee/record=b1241185*est

Физика : рабочая тетрадь для 9 класса : учение о теплоте. Ядерная энергия

Pärtel, Enn; **Loide, Rein-Karl** 2014 https://www.ester.ee/record=b4448032*est

Физика : учение о теплоте : ядерная энергия : учебник для 9 класса

Pärtel, Enn; Lõhmus, Jaak; **Loide, Rein-Karl** 2014 https://www.ester.ee/record=b4424786*est