

Activation of photoconductivity in A2B6 powders

Altosaar, Mare; Mädasson, Jaan; Mellikov, Enn; Hiie, Jaan; Mädasson, Jaan vt.ka Raudoja, Jaan Chair of Semiconductor Materials Technology : activity report, 1988-1993 1994 / p. 21

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

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

Band positions and electrochemistry of CdSe(x)Te(1-x) semiconductor electrodes

Wirts, Christian; Altosaar, Mare; Krunks, Malle; Varema, Tiit; Mellikov, Enn; Meissner, Dieter Abstracts of the First Gerischer Symposium on Semiconductor Electrochemistry, 1999 1999 / p. 8

CdS and CdSe microphotonresistor for optoelectronics

Altosaar, Mare; Kukk, Peeter-Enn; Mellikov, Enn; Valdna, Vello 9th International Symposium of the Technical Committee on Photon-Detectors, Visegrad, 9 - 12 september 1980 : proceedings International Measurement Confederation IMEKO : [abstracts] 1980 / p. 12-13

CdS monograin layers as detector of visible and X-rays

Hiie, Jaan; Iljina, Natalja; Kukk, Peeter-Enn; Mellikov, Enn; Varema, Tiit 9th International Symposium of the Technical Committee on Photon-Detectors ; Visegrad, 9 - 12 september 1980 1980 / p. 8-9

CdSe nanofiber and nanohorn structures on ITO substrates fabricated by electrochemical deposition

Kois, Julia; Gurevitš, Jelena; Bereznev, Sergei; Volobujeva, Olga; Öpik, Andres; Mellikov, Enn Applied surface science 2013 / p. 982-985 : ill

Chair of Semiconductor Materials Technology : activity report 1988-1993

1994 https://www.ester.ee/record=b1065473*est

Characterisation of ultrasonically sprayed InxSy buffer-layers for Cu(In,Ga)Se2 solar cells

Ernits, Kaia; Bremaud, D.; Mellikov, Enn Thin solid films 2007 / 15, p. 6051-6054
<https://www.sciencedirect.com/science/article/abs/pii/S0040609006016178>

Characterization of Cu2ZnSnSe4 monograin layer solar cells

Altosaar, Mare; Timmo, Kristi; Danilson, Mati; Raudoja, Jaan; Mellikov, Enn Proceedings of the International Conference on Solar Cells : IC-SOLACE 2008 : January 21-23, 2008, Cochin, India 2008 / p. 103-105 : ill

Characterization of polysaccharide gels by gradient NMR and microscopy methods : a comparative study

Tuvikene, Rando; Matsukawa, Shingo; Ogawa, Hiroo; Robal, Marju; Truus, Kalle; Volobujeva, Olga; Mellikov, Enn IUPAC International Congress on Analytical Sciences 2011 : 22-26 May 2011, Kyoto, Japan 2011 / p. 23P195

Chemical bath deposition of SnS thin films from the solutions with different concentrations of tin and sulphur

Safonova, Maria; Mellikov, Enn; Mikli, Valdek; Kerm, Karin; Naidu, Revathi; Volobujeva, Olga Inter Academia 2014 - Global Research and Education 2015 / p. 183-186 : ill <http://dx.doi.org/10.4028/www.scientific.net/AMR.1117.183>

Chemical bath deposition of SnS thin films on ZnS and CdS substrates

Safonova, Maria; Nair, Padmanabhan Pankajakshy Karunakaran; Mellikov, Enn; Garcia, A. R.; Kerm, Karin; Revathi, Naidu; Romann, Tavo; Mikli, Valdek; Volobujeva, Olga Journal of materials science : materials in electronics 2014 / p. 3160-3165 : ill

Chemical etching of Cu2ZnSn(S,Se)4 monograin powder

Timmo, Kristi; Altosaar, Mare; Raudoja, Jaan; Grossberg, Maarja; Danilson, Mati; Volobujeva, Olga; Mellikov, Enn 35th IEEE Photovoltaic Specialists Conference : Honolulu, HI, June 20-25, 2010 : conference proceedings 2010 / p. 1982-1985 : ill

Chemical purity of chemically sprayed thin films

Bijakina, Olga; Krunks, Malle; Mellikov, Enn EUROMAT 99. Volume 9, Interface controlled materials 2000 / p. 85-89

Chemistry and materials science - high level learning via research and practical training

Meissner, Dieter; Mellikov, Enn; Öpik, Andres; Burk, Peeter; Lust, Enn 6th Eurovariety in Chemistry Education 2015 : Chemistry Education for Responsible Citizenship and Employability : June, 30-July, 2, 2015, Tartu, Estonia 2015 / p. 43-45

Combined SEM microscopic and spectroscopic study of selenization of thin metallic films

Volobujeva, Olga; Mellikov, Enn First Joint Meeting of Dreiländertagung and Multinational Congress on Microscopy. 3, Materials science 2009 / p. 449-450 : ill

Comparative study of isothermal grain growth of CdS and CdTe in the presence of halide fluxes

Hiie, Jaan; Altosaar, Mare; Mellikov, Enn Solid state phenomena 1999 / Polycrystalline Semiconductors V : Bulk Materials, Thin

Films and Devices : Proceedings of the Fifth International Conference, held in Schwäbisch Gmünd, Germany, September 13-18, 1998, p. 303-308

Comparative study of isothermal grain growth of CdS and CdTe in the presence of halide fluxes at low temperatures

Hiie, Jaan; Altosaar, Mare; Mellikov, Enn Abstracts of the International Conference POLYSe'98 : Polycrystalline Semiconductors - Bulk Materials, Thin Films and Devices, 13-18 Sept. 1998, Schwäbisch Gmünd, Germany 1998 / p. O24

Comparison of CdS films deposited from chemical baths containing different doping impurities

Altosaar, Mare; Ernits, Kaia; Krustok, Jüri; Varema, Tiit; Raudoja, Jaan; Mellikov, Enn Thin solid films 2005 / p. 147-150 : ill

Composition and structure of CuInS₂ films prepared by spray pyrolysis

Krunk, Malle; Mikli, Valdek; Bijakina, Olga; Rebane, Helen; Mere, Arvo; Varema, Tiit; Mellikov, Enn Thin solid films 2000 / p. 61-64 : ill

Composition and structure of CuInS₂ films prepared by spray pyrolysis

Krunk, Malle; Mikli, Valdek; Bijakina, Olga; Rebane, Helen; Mere, Arvo; Varema, Tiit; Mellikov, Enn EMRS Spring Meeting : Strasbourg, June 1-4, 1999 : book of abstracts 1999 / p. O-13

Conductive polymer PEDOT:PSS back contact for CdTe solar cell

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

Conductivity conversion in CdTe layers

Valdna, Vello; Buschmann, Felix; Mellikov, Enn Journal of crystal growth 1996 / p. 164-167: ill

Controlled formation of optoelectronic materials in the form of monograin powders

Mellikov, Enn; Hiie, Jaan; Altosaar, Mare Abstracts of the 2nd European Conference on Advanced Materials and Processes 1991 / p. 292-293

Copper sulfides by chemical spray pyrolysis process

Krunk, Malle; Mellikov, Enn; Bijakina, Olga Abstracts of 17th Nordic Semiconductor Meeting, June 17-20, 1996, Trondheim, Norway 1996 / p. 62-63

Copper sulfides by chemical spray pyrolysis process

Krunk, Malle; Mellikov, Enn; Bijakina, Olga Physica scripta 1997 / p. 189-192

Cost-effective sprayed CuInS₂ films for solar cells

Krunk, Malle; Kijatkina, Olga; Blums, J.; Oja, Ilona; Mere, Arvo; Mellikov, Enn Seventeenth European Photovoltaic Solar Energy Conference : proceedings of the International Conference held in Munich, Germany, 22-26 October, 2001. Volume II 2002 / p. 1211-1214 : ill

Crucial gel-forming processes of red algal galactans [Electronic resource]

Tuvikene, Rando; Truus, Kalle; Volobujeva, Olga; Mellikov, Enn; Pehk, Tõnis World Polymer Congress : 41st International Symposium on Macromolecules : MACRO 2006 : 16-21 July 2006, Rio de Janeiro, Brazil 2006 / [CD-ROM]

CZTS (Cu₂ZnSnSe₄) crystal growth for use in monograin membrane solar cells

Klavina, Inga; Raudoja, Jaan; Altosaar, Mare; Mellikov, Enn; Meissner, Dieter; Kaljuvee, Tiit Conference proceedings of the Conference of Young Scientists on Energy Issues : Kaunas, Lithuania, 27-28 May, 2010 2010 / p. VII 345 - VII 353

CZTS monograin powders and thin films

Mellikov, Enn; Meissner, Dieter; Altosaar, Mare; Kauk, Marit; Krustok, Jüri; Öpik, Andres; Volobujeva, Olga; Iljina, Julia; Timmo, Kristi; Klavina, J.; Raudoja, Jaan; Grossberg, Maarja; Varema, Tiit; Muska, Katri; Ganchev, Maxim; Bereznev, Sergei; Danilson, Mati Advanced materials research 2011 / p. 8-13

Cu₂Zn_{1-x}CdSn(Se_{1-y}Sy)₄ solid solutions as absorber materials for solar cells

Altosaar, Mare; Raudoja, Jaan; Timmo, Kristi; Danilson, Mati; Grossberg, Maarja; Krustok, Jüri; Mellikov, Enn Physica status solidi (a) : applications and materials science 2008 / 1, p. 167-170 : ill

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

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

Cu₂ZnSnSe₄ monograin powders for solar cell application [Electronic resource]

Altosaar, Mare; Raudoja, Jaan; Timmo, Kristi; Danilson, Mati; Grossberg, Maarja; Krunk, Malle; Varema, Tiit; Mellikov, Enn 2006 IEEE 4th World Conference on Photovoltaic Energy Conversion - WCPEC 2006 / [CD-ROM]

Cu₂ZnSnSe₄ thin films by selenization of stacked binaries

Volobujeva, Olga; Mellikov, Enn; Bereznev, Sergei; Raudoja, Jaan; Otto, Kairi; Pilvet, Maris; Raadik, Taavi E-MRS Spring Meeting 2012 - Symposium B : Strasbourg, France, May 14-18, 2012 : program and abstract book 2012 / p. 20

Cu₂ZnSnSe₄ thin films produced by selenization of Cu-Zn-Sn composition precursor films

Volobujeva, Olga; Mellikov, Enn; Bereznev, Sergei; Raudoja, Jaan; Öpik, Andres; Raadik, Taavi Materials Challenges in Alternative and Renewable Energy: a collection of papers presented at the Materials Challenges in Alternative and Renewable Energy Conference February 21-24, 2010, Cocoa Beach, Florida 2011 / p. 257-263

Cu₂(Zn_xSn_{2-x})(SySe_{1-y})₄ monograin materials for photovoltaics

Mellikov, Enn; Altosaar, Mare; Raudoja, Jaan; Timmo, Kristi; Volobujeva, Olga; Kauk, Marit; Krustok, Jüri; Varema, Tiit; Grossberg, Maarja; Danilson, Mati; Muska, Katri; Ernits, Kaia; Lehner, Franz; Meissner, Dieter Materials Challenges in Alternative and Renewable Energy: a collection of papers presented at the Materials Challenges in Alternative and Renewable Energy Conference February 21-24, 2010, Cocoa Beach, Florida 2011 / p. 137-142 : ill

Cu-In and Cu-Zn-Sn films as precursors for production of CuInSe₂ and Cu₂ZnSnSe₄ thin films

Volobujeva, Olga; Mellikov, Enn; Raudoja, Jaan; Bereznev, Sergei; Pilvet, Maris Thin-film compound semiconductor photovoltaics - 2009 2009 / p. M05-40

CuInS₂ thin films: formation by spray pyrolysis and properties

Krunks, Malle; Bijakina, Olga; Mikli, Valdek; Mellikov, Enn The Fourth Baltic Symposium on Atomic Layer Epitaxy, Tartu, Estonia, October 10-11, 1997 : abstracts 1997 / p. 30

CuInS₂/PEDOT photovoltaic structure

Bereznev, Sergei; Konovalov, Igor; Kois, Julia; Mellikov, Enn; Öpik, Andres Organic and Polymeric Materials and Devices : symposium held April 22-25, 2003, San Francisco, California, USA 2003 / p. 243-248 : ill

CuInS₂-Poly(3-(ethyl-4-butanoate)thiophene) nanocomposite solar cells : preparation by an in situ formation route, performance and stability issues

Maiera, Eugen; Ratha, Thomas; Haas, Wernfried; Werzer, Oliver; Saf, Robert; Hofer, Ferdinand; Meissner, Dieter; Volobujeva, Olga; Bereznev, Sergei; Mellikov, Enn; Amenitsch, Heinz; Resel, Roland; Trimmel, Gregor Solar energy materials and solar cells 2011 / p. 1354-1361 : ill

CuInSe₂ monograin growth in CuSe-Se liquid phase

Altosaar, Mare; Mellikov, Enn Japanese journal of applied physics 2000 / p. 65-66

CuInSe₂ monograin growth in CuSe-Se liquid phase

Altosaar, Mare; Mellikov, Enn Twelfth International Conference on Ternary and Multinary Compounds : March 13-17, 2000 : National Tsing Hua University, Hsinchu, Taiwan : abstract[s] 2000 / p. Th-A4-7

CuInSe₂ monograin growth in the liquid phase of potassium iodide

Timmo, Kristi; Altosaar, Mare; Kauk, Marit; Raudoja, Jaan; Mellikov, Enn Thin solid films 2007 / 15, p. 5884-5886
<https://www.sciencedirect.com/science/article/pii/S0040609006016385>

CuInSe₂/polyaniline photovoltaic structure

Bereznev, Sergei; Kois, Julia; Mellikov, Enn; Öpik, Andres Proceedings of Baltic Polymer Symposium 2001 : Oct. 11-12 in Tallinn 2001 / p. 148-154 : ill

CuInSe₂/polypyrrole photovoltaic structure prepared by electrodeposition

Bereznev, Sergei; Kois, Julia; Mellikov, Enn; Öpik, Andres; Meissner, Dieter Seventeenth European Photovoltaic Solar Energy Conference : proceedings of the International Conference held in Munich, Germany, 22-26 October, 2001. Volume I 2002 / p. 160-163 : ill

CuInSe₂/polypyrrole (polyaniline) photovoltaic structures

Bereznev, Sergei; Kois, Julia; Mellikov, Enn; Öpik, Andres; Meissner, Dieter Proceedings of the 14th Workshop on Quantum Solar Energy Conversion : QUANTSOL 2002, March 17-23, 2002, Rauris, Österreich 2002 / [2] p. : ill

Defects in Cl and Na doped CdTe monograin powders

Altosaar, Mare; Kukk, Peeter-Enn; Raudoja, Jaan; Mellikov, Enn E-MRS Spring Meeting : Strasbourg, 1999 : abstracts 1999 / p. O-32

Department of Materials Technology

Valdma, Leo; Kübarsepp, Jakob; Kulu, Priit; Tümanok, Aleksei; Mellikov, Enn; Vallaste, Heikki Research activities / Tallinn Technical University 1993 / p. 13-16 https://www.ester.ee/record=b1053754*est

Direct electrodeposition of CuInSe₂ thin films

Kois, Julia; Altosaar, Mare; Mellikov, Enn; Kemell, M.; Saloniemi, H.; Ritala, M.; Leskelä, M. E-MRS Spring Meeting : Strasbourg, 1999 : abstracts 1999 / p. O-19

Eesti Materjalitehnika Ühing

Mellikov, Enn; Kulu, Priit 10 aastat Eesti Inseneride Liitu : 1988-1998 1998 / lk. 26-28

Eesti Vabariigi teaduspreemia pikaajalise tulemusliku teadus- ja arendustöö eest : [akadeemik Enn Mellikovile]

Mellikov, Enn Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 325-330

Ekstraktsioon ja keemiline töötlus kõrgekvaliteetsete karraginaanide saamiseks

Tuvikene, Rando; Robal, Marju; Ikart, A.-L.; Truus, K.; **Mellikov, Enn; Pehk, Tõnis** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 169-170

Electrochemical deposition of compound semiconductor thin films

Altosaar, Mare; Mellikov, Enn; Kois, Julia; Guo, Yeping; Meissner, Dieter Electrochemical Society proceedings. Vol. 97-20, The 1997 Joint International Meeting of the Electrochemical Society and the International Society of Electrochemistry 1997 / p. 11-15

Electrochemical deposition of CuInSe₂

Kois, Julia; Kemell, M.; Saloniemi, H.; Ritala, M.; **Altosaar, Mare; Mellikov, Enn** 2nd Baltic Conference on Electrochemistry : Palanga, Lithuania, 10-12 June : extended abstracts 1999 / p. 87

Electrochemical deposition of CuInSe₂ thin films for photovoltaic applications = CuInSe₂ õhukesed kiled elektrokeemilise sadestamise meetodil

Kois, Julia 2006

Electrochemical etching of copper indium diselenide surface

Kois, Julia; Bereznev, Sergei; Volobujeva, Olga; Mellikov, Enn Thin solid films 2006 / 15, p. 5871-5875 : ill

Electrochemical synthesis of CdSe/CdTe nanowires for hybrid photovoltaic structures

Gurevitš, Jelena; Bereznev, Sergei; Mikli, Valdek; Naidu, Revathi; Mellikov, Enn; Kois, Julia MRS proceedings 2014 / [6] p. : ill
<https://doi.org/10.1557/opl.2014.576>

Electrochemical synthesis of CdSe/CdTe nanowires for hybrid photovoltaic structures

Gurevitš, Jelena; Kois, Julia; Bereznev, Sergei; Mellikov, Enn; Öpik, Andres 2014 MRS Spring Meeting & Exhibit : April 21-25, 2014, San Francisco, California : program. Symposium UU, Semiconductor Nanowires-Synthesis, Properties and Applications 2014 / [1] p

Electrocrystallization of CdSe from aqueous electrolytes : structural arrangement from thin films to self-assembled nanowires

Kois, Julia; Bereznev, Sergei; Volobujeva, Olga; Gurevitš, Jelena; Mellikov, Enn Journal of crystal growth 2011 / p. 9-12 : ill

Electrodeposited CDSE nanomatrix for hybrid polymer solar cells

Gurevitš, Jelena; Bereznev, Sergei; Mikli, Valdek; Naidu, Revathi; Öpik, Andres; Mellikov, Enn; Kois, Julia Baltic Polymer Symposium 2015 : Sigulda, Latvia, September 16-18 : programme and proceedings 2015 / p. 96 : ill

Electrodeposited (Cu-In-Se)/polypyrrole PV structures

Bereznev, Sergei; Kois, Julia; Golovtsov, Igor; Öpik, Andres; Mellikov, Enn Thin solid films 2006 / p. 425-429 : ill

Electrodeposition and characterization of CuInSe₂ for applications in thin film solar cells

Kois, Julia; Bereznev, Sergei; Volobujeva, Olga; Mellikov, Enn Conference on Knowledge-based Materials and Technologies for Sustainable Chemistry : 1-5 June 2005, Tallinn, Estonia : abstract book 2005 / p. 93

Electrodeposition of CdSe nanofibers as photo-active matrix for polymer solar cells

Kois, Julia; Bereznev, Sergei; Gurevitš, Jelena; Mellikov, Enn; Öpik, Andres Baltic Polymer Symposium 2013 : Trakai, Lithuania, September 18-21, 2013 : programme [and abstracts] 2013 / p. 122

Electrodeposition of CdSe nanomatrix for hybrid solar cells

Bereznev, Sergei; Gurevitš, Jelena; Kois, Julia; Mellikov, Enn 12th International Conference on Nanosciences & Nanotechnologies : 7-10 July 2015, Porto Palace Conference Centre & Hotel, Thessaloniki, Greece : book of abstracts 2015 / p. 166

Electrodeposition of CuInSe₂ thin films onto Mo-glass substrates

Kois, Julia; Bereznev, Sergei; Mellikov, Enn; Öpik, Andres Thin solid films 2006 / p. 420-424 : ill

Elektrokeemilised CuInS₂/polüüpürrool fotovolt struktuurid

Bereznev, Sergei; Konovalov, Igor; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 19

Elektrokeemilised CuInSe₂/polüüpürrool struktuurid päikeseenergeetikale

Bereznev, Sergei; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres**; Meissner, Dieter XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 16-17

EMSS - an historical overview

Mellikov, Enn Euromaterials 1997 / p. 10-11

Energy materials

Mellikov, Enn; **Öpik, Andres**; Lust, Enn; Jänes, Alar Research in Estonia : present and future 2011 / p. 120-145 : ill

Energy of excitons in CuInS₂ single crystals

Yakushev, M.V.; Mudryi, A.V.; Victorov, I.V.; **Krustok, Jüri**; **Mellikov, Enn** Applied physics letters 2006 / 1, [3] p

Flexible solar cells based on copper tape : hybrid organic-inorganic structures

Bereznev, Sergei; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres** Proceedings of the IASTED International Conference Energy and Power Systems : March 29-31, 2006, Chiang Mai, Thailand 2006 / p. 161-164 : ill

https://www.researchgate.net/publication/288789183_Flexible_solar_cells_based_on_copper_tape_Hybrid_organic-inorganic_structures

Formation and properties of chemically sprayed ZnO films

Krunk, Malle; **Mellikov, Enn**; **Bijakina, Olga**; **Varema, Tiit**; Meissner, Dieter Optical organic and semiconductor inorganic materials 1997 / p. 129-134

Formation and properties of chemically sprayed ZnO films

Krunk, Malle; **Mellikov, Enn**; **Bijakina, Olga**; **Varema, Tiit**; Meissner, Dieter International Conference Advanced Optical Materials and Devices, Riga, 1996 1996 / p. 193

Formation of A II B VI films by spray pyrolysis

Krunk, Malle; **Mellikov, Enn**; **Sork, Eeve**; **Iljina, Natalja** Journal of materials and product. technology 1991

Formation of A₂B₆ films by spray pyrolysis

Krunk, Malle; **Mellikov, Enn** Chair of Semiconductor Materials Technology : activity report, 1988-1993 1994 / p. 28-30

Formation of CdS and CdZnS films by spray pyrolysis

Krunk, Malle; **Mellikov, Enn**; **Sork, Eeve** 11th International Symposium on Photon-Detectors, Weimar, September, 11-13, 1984 1984 / S. 24

Formation of CdS films by spray pyrolysis

Krunk, Malle; **Mellikov, Enn**; **Sork, Eeve** Thin solid films 1986 / p. 105-109

<https://www.sciencedirect.com/science/article/abs/pii/0040609086902579> https://www.ester.ee/record=b1202480*est

Formation of CdS thin films by spray pyrolysis

Krunk, Malle; **Mellikov, Enn**; **Iljina, Natalja**; **Sork, Eeve** Международная конференция Химия твердого тела. Т. 2 1990 / с. 152

Formation of Cu₂ZnSnSe₄ thin films by selenization of electrodeposited stacked binary alloy layers

Ganchev, Maxim; **Kaupmees, Liina**; **Iljina, Julia**; **Raudoja, Jaan**; **Altosaar, Mare**; **Volobujeva, Olga**; **Mellikov, Enn**; **Varema, Tiit**; **Dikov, H.** Proceedings of EMRS, Strasbourg, June 2009 2009 / ? p

Formation of Cu₂ZnSnSe₄ thin films by selenization of electrodeposited stacked binary alloy layers

Ganchev, Maxim; **Kaupmees, Liina**; **Iljina, Julia**; **Raudoja, Jaan**; **Volobujeva, Olga**; **Dikov, H.**; **Altosaar, Mare**; **Mellikov, Enn**; **Varema, Tiit** Energy procedia 2010 / 1, p. 65-70 : ill

Formation of CuI₂ZnSnS₄ and CuI₂ZnSnSe₄ by chalcogenisation of electrochemically deposited precursor layers = CuI₂ZnSnS₄ ja CuI₂ZnSnS₄ moodustumine elektrokeemiliselt sadestatud kihtide kalkogeniseerimisel

Lehner, Julia 2014 https://www.ester.ee/record=b3080859*est

Formation of CuInS₂ thin films by chemical spray pyrolysis

Krunk, Malle; **Bijakina, Olga**; **Mellikov, Enn**; **Varema, Tiit** Ternary and Multinary Compounds : proceedings of the 11th International Conference on Ternary and Multinary Compounds, ICTMC-11, University of Salford, 8-12 September 1997 1998 / p. 325-328: ill

Formation of CuInS₂ thin films by chemical spray pyrolysis

Krunk, Malle; **Bijakina, Olga**; **Mellikov, Enn**; **Varema, Tiit** Book of Abstracts of the 11th International Conference on Ternary &

Formation of photosensitivity in CdSexTe1-x monograin powders

Altosaar, Mare; Krustok, Jüri; Mädasson, Jaan; Mellikov, Enn Book of Abstracts of the 11th International Conference on Ternary & Multinary Compounds, 8-12 September 1997, Salford, England 1997 / p. 1.45

Formation of photosensitivity in CdSexTe1-x monograin powders

Altosaar, Mare; Krustok, Jüri; Mädasson, Jaan; Mellikov, Enn; Kuk, Peeter-Enn Ternary and Multinary Compounds : proceedings of the 11th International Conference on Ternary and Multinary Compounds, ICTMC-11, University of Salford, 8-12 September 1997 1998 / p. 553-556: ill

Fundamental studies for improved photovoltaic materials and devices

Mellikov, Enn; Krunks, Malle; Altosaar, Mare; Krustok, Jüri; Valdna, Vello Proceedings of International Conference QUANTSOL'99 : Wildhaus, Switzerland, 1999 1999 / p. 41-45

Further developments in CIS monograin layer solar cells technology

Altosaar, Mare; Danilson, Mati; Kauk, Marit; Krustok, Jüri; Mellikov, Enn; Raudoja, Jaan; Timmo, Kristi; Varema, Tiit Solar energy materials and solar cells 2005 / p. 25-32 : ill

Glass/ITO/In(O,S)/CuIn(S,Se)2 solar cell with conductive polymer window

Kois, Julia; Bereznev, Sergei; Raudoja, Jaan; Mellikov, Enn; Öpik, Andres The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6-9, 2004 : abstracts 2004 / p. 44

Glass/ITO/In(O,S)/CuIn(S,Se)2 solar cell with conductive polymer window layer

Kois, Julia; Bereznev, Sergei; Raudoja, Jaan; Mellikov, Enn; Öpik, Andres Solar energy materials and solar cells 2005 / p. 657-665 : ill

Group II-VI downconverting phosphors

Valdna, Vello; Gavrish, T.; Hiie, Jaan; Mellikov, Enn; Mere, Arvo Materials Research Society symposia proceedings series 1997 / p. 463-466: ill

Group II-VI downconverting phosphorus

Valdna, Vello; Gavrish, T.; Hiie, Jaan; Mellikov, Enn; Mere, Arvo MRS Fall Meeting, Boston, 1996 : abstracts 1996 / [1] p

Growth and recrystallization of CuInS2 films in spray pyrolytic process

Krunks, Malle; Mikli, Valdek; Bijakina, Olga; Varema, Tiit; Mellikov, Enn Ninth International Conference on Solid Films and Surfaces : ICSFS-9 : July 6th - 10th, 1998, Copenhagen, Denmark : final program & the book of abstracts 1998 / p. P1.CG.13

Growth and recrystallization of CuInS2 films in spray pyrolytic process

Krunks, Malle; Mikli, Valdek; Bijakina, Olga; Mellikov, Enn Applied surface science 1999 / p. 356-361: ill

Growth kinetics of semiconducting materials with monocrystalline grain structure

Hiie, Jaan; Mellikov, Enn Mat Tech '91 : The Second European East-West Symposium of Materials and Processes, May 26-30, 1991 : abstracts 1991 / p. 248

Growth of CdTe monograin powders

Hiie, Jaan; Altosaar, Mare; Mellikov, Enn; Kuk, Peeter-Enn; Sapogova, J.; Meissner, Dieter Physica scripta 1997 / p. 155-158: ill

Growth of CZTS-based monograins and their application to membrane solar cells

Mellikov, Enn; Altosaar, Mare; Kauk-Kuusik, Marit; Timmo, Kristi; Meissner, Dieter; Grossberg, Maarja; Krustok, Jüri; Volobujeva, Olga Copper zinc tin sulfide-based thin film solar cells 2015 / p. 289-309 : ill

Heterojunctions on ZnS base as detectors of ultraviolet rays

Kulcha, A.; Lomako, V.; Hiie, Jaan; Mellikov, Enn 11th International Symposium on Photon-Detectors, Weimar, September, 11-13, 1984 1984 / S. [25]

High efficient photovoltaics in Estonia

Altosaar, Mare; Bereznev, Sergei; Kauk, Marit; Krunks, Malle; Krustok, Jüri; Mellikov, Enn; Raudoja, Jaan; Varema, Tiit Proc. 3rd Workshop held at JRC Ispra, 2-3 Oct. 2003 2004 / p. 179-190

High photosensitivity monograin materials and devices

Mellikov, Enn; Hiie, Jaan; Varema, Tiit Chair of Semiconductor Materials Technology : activity report, 1988-1993 1994 / p. 22

Higher education and science reform (HESR) program advances materials research in Estonia

Mellikov, Enn; Öpik, Andres MRS bulletin 1999 / 10, p. 6-8

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

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

Hollandlased kavandavad Eestisse päikesepatareide tehas : [Hollandi klaasifirma koostööst Tallinna Tehnikaülikooliga : Enn Mellikovi kommentaariga]

Tänavsuu, Toivo; **Mellikov, Enn** Eesti Päevaleht 2005 / 1. juuni, Ärileht, lk. 4 : fot <https://www.postimees.ee/1479305/hollandlased-kavandavad-eestisse-paikesepatareide-tehas>

Honda stipendiumifond tulevikutehnoloogiate inseneridele : [19. apr. TTÜ ja Honda Motor Europe Ltd ühisüritusest, kus Honda esindaja andis üle stipendiumifondi noorteadlaste toetamiseks : ka M.Tamre ja E.Mellikovi sõnavõttudest]

Lehtmets, Maris; Tamre, Mart; Mellikov, Enn Mente et Manu 2006 / 26. apr., lk. 1 : fot https://www.ester.ee/record=b1242496*est

Hybrid copper-indium disulfide polypyrrole/photovoltaic structures prepared by electrodeposition

Bereznev, Sergei; Konovalov, Igor; Öpik, Andres; Kois, Julia; Mellikov, Enn Solar energy materials and solar cells 2005 / p. 197-206 : ill

Hybrid solar cells based on CuInS₂ and organic buffer-sensitizer layers

Bereznev, Sergei; Koeppe, R.; Konovalov, Igor; Kois, Julia; Günes, S.; Öpik, Andres; Mellikov, Enn; Sariciftci, N.S. Thin solid films 2006 / 15, p. 5759-5762 : ill

Hybrid solar cells based on inorganic photoabsorbers and organic functional layers

Bereznev, Sergei; Mellikov, Enn; Öpik, Andres Book of abstracts OP 2007 : 7th International Conference on Optical Probes of p-Conjugated Polymers and Functional Self-Assemblies : Turku, Finland, 11-15 June 2007 2007 / p. 107

Hybrid solar cells based on inorganic thin film structures and conjugated polymers

Kois, Julia; Bereznev, Sergei; Raudoja, Jaan; Mellikov, Enn; Öpik, Andres Proceedings of SPIE 2005 / Optical materials and applications, p. 59460V-1 - 59460V-6 : ill

Hydrogen interaction with point defects in the Si-SiO₂ structures and its influence on the interface properties

Kropman, Daniel; Mellikov, Enn; Kärner, T.; Ugaste, Ülo; Laas, Tõnu; Heinmaa, I.; Abru, Uno; Medvid, A. Solid state phenomena 2008 / p. 345-350

Impact of vacuum and nitrogen annealing on HVE SnS photoabsorber films

Revathi, Naidu; Loooris, Mihkel; Kärber, Erki; Volobujeva, Olga; Raudoja, Jaan; Maticiuc, Natalia; Bereznev, Sergei; Mellikov, Enn Materials science in semiconductor processing 2017 / p. 252-257 : ill <https://doi.org/10.1016/j.mssp.2017.08.004>

Impurity interaction with point defects in the Si-SiO₂ structures and its influence on the interface properties

Kropman, Daniel; Mellikov, Enn; Kärner, T.; Ugaste, Ülo; Laas, Tõnu; Heinmaa, I.; Medvid, A. Materials science and engineering : B 2006 / p. 222-226 : ill <https://www.sciencedirect.com/science/article/pii/S0921510706004375>

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

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

Influence of conductive polymer deposition on photovoltaic properties of prospective inorganic photoabsorber CuInS₂ in solar cell

Bereznev, Sergei; Kois, Julia; Mellikov, Enn; Öpik, Andres; Verbitsky, Anatoly; Vertsimakha, Yaroslav Proceedings of the Third IASTED Asian Conference Power and Energy Systems : April 2-4, 2007, Phuket, Thailand 2007 / p. 232-235
https://www.researchgate.net/publication/288795301_Influence_of_conductive_polymer_deposition_on_photovoltaic_properties_of_prospective_inorganic_photoabsorber_CuInS2_in_solar_cell

Influence of Na doping on opto-electrical properties of CdTe:Cl

Altosaar, Mare; Kuk, Peeter-Enn; Raudoja, Jaan; Krustok, Jüri; Krunks, Malle; Mellikov, Enn; Raudoja, Jaan vt.ka Mäddasson, Jaan 11th International Photovoltaic Science and Engineering Conference : Sept. 20-24/1999, Hokkaido, Japan : technical digest 1999 / p. 457-458: ill

Influence of pH and deposition potentials on composition and morphology of CdSe films

Kois, Julia; Volobujeva, Olga; Bereznev, Sergei; Mellikov, Enn EMRS-2009 Spring Meeting, Strasbourg, France, 8-12 of June 2009, Symposium B 2009 / p. 50

Interaction between point defects in the Si-Si=2 system

Kropman, Daniel; Kärner, T.; Samoson, Ago; Heinmaa, I.; Mellikov, Enn Nuclear instruments & methods in physics research. Section B 2002 / p. 78-82

Interaction between point defects in the Si-SiO₂ system during the process of its formation

Kropman, Daniel; Kärner, T.; Samoson, Ago; Heidmaa, I.; Ugaste, Ülo; **Mellikov, Enn** Defect and Diffusion Forum 2001 / p. 1737-1744

Interaction between point defects, extended defects and impurities in the Si-SiO₂ system during the process of its formation

Kropman, Daniel; Kärner, T.; Abru, Uno; Ugaste, Ülo; **Mellikov, Enn** Thin solid films 2004 / 1/2, p. 53-57 : ill

Interaction between point defects, extended defects and impurities in the Si-SiO₂ system during the process of its formation

Kropman, Daniel; Kärner, T.; Abru, Uno; Ugaste, Ülo; **Mellikov, Enn**; **Kauk, Marit** Materials science and engineering : B 2004 / p. 295-298 : ill

Interaction of point defects with impurities in the Si-SiO₂ system and its influence on the interface properties

Kropman, Daniel; Mellikov, Enn; Kärner, Tiit; Heinmaa, Ivo; Laas, Tõnu; Londos, Charalampos; Misiuk, Andrzej Solid state phenomena 2011 / p. 263-266

Interaction of point defects with impurities in the Si-SiO₂ system and its influence on the properties of the interface

Kropman, Daniel; Mellikov, Enn; Lott, Kalju; Kärner, T.; Heinmaa, I.; Laas, Tõnu; Medvid, A.; Skroupa, W.; Prucnal, S.; Zvyagin, S.; Cizmar, E.; Ozerov, M.; Wosnitsa, J. Solid state phenomena 2010 / p. 145-148 : ill
<https://www.sciencedirect.com/science/article/abs/pii/S0040609009014564>

Interaction of point defects with impurities in the Si-SiO₂ system and its influence on the properties of the interface

Kropman, Daniel; Mellikov, Enn; Öpik, Andres; Lott, Kalju; Kärner, T.; Heinmaa, I.; Laas, Tõnu; Medvid, A.; Skroupa, W.; Prucnal, S.; Rebohle, L.; Zvyagin, S.; Cizmar, E.; Ozerov, M.; Wosnitsa, J. Thin solid films 2010 / 9, p. 2374-2376
<https://www.sciencedirect.com/science/article/abs/pii/S0040609009014564>

Interaction of point defects with impurities in the Si-SiO₂ system and its influence on the properties of the interface

Kropman, Daniel; **Mellikov, Enn; Lott, Kalju**; Kärner, T.; Heinmaa, I. Gettering and defect engineering in semiconductor technology XIII : CADEST 2009 : proceedings of the XIIIth International Autumn Meeting, Döllnsee-Schorfheide, north of Berlin, Germany, September 26 - October 02, 2009 2010 / p. 145-148 : ill

Intermediate compounds in formation of copper sulfides by spray pyrolysis

Krunks, Malle; Mellikov, Enn; Bijakina, Olga Proceedings of the Estonian Academy of Sciences. Engineering 1996 / 1, p. 98-106: ill

Introduction

Mellikov, Enn Tallinna Tehnikaülikooli ülevaated. K, Chemistry = Reports of Tallinn Technical University. K, Chemistry = Отчеты Таллинского технического университета. K, Chemistry : Chair of Semiconductor Materials Technology : activity report 1988-1993 1994 / p. 5 https://www.ester.ee/record=b1065473*est

Investigation of P-type conductivity in CdTe and ZnTe

Valdna, Vello; Hiie, Jaan; Krustok, Jüri; Mellikov, Enn International Conference Advanced Optical Materials and Devices, Riga, 1996 1996 / p. 204

Investigation of strain relaxation mechanism in Si-SiO₂ system during the process of its formation

Kropman, Daniel; Poll, V.; Kärner, T.; Ugaste, Ülo; **Mellikov, Enn**; Arbu, Uno; Paomets, V. Physica status solidi (a) 2003 / 2, p. 297-301 <https://onlinelibrary.wiley.com/doi/abs/10.1002/pssa.200306611>

Isothermal and two-temperature zone selenization of Mo layers

Kaupmees, Liina; Altosaar, Mare; Volobujeva, Olga; Raadik, Taavi; Grossberg, Maarja; Danilson, Mati; Mellikov, Enn; Barvinski, Paul Advances in materials science and engineering 2012 / Article ID 345762. [11] p. : ill

Isothermal grain growth of CdTe in CdCl₂ and Te fluxes

Hiie, Jaan; Altosaar, Mare; Mellikov, Enn; Mädasson, Jaan; Sapogova, J.; Mikli, Valdek Conference record of the Twenty Sixth IEEE Photovoltaic Specialists Conference - 1997, Anaheim, CA, 29 September - 03 October 1997 1997 / p. 455-458: ill

Isothermal grain growth of CdTe in liquid Te flux

Hiie, Jaan; Altosaar, Mare; Mellikov, Enn; Mädasson, Jaan; Sapogova, J.; Mikli, Valdek 26th IEEE Photovoltaic Specialists Conference, Anaheim, 1997 : abstracts 1997 / p. 111

Kalleim labor Eestis : Euroopa Liidu Teaduse Tippkeskus pooljuhtpäikeseneergeetika materjalide ja seadiste alal : [intervjuu labori rajaja Enn Mellikoviga]

Mellikov, Enn; Veskimäe, Rein Horisont 2004 / 2, lk. 18-23 : fot https://artiklid.elnet.ee/record=b1015249*est

Kalleim labor Eestis : [intervjuu Enn Mellikoviga]

Veskimäe, Rein; **Mellikov, Enn** Põline partituur : Eesti teadlased horisondil 2007 / lk. 62-68 : fot

Kas päikeseenergeetikal on tulevikku?

Juurak, Raivo; **Mellikov, Enn** Õpetajate Leht 2010 / lk. 7 : fot

Keemia- ja materjalitehnoloogia teaduskond

Kaps, Tiit; Mölder, Leevi; Christjanson, Peep; Mellikov, Enn; Krunks, Malle; Munter, Rein; Uus, Endel; Tearo, Eduard; Kuusik, Rein, keemik; Kreen, Malle; Viikna, Anti; Soone, Jüri Leiutajaid ja leiutisi Tallinna Tehnikaülikoolis 1922-2007 2008 / lk. 48-71 : ill https://www.ester.ee/record=b2412718*est

Kõrgtehnoloogilised materjaliumringud Tallinna Tehnikaülikoolis

Mellikov, Enn; Õpik, Andres Teadusmõte Eestis : tehnikateadused 2002 / lk. 73-76 : ill

Large area low cost single crystalline photovoltaic and photoelectrochemical devices

Varema, Tiit; Altosaar, Mare; Deppe, M.; Wirts, C.; Deppe, J.; Hiesgen, Renate; **Mellikov, Enn;** Meissner, Dieter Baltic Conference on Interfacial Electrochemistry, June 14-18, 1996, Tartu : extended abstracts 1996 / p. 243-245: ill

Light written self-quenching or eraseable conductive patterns in semiconductors : a review

Kruusing, Arvi; Mellikov, Enn ADOM-2 : 2nd International Conference "Advanced Optical Materials and Devices" : abstracts 2000 / p. 47

Low-K factor of SiO₂ layer on Si irradiated by YAG:Nd laser

Medvid, A.; Onufrijevs, Pavels; **Mellikov, Enn; Kropman, Daniel;** Muktepavela, F.; Bakradze, G. Journal of non-crystalline solids 2007 / p. 703-707 : ill <https://www.sciencedirect.com/science/article/pii/S0022309306014116>

Maaimateadus Kopli liinidel : Tehnikaülikooli teadlased otsivad võimalust, kuidas päikesest odavamalt elektrit teha : [töörühm: Enn Mellikov (juht), Malle Krunks, Mare Altosaar, Jüri Krustok ja Vello Valdna oma uurimistööst]

Mellikov, Enn; Krunks, Malle; Altosaar, Mare; Krustok, Jüri; Valdna, Vello; Kändler, Tiit Eesti Päevaleht 1998 / 14. jaan., lk. 10 : ill., fot

Materials and technologies for photovoltaic applications from Estonia

Mellikov, Enn; Altosaar, Mare; Bereznev, Sergei; Kauk, Marit; Kois, Julia; Krustok, Jüri; Krunks, Malle; Varema, Tiit Proceedings of SPIE 2005 / Optical materials and applications, p. 59460X-1 - 59460X-9 : ill

Materials and technologies for photovoltaic applications from Estonia

Mellikov, Enn; Altosaar, Mare; Kauk, Marit; Krustok, Jüri; Krunks, Malle; Varema, Tiit The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6-9, 2004 : abstracts 2004 / p. 45
https://www.researchgate.net/publication/252219854_Materials_and_technologies_for_photovoltaic_applications_from_Estonia

Materials science and engineering in Estonia

Mellikov, Enn; Kulu, Priit; Õpik, Andres Abstracts of International Conference MRS Spring Meeting 2000 / p. HH5.3

Materials science education in Estonia

Kaps, Tiit; Mellikov, Enn; Õpik, Andres; Kulu, Priit International Conference on Advanced Materials : ICAM'97. European Materials Research Society Spring Meeting : E-MRS'97 : Strasbourg, France, June 16-20, 1997 : book of abstracts 1997 / p. F-6

Materials science education in Estonia

Kaps, Tiit; Mellikov, Enn; Lopp, Margus; Õpik, Andres; Kulu, Priit MRS Fall Meeting, Boston, 1996 : abstracts 1996 / p. 765

Materials science education in Estonia

Mellikov, Enn Abstracts of MRS Fall Meeting, Boston, 1997 1997 / p. 756

Materials science in Estonia

Kaps, Tiit; Mellikov, Enn; Lopp, Margus; Õpik, Andres; Kulu, Priit Journal of materials education 1999 / p. 77-81

Materjaliteadus Tallinna Tehnikaülikoolis ja rahvusvaheline koostöö

Mellikov, Enn; Kulu, Priit; Õpik, Andres IV Välis-Eesti kongress, 29.-30. juunil 1999. a. Tallinnas : ettekannete kokkuvõtted 1999 / lk. 66-68

Materjalitehnika instituut

Kulu, Priit; Kübarsepp, Jakob; Mellikov, Enn; Tümanok, Aleksei; Vallaste, Heikki Teadustegevus / TTÜ 1993 / lk. 17-20

Mechanism of molten phase actron of thermal recrystallization of powder materials

Mellikov, Enn; Hiie, Jaan; Tuvike, Tiit; Altosaar, Mare Международная конференция Химия твердого тела. Т. 2 1990 / с. 154

Metal sulfide thin films by chemical spray pyrolysis

Krunks, Malle; Mellikov, Enn Abstracts of International Conference Advanced Optical Materials and Devices 2000 / p. 37

Metal sulfide thin films by chemical spray pyrolysis

Krunks, Malle; Mellikov, Enn Proceedings of SPIE 2001 / p. 60-65

Monograin A2B6 powders

Mellikov, Enn; Hiie, Jaan; Altosaar, Mare Producibility of II-IV Materials and Devices : SPIE proceedings. Vol. 2228 1994 / p. 177-185

Monograin layer solar cells

Altosaar, Mare; Jagomägi, Andri; Kauk, Marit; Krunks, Malle; Krustok, Jüri; Mellikov, Enn; Raudoja, Jaan; Varema, Tiit Thin solid films 2003 / p. 466-469 : ill

Monograin layer solar cells

Altosaar, Mare; Jagomägi, Andri; Kauk, Marit; Krunks, Malle; Krustok, Jüri; Mellikov, Enn; Raudoja, Jaan; Varema, Tiit E-MRS Spring Meeting 2002 : June 18-21, 2002. Symposium B, Thin Film Chalcogenide Photovoltaic Materials 2002 / p. B-29

Monograin layers and membranes for photovoltaic

Mellikov, Enn; Altosaar, Mare; Varema, Tiit; Deppe, M.; Wirts, C.; Deppe, J.; Hiesgen, Renate; Meissner, Dieter 25th IEEE Photovoltaic Specialists Conference, Washington, 1996 1996 / p. 212

Monograin layers as optoelectronic devices

Mellikov, Enn; Meissner, Dieter; Varema, Tiit; Hiie, Jaan; Altosaar, Mare International Conference Advanced Optical Materials and Devices, Riga, 1996 1996 / p. 171

Monograin layers as optoelectronic devices

Mellikov, Enn; Meissner, Dieter; Varema, Tiit; Hiie, Jaan; Altosaar, Mare Optical inorganic dielectric materials and devices 1997 / p. 214-219

Monograin powders and layers for photovoltaic application

Altosaar, Mare; Hiie, Jaan; Mellikov, Enn; Meissner, Dieter; Varema, Tiit Abstracts of MRS Spring Meeting, San Francisco, 1996 1996 / p. 169

Monograin powders for solar energetics

Mellikov, Enn; Altosaar, Mare; Hiie, Jaan; Mädasson, Jaan Abstracts of 12th European Photovoltaic Solar Energy Conference, Amsterdam, 1994 1994 / p. 9A-33

Monograin powders for solar energetics

Mellikov, Enn; Altosaar, Mare; Hiie, Jaan; Meissner, Dieter Proceedings of 12th European Photovoltaic Solar Energy Conference, Amsterdam, 1994 1994 / p. 1619-1622

Monokornmembran-Elektroden : grossflächige Einkristallelektroden aus Halbleiterpulvern

Wirts, C.; Deppe, M.; Guo, Y.; Altosaar, Mare; Varema, Tiit; Mellikov, Enn; Meissner, Dieter Struktur und Reaktivität von Elektrodenoberflächen : 60. Bunsenkolloquium : book of abstracts 1995 / S. P40

Monoterilised pooljuhtpulbrid päikeseenergeetikale = Monograin semiconductor powders for solar energetics

Hiie, Jaan; Altosaar, Mare; Krunks, Malle; Mellikov, Enn XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 39-40 https://www.ester.ee/record=b1070511*est

Multiple role of fluxing agent in the recrystallization process

Hiie, Jaan; Altosaar, Mare; Mellikov, Enn Abstracts of the 2nd WCEPSEC, 1998 1998 / 0,1 ap

Multiple role of fluxing agent in the recrystallization process

Hiie, Jaan; Altosaar, Mare; Mellikov, Enn; Meissner, Dieter; Brammer, T. 2nd World Conference and Exhibition on Photovoltaic Solar Energy Conversion, 6-10 July 1998 1998 / p. 732-734: ill

Multiple role of fluxing agent in the recrystallization process

Hiie, Jaan; Altosaar, Mare; Mellikov, Enn; Meissner, Dieter; Brammer, T. Proceedings of the 2nd World Conference on Photovoltaic Solar Energy Conversion : Jerusalem, Israel, July 4-9, 1999. Vol. 1 2000 / p. 732-734

A new curriculum in sustainable energetics in Estonia

Meissner, Dieter; Mellikov, Enn; Öpik, Andres; Koppel, Ilmar; Lust, Enn The journal of materials education 2009 / 1/2, p. 23-32

Novel Cu₂CdSnS₄ and Cu₂ZnGeSe₄ absorber materials for monograin layer solar cell application

Timmo, Kristi; Kauk-Kuusik, Marit; Altosaar, Mare; Raudoja, Jaan; Raadik, Taavi; Grossberg, Maarja; Varema, Tiit; Pilvet, Maris; Leinemann, Inga; Volobujeva, Olga; Mellikov, Enn EU PVSEC proceedings 2013 / p. 2385-2388 : ill

Optoelectronic surface emitters of terahertz radiation from copper chalcogenides

Adamavicius, Ramunas; Krotkus, Arunas; Šustaviciute, R.; Molis, Gediminas; Kois, Julia; Bereznev, Sergei; Mellikov, Enn; Gashin, P. Electronics letters 2007 / 25, p. 1458-1459 <https://doi.org/10.1049/el:20072035>

Phase composition of selenized Cu₂ZnSnSe₄ thin films determined by X-ray diffraction and Raman spectroscopy

Ganchev, Maxim; Iljina, Julia; Kaupmees, Liina; Raadik, Taavi; Volobujeva, Olga; Mere, Arvo; Altosaar, Mare; Raudoja, Jaan; Mellikov, Enn Thin solid films 2011 / p. 7394-7398 : 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

Photoconductive CdS and CdS_xSe_{1-x} and CdSe_xTe_{1-x} powders and layers for microwave optoelectronic antennas

Hiie, Jaan; Altosaar, Mare; Krunks, Malle; Mellikov, Enn International Conference Advanced Optical Materials and Devices, Riga, 1996 1996 / p. 195

Photoconductive CdS and CdS_xSe_{1-x} layers for microwave range

Hiie, Jaan; Krunks, Malle; Mellikov, Enn; Veel, Ene 9th international symposium of the Technical Committee on Photon-Detectors, International Measurement Confederation : Visegrád, Hungary, 9 - 12 September, 1980 : abstracts 1980 / p. 12-13

Photoconductive materials for electromagnetic microwave technic

Hiie, Jaan; Mellikov, Enn Chair of Semiconductor Materials Technology : activity report, 1988-1993 1994 / p. 23-24

Photoconductive patterns in semiconductors for electromagnetic field control : a review

Kruusing, Arvi; Mellikov, Enn Proceedings of SPIE 2001 / p. 22-32

Photoconductive ternary CdS_xSe_{1-x} and CdSe_xTe_{1-x} powders and layers for microwave detectors

Hiie, Jaan; Altosaar, Mare; Krunks, Malle; Mellikov, Enn Book of Abstracts of the 11th International Conference on Ternary & Multinary Compounds, 8-12 September 1997, Salford, England 1997 / p. 1.44

Photoconductivity formation in CdTe in the annealing process

Hiie, Jaan; Valdna, Vello; Altosaar, Mare; Mellikov, Enn International Conference Advanced Optical Materials and Devices, Riga, 1996 1996 / p. 197

Photoconductivity formation in CdTe in the annealing process

Hiie, Jaan; Valdna, Vello; Mellikov, Enn; Altosaar, Mare Optical organic and semiconductor inorganic materials 1997 / p. 123-129

Photoelectrochemistry of CdSe_xTe_{1-x}

Wirts, C.; Altosaar, Mare; Krunks, Malle; Varema, Tiit; Mellikov, Enn; Meissner, Dieter Proceedings of International Conference QUANTSOL'99 : Wildhaus, Switzerland, 1999 1999 / p. 15-18

Photoluminescence of Zn(SeTe) annealed phosphors

Valdna, Vello; Mellikov, Enn; Mere, Arvo Physica scripta 1997 / p. 312-314

Photoluminescence of Zn(SeTe) annealed phosphors

Valdna, Vello; Krustok, Jüri; Mellikov, Enn; Mere, Arvo Abstracts of 17th Nordic Semiconductor Meeting, June 17-20, 1996, Trondheim, Norway 1996 / p. 70

Photovoltaic research and development in EU new member and candidate states

Pietruszko, Stanislaw; Mikolajuk, A.; Mellikov, Enn Proceedings of SPIE 2005 / Optical materials and applications, p. 252

Photovoltaic structures formed by thermal annealing of electrodeposited CuInSe₂ in H₂S

Kois, Julia; Bereznev, Sergei; Mellikov, Enn; Öpik, Andres Proceedings of the Estonian Academy of Sciences. Chemistry 2003 / 2, p. 51-58 : ill

Photovoltaic systems research and development in EU new member and candidate states (invited)

Pietruszko, Stanislaw; Vitanov, Petko; Mellikov, Enn; Volobujeva, Olga The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6-9, 2004 : abstracts 2004 / p. 23

Point defects in Cl and Na doped CdTe

Altosaar, Mare; Kukk, Peeter-Enn; Mellikov, Enn Thin solid films 2000 / p. 443-445

Point defects interaction with extended defects and impurities and its influence on the Si-SiO₂ system properties

Kropman, Daniel; Arbu, Uno; Käerner, T.; Ugaste, Ülo; **Mellikov, Enn**; **Kauk, Marit**; Heinmaa, I.; **Samoson, Ago**; Medvid, A. Gettering and defect engineering in semiconductor technology. XI 2005 / p. 333-338 : ill

Point defects interaction with extended defects in the Si-SiO₂ system [Electronic resource]

Kropman, Daniel; Käerner, T.; Abru, Uno; Ugaste, Ülo; **Mellikov, Enn** Proceedings IV-C-16 : Venice, 2004 2004 / p. SS1-TuP394 [CD-ROM]

Polycrystalline CuIn₃Se₅ thin film photoabsorber deposited by the pulsed laser deposition technique

Tverjanovich, Andrey; **Bereznev, Sergei**; Borisov, Evgeny N.; Kim, Dongsoo; **Kois, Julia**; **Laes, Kristjan**; **Volobujeva, Olga**; **Öpik, Andres**; **Mellikov, Enn**; Tveryanovich, Yuri S. Proceedings of the Estonian Academy of Sciences 2009 / 1, p. 24-28 : ill

Polypyrrole back-contact to CdS/CdTe solar cell

Bereznev, Sergei; **Jarkov, Aleksandr**; **Kois, Julia**; **Volobujeva, Olga**; **Mellikov, Enn**; **Öpik, Andres** 11th International Symposium on Functional π -electron systems (F π -11) : June 2-7, 2013, Arcachon, France : book of abstracts 2013 / p. 164

Polypyrrole electrodeposition on inorganic semiconductors CuInSe₂ and CuInS₂ for photovoltaic applications

Bereznev, Sergei; Konovalov, Igor; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres** Electronic Phenomena in Organic Solids : Prague, Czech Republic, July 14-18, 2002 2004 / p. 287-292 : ill

Polypyrrole electrodeposition on inorganic semiconductors CuInSe₂ and CuInS₂ for photovoltaic applications

Bereznev, Sergei; Konovalov, Igor; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres** 21st Discussion Conference of P.M.M./9th International Conference ERPOS : Electrical and Related Properties of Polymers and Other Organic Solids : Prague, 14-18 July 2002 : programme booklet. Volume K 76 2002 / p. 96

Polypyrrole electrodeposition on inorganic semiconductors CuInSe₂ and CuInS₂ for photovoltaic applications

Bereznev, Sergei; Konovalov, Igor; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres** 21st Discussion Conference of P.M.M./9th International Conference ERPOS : Electrical and Related Properties of Polymers and Other Organic Solids : Prague, 14-18 July 2002 2002 / [6] p. : ill

Polypyrrole photovoltaic structure prepared by electrodeposition

Bereznev, Sergei; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres**; Meissner, Dieter Seventeenth European Photovoltaic Solar Energy Conference and Exhibition : München, Germany, October 22-26, 2001 : book of abstracts 2001 / p. 150

Pooljuhtmaterjalid päikeseenergeetikale ja optoelektronikale : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööle

Mellikov, Enn Tallinna Tehnikaülikooli aastaraamat 1997 1998 / lk. 116-119

Post-growth annealing effect on the performance of Cu₂ZnSnSe₄ monograin layer solar cells

Kauk-Kuusik, Marit; **Altosaar, Mare**; **Muska, Katri**; **Pilvet, Maris**; **Raudoja, Jaan**; **Timmo, Kristi**; **Varema, Tiit**; **Grossberg, Maarja**; **Mellikov, Enn**; **Volobujeva, Olga** Thin solid films 2013 / p. 18-21 : ill

Powder materials and technologies for solar cells

Mellikov, Enn; **Hiie, Jaan**; **Altosaar, Mare** International journal of materials & product technology 2007 / 3/4, p. 291-311 : ill

Properties of CuInS₂ free surface and the effect of conductive polymer layers on these properties

Verbitsky, Anatoly; Vertsimakha, Yaroslav; Lutsyk, Petr; Studzinsky, Sergei; **Bereznev, Sergei**; **Kois, Julia**; **Öpik, Andres**; **Mellikov, Enn** Proceedings of the Estonian Academy of Sciences. Chemistry 2006 / 2, p. 111-119 : ill

PVD grown SnS thin films onto different substrate surfaces

Revathi, Naidu; **Bereznev, Sergei**; **Iljina, Julia**; **Safonova, Maria**; **Mellikov, Enn**; **Volobujeva, Olga** Journal of materials science : materials in electronics 2013 / p. 4739-4744 : ill

Päikeseelemendid H₂S atmosfääris kuumutamise ja modifitseeritud elektrokeemiliselt sadestatud CuInSe₂ kilede baasil

Kois, Julia; **Bereznev, Sergei**; **Mellikov, Enn**; **Öpik, Andres** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 59

Päikeseelementide uued materjalid ja konstruktsioonid : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööde tsüklile

Mellikov, Enn; **Altosaar, Mare**; **Bereznev, Sergei**; **Öpik, Andres** Tallinna Tehnikaülikooli aastaraamat 2006 2007 / lk. 262-267 : ill

Päikeseenergeetika maailmas, tänapäev ja tulevikuprognosisid

2010 https://www.ester.ee/record=b2593312*est

Päikeseenergeetika materjalid

Mellikov, Enn; Altosaar, Mare; Bereznev, Sergei; Kauk, Marit; Krunks, Malle; Krustok, Jüri; Mere, Arvo; Raudoja, Jaan; Varema, Tiit; Öpik, Andres Teaduse uued suunad : materjaliteadus : Eesti Teaduste Akadeemia seminari materjalid : 23.10.2003 2004 / lk. 11-21 : ill

Päikeseenergeetika materjalide alased uuringud Tallinna Tehnikaülikoolis

Mellikov, Enn; Altosaar, Mare; Varema, Tiit; Krunks, Malle Taastuvate energiaallikate uurimine ja kasutamine : esimese konverentsi kogumik : [4. november 1999, Tartu] = Investigation and Usage of Renewable Energy Sources : first conference proceedings : [4 November 1999, Tartu] 2000 / lk. 26-31

Päikeseenergeetikal on tulevikku ka Eestis : [ka TTÜ materjaliteaduse instituudi teadustöödest]

Krustok, Jüri; Mellikov, Enn Eesti Loodus 2006 / juuli, lk. 6-11 : ill https://artiklid.elnet.ee/record=b2027442*est

Päikeseenergia ja selle kasutamine

Tomson, Teolan; Mellikov, Enn Elektriala 2010 / 3, lk. 30-33 : ill

Päikeseenergiast saab üha odavamalt elektrit

Mellikov, Enn; Krustok, Jüri Eesti Päevaleht 1996 / 13. märts, lk. 7

Pöördumine Haridus- ja Teadusministri ning Riigikogu kultuurikomisjoni esimehe poole : [doktorikoolide probleemist]

Arro, Ilmar; Kaljurand, Mihkel; Kallavus, Urve; Kübarsepp, Jakob; Lille, Ülo; Lopp, Margus; Mellikov, Enn; Min, Mart; Rang, Toomas; Rüstern, Ennu; Taklaja, Andres; Tamm, Toomas; Tammet, Tanel; Tepandi, Jaak; Ubar, Raimund-Johannes; Öpik, Andres Mente et Manu 2005 / 18. mai, lk. 1 https://www.ester.ee/record=b1242496*est

Pöördumine Haridus- ja Teadusministri ning Riigikogu kultuurikomisjoni esimehe poole : [doktorikoolide probleemist]

Arro, Ilmar; Kaljurand, Mihkel; Kallavus, Urve; Kübarsepp, Jakob; Lille, Ülo; Lopp, Margus; Mellikov, Enn; Min, Mart; Rang, Toomas; Rüstern, Ennu; Taklaja, Andres; Tamm, Toomas; Tammet, Tanel; Tepandi, Jaak; Ubar, Raimund-Johannes; Öpik, Andres Tallinna Tehnikaülikooli aastaraamat 2005 2006 / lk. 430-431

Rapid thermal processing of Kesterite thin films

Ganchev, Maxim; Spasova, Stanka; **Raadik, Taavi; Mere, Arvo; Altosaar, Mare; Mellikov, Enn** Coatings 2023 / art. 1449 <https://doi.org/10.3390/coatings13081449>

Recrystallization of CIS powders in molten fluxes

Altosaar, Mare; Hiie, Jaan; Mellikov, Enn; Mädasson, Jaan International Conf. on Ternary and Quaternary Compounds : book of abstracts 1995 / p. POI 50

Recrystallization of powder materials

Mellikov, Enn; Hiie, Jaan International Symposium Mat Tech '90 : abstracts 1990 / p. 51

Recrystallization of powder materials in molten salts

Mellikov, Enn; Hiie, Jaan Chair of Semiconductor Materials Technology : activity report, 1988-1993 1994 / p. 17-20

Recrystallization of powder materials in molten salts

Mellikov, Enn; Hiie, Jaan; Tuvike, Tiit 32nd IUPAC Congress, Stockholm, 2-7 August 1989 : book of abstracts 1989 / p. 111 https://www.ester.ee/record=b4149424*est

Recrystallization of CIS powders in molten fluxes

Altosaar, Mare; Hiie, Jaan; Mellikov, Enn; Mädasson, Jaan Crystal research and technology 1996 / p. 505-508: ill

Regular monograin layers as optical sensors in robotics

Lukjantšikova, N.; **Mellikov, Enn; Hiie, Jaan; Varema, Tiit; Iljina, Natalja; Kuk, Peeter-Enn** 11th International Symposium on Photon-Detectors, Weimar, September, 11-13, 1984 1984 / S. 27

Research and developments on semiconductor materials at the Tallinn Technical University

Mellikov, Enn Baltic electronics 1996 / 3, p. 6-8

Research in solar cell technologies at Tallinn University of Technology

Mellikov, Enn; Altosaar, Mare; Krunks, Malle; Krustok, Jüri; Varema, Tiit; Volobujeva, Olga; Grossberg, Maarja; Kaupmees, Liina; Dedova, Tatjana; Timmo, Kristi; Ernits, Kaia; Kois, Julia; Oja Acik, Ilona; Danilson, Mati; Bereznev, Sergei Thin solid films 2008 / 20, p. 7125-7134 : ill

Research on optoelectronic materials at Tallinn Technical University

Mellikov, Enn; Kuk, 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

Saateks

Mellikov, Enn Teaduse uued suunad : materjaliteadus : Eesti Teaduste Akadeemia seminari materjalid : 23.10.2003 2004 / lk. 3

Selection of processing conditions for solution growth of CdTe and CuInSe₂ monograin powders on the base of phase diagrams

Altosaar, Mare; Hiie, Jaan; Mellikov, Enn 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 11

Selenisation of sequentially electrodeposited Cu-Zn and Sn precursor layers

Iljina, 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>

A self-rechargeable and flexible polymer solar battery

Dennler, G.; Bereznev, Sergei; Meissner, Dieter; Mellikov, Enn; Öpik, Andres Solar energy 2007 / 8, p. 947-957
<https://www.sciencedirect.com/science/article/pii/S0038092X07000424>

SEM analysis and selenization of Cu-In alloy films produced by co-sputtering of metals

Volobujeva, Olga; Altosaar, Mare; Raudoja, Jaan; Mellikov, Enn; Grossberg, Maarja; Kaupmees, Liina; Barvinski, Paul Solar energy materials and solar cells 2009 / 1, p. 11-14 : ill <https://www.sciencedirect.com/science/article/pii/S0927024808000238>

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>

SEM study of selenization of different thin metallic films = Õhukeste metallikilede seleniseerimise elektronmikroskoopiline uurimine

Volobujeva, Olga 2008 https://www.ester.ee/record=b2394529*est

Sihtasutus Archimedes Aastaraamat 2005

Vaikmäe, Rein; Aarna, Olav; Mellikov, Enn; Kobin, Riin 2006 https://www.ester.ee/record=b1679273*est

SnS thin films deposition by chemical solution method and characterization = SnS õhukeste kilede sadestamine keemilisest lahusest ja saadud kilede iseloomustamine

Safonova, Maria 2016 https://www.ester.ee/record=b4535442*est

Sprayed CuInS₂ thin films for solar cells : the effect of solution composition and post-deposition treatments

Krunk, Malle; Bijakina, Olga; Mikli, Valdek; Rebane, Helen; Varema, Tiit; Altosaar, Mare; Mellikov, Enn 11th International Photovoltaic Science and Engineering Conference : Sept. 20-24/1999, Hokkaido, Japan : technical digest 1999 / p. 845-846: ill

Sprayed CuInS₂ thin films for solar cells : the effect of solution composition and post-deposition treatments

Krunk, Malle; Bijakina, Olga; Mikli, Valdek; Rebane, Helen; Varema, Tiit; Altosaar, Mare; Mellikov, Enn Solar cells and solar cell materials 2001 / 1, p. 93-98

Standardization of composition of A₂B₆ materials

Mellikov, Enn; Hiie, Jaan Chair of Semiconductor Materials Technology : activity report, 1988-1993 1994 / p. 8-12

Standartization of composition of A₂B₆ materials

Mellikov, Enn; Krunk, Malle Surface and coatings technology 1993 / p. 688-690 [https://doi.org/10.1016/0257-8972\(93\)90320-N](https://doi.org/10.1016/0257-8972(93)90320-N)

Strain relaxation mechanism in the Si-SiO₂ system and its influence on the interface properties

Kropman, Daniel; Mellikov, Enn; Öpik, Andres; Lott, Kalju; Volobujeva, Olga; Kämer, T.; Heinmaa, I.; Laas, Tõnu; Medvid, A. Physica B : condensed matter 2009 / 23/24, p. 5153-5155 : ill

Strain relaxation mechanism in the Si-SiO₂ system and its influence on the interface properties

Kropman, Daniel; Mellikov, Enn; Öpik, Andres; Lott, Kalju; Volobujeva, Olga; Kämer, T.; Heinmaa, I.; Laas, Tõnu; Medvid, A. Radiation Interaction with Materials and its use in Technologies : Kaunas, 24-27.09.2008 2008 / p. 204-207

Stress relaxation mechanism by strain in the Si-SiO₂ system and its influence on the interface properties

Kropman, Daniel; Mellikov, Enn; Kämer, Tiit; Laas, Tõnu; Medvid, Arthur; Onufrijevs, Pavels; Dauksta, Edvins Solid state phenomena 2011 / p. 259-262

Structural and compositional properties of CZTS thin films formed by rapid thermal annealing of electrodeposited layers
Lehner, Julia; Looorits, Mihkel; Revathi, Naidu; Raadik, Taavi; Raudoja, Jaan; Grossberg, Maarja; Mellikov, Enn; Volobujeva, Olga; Ganchev, Maxim Journal of crystal growth 2013 / p. 236-240 : ill

Structural and optical properties of sprayed CuInS₂ films
Krunks, Malle; Bijakina, Olga; Varema, Tiit; Mikli, Valdek; Mellikov, Enn Thin solid films 1999 / p. 125-130: ill

Structure and thermal behaviour of dichlorobis(thiourea)cadmium(II), a single-source precursor for CdS thin films
Krunks, Malle; Madarasz, Janos; Hiltunen, L.; Mannonen, R.; Niinistö, L.; Mellikov, Enn Acta Chemica Scandinavica 1997 / p. 294-301: ill

Structure of recombination centres in activated ZnSe phosphors
Kukk, Peeter-Enn; Palmre, Õie; Mellikov, Enn Physica status solidi. A, Applied research 1982 / p. 35-42 : tab
https://www.ester.ee/record=b1562026*est

Structure of solar radiation at high latitudes
Tomson, Teolan; Mellikov, Enn EuroSun 2004 : 14.Intern. Sonnenforum : proceedings. 3 2004 / p. 899-904 : ill

Study of CdS thin films electrodeposited in presence of promotive selenious acid microadditive
Maricheva, Jelena; Bereznev, Sergei; Volobujeva, Olga; Mellikov, Enn; Kois, Julia BEC 16 : the 6th Baltic Electrochemistry Conference : Electrochemistry of Functional Interfaces and Materials : 15th-17th June 2016, Helsinki, Finland 2016 / p. 77 : ill

Study of composition reproducibility of electrochemically co-deposited CuInSe₂ films onto ITO
Kaupmees, Liina; Altosaar, Mare; Volobujeva, Olga; Mellikov, Enn Thin solid films 2007 / 15, p. 5891-5894
<https://www.sciencedirect.com/science/article/pii/S0040609006016427>

Sulfur-containing Cu₂ZnSnSe₄ monograin powders for solar cells
Timmo, Kristi; Altosaar, Mare; Raudoja, Jaan; Muska, Katri; Pilvet, Maris; Kauk, Marit; Varema, Tiit; Danilson, Mati; Volobujeva, Olga; Mellikov, Enn Solar energy materials & solar cells 2010 / 11, p. 1889-1892 : ill

Surface degreasing and activation as important factors for Cu electroplating on ITO substrates
Altosaar, Mare; Varema, Tiit; Mellikov, Enn Integrity, Relability, Failure 1999 : July 19-22, Porto, Portugal : book of abstracts 1999 / p. 234-235

Surface degreasing and activation as important factors for Cu electroplating on ITO substrates
Altosaar, Mare; Varema, Tiit; Mellikov, Enn Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000 / p. 233-235 : ill

Sõnavõtt Eesti Vabariigi teaduspreemiate, kultuuripreemiate, spordipreemiate ning F. J. Wiedemanni keeleauhinna kätteandmisel : 24. veebruaril 2013 Eesti Teaduste Akadeemia saalis
Mellikov, Enn Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 288-289

Synthesis and characterisation of Cu₂ZnSnSe₄ thin films prepared via a vacuum evaporation-based route
Volobujeva, Olga; Bereznev, Sergei; Raudoja, Jaan; Otto, Kairi; Pilvet, Maris; Mellikov, Enn Thin solid films 2013 / p. 48-51 : ill

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

Synthesis of powder semiconducting materials with monocrystalline grain structure
Mellikov, Enn; Hiie, Jaan; Varema, Tiit The First European East-West Symposium on Materials and Processes : abstracts 1990

Synthesis of semiconducting materials monocrystalline grain structure
Mellikov, Enn; Hiie, Jaan; Varema, Tiit Journal of materials and product. technology 1991 / 6

Zinc oxide thin films by spray pyrolysis
Krunks, Malle; Bijakina, Olga; Mikli, Valdek; Varema, Tiit; Mellikov, Enn 18th Nordic Semiconductor Meeting, Linköping, June 7-10, 1998 : abstracts 1998 / p. H-106

Zinc oxide thin films by spray pyrolysis method
Krunks, Malle; Bijakina, Olga; Mikli, Valdek; Varema, Tiit; Mellikov, Enn Physica scripta 1999 / Proceedings of 18th Nordic Semiconductor Meeting, Linköping, Sweden, June 7-10, 1998, ISBN 91-87308-71-1, p. 209-212: ill

Zinc oxide thin films by spray pyrolysis method

Krunks, Malle; Mellikov, Enn Abstracts of International Conference on Metallurgical Coatings and Thin Films, San Diego, 1995
1995 / p. 135

Zinc oxide thin films by the spray pyrolysis method

Krunks, Malle; Mellikov, Enn Thin solid films 1995 / p. 33-36: ill

(ZnCd)S and Zn(SeTe) downconverting phosphors

Valdna, Vello; Hiie, Jaan; Mellikov, Enn; Mere, Arvo Abstracts of 17th Nordic Semiconductor Meeting, June 17-20, 1996, Trondheim, Norway 1996 / p. 69

(ZnCd)S, (ZnCd)Se and Zn(Se, Te) downconverting phosphors

Valdna, Vello; Hiie, Jaan; Mellikov, Enn; Mere, Arvo Physica scripta 1997 / p. 319

Taastuvenergeetika on maha jäänud : [kokkuvõtte konverentsil kõneldust. TTÜst esinesid Enn Mellikov, Toomas Tiikma, Ülo Kask]

Annuk, Andres; **Mellikov, Enn; Tiikma, Toomas; Kask, Ülo** Maamajandus 2003 / dets., lk. 28-29

https://artiklid.elnet.ee/record=b1044418*est

Taastuvenergia tasu kui liikumapanev jõud taastuvate energiaallikate arendamiseks

2010 https://www.ester.ee/record=b2593317*est

Tailoring II/VI semiconductor materials properties to photoelectrochemical requirements

Wirts, C.; **Altosaar, Mare; Varema, Tiit; Mellikov, Enn**; Meissner, Dieter Tenth Int. Conf. on Photochemical Conversion and Storage of Solar Energy, (IPS-10) : book of abstracts. Interlaken, 1995 1995

Tailoring II/VI semiconductor materials properties to photoelectrochemical requirements

Wirts, C.; **Altosaar, Mare; Varema, Tiit; Mellikov, Enn**; Meissner, Dieter 10th International Conference on Photochemical Conversion and Storage of Solar Energy (IPS-10) : book of abstracts, Interlaken, Switzerland, 1994 1994 / p. 387-388

Teaching sustainable energetics

Meissner, Dieter; Burk, Peeter; Koppel, Ilmar; Lust, Enn; **Mellikov, Enn; Öpik, Andres** International Conference On Renewable Energy (INCORE 2016) : book of programme and abstract 2016 / p. 13

Teaduspreemia pikaajalise tulemusliku teadus- ja arendustöö eest [Enn Mellikov'ile]

Mellikov, Enn Eesti Vabariigi teaduspreemiad 2013 2013 / lk. 22-34 : portr

Teaduspreemia tehnikateaduste alal teadustöö "Päikeseelementide uued materjalid ja konstruktsioonid" eest : Enn Mellikov (kollektiivi juht), Mare Altosaar, Sergei Bereznev, Andres Öpik

Mellikov, Enn; Altosaar, Mare; Bereznev, Sergei; Öpik, Andres Eesti Vabariigi teaduspreemiad 2006 2006 / lk. 58-68 : fot., ill

Teaduspreemia tehnikateaduste alal töö "Pooljuhtmaterjalid päikeseenergeetikale ja optoelektronikale" eest

Mellikov, Enn; Altosaar, Mare; Krunks, Malle; Krustok, Jüri; Valdna, Vello Eesti Vabariigi teaduspreemiad 1998 1998 / lk. 32-39: fotod

Technology of CdTe monograin powders

Altosaar, Mare; Hiie, Jaan; Mellikov, Enn; Varema, Tiit; Kukk, Peeter-Enn; Meissner, Dieter Proceedings of the Estonian Academy of Sciences. Engineering 1996 / 1, p. 89-97: ill

Tehnikaülikool krõvib päikeseplatade hinda : [Enn Mellikov kommenteerib koostöö võimalusi välisfirmadega]

Reimer, Andres; **Mellikov, Enn** Eesti Päevaleht 2007 / 14. veebr., Ärileht, lk. 2 <https://www.aripaev.ee/uudised/2007/02/14/tehnikaulikool-krõvib-paikeseplatade-hinda>

Tehnikaülikooli instituut sai Eesti kalleima teadusseadme : [materjaliteaduse instituut avas uue teaduslabori, kus töötatakse välja soodsat päikeseplatadeid : kommenteerib Enn Mellikov]

Teder, Merike; Mellikov, Enn Eesti Päevaleht 2003 / 12. dets., lk. 1 : fot <https://epl.delfi.ee/artikkel/50971573/tehnikaulikooli-instituut-sai-eesti-kalleima-teadusseadme>

Terahertz radiation from nonstoichiometric CuInSe₂ films excited by femtosecond laser pulses

Adomavicius, Ramunas; Krotkus, Arunas; **Kois, Julia; Bereznev, Sergei; Mellikov, Enn** Applied physics letters 2005 / 19, [3] p <https://doi.org/10.1063/1.2126796>

The effect of sodium doping to CuInSe₂ monograin powder properties

Timmo, Kristi; Altosaar, Mare; Raudoja, Jaan; Mellikov, Enn; Varema, Tiit; Danilson, Mati; Grossberg, Maarja Thin solid films 2007 / 15, p. 5887-5890

The extraction, structure, and gelling properties of hybrid galactan from the red alga *Furcellaria lumbricalis* (Balti Sea,

Estonia)

Tuvikene, Rando; Truus, Kalle; Robal, Marju; **Volobujeva, Olga; Mellikov, Enn; Pehk, Tõnis**; Kollist, Andres; **Kailas, Tiit; Vaher, Merike** Journal of applied phycology 2009 / [13] p.: ill <https://link.springer.com/article/10.1007/s10811-009-9425-x>

The extraction, structure, and gelling properties of hybrid galactan from the red alga Furcellaria lumbricalis (Baltic Sea, Estonia)

Tuvikene, Rando; Truus, Kalle; Robal, Marju; **Volobujeva, Olga; Mellikov, Enn; Pehk, Tõnis**; Kollist, Andres; **Kailas, Tiit; Vaher, Merike** Journal of applied phycology 2010 / p. 51-63 : ill

The influence of doping with donor type impurities on the properties of CuInSe₂

Kauk, Marit; Altosaar, Mare; Raudoja, Jaan; Timmo, Kristi; Varema, Tiit; Danilson, Mati; Grossberg, Maarja; Mellikov, Enn Physica status solidi (c) 2008 / 2, p. 609-611 : ill

The use and research in renewables in Estonia

Mellikov, Enn Abstracts of the Conference " Renewable Energy Technologies in Cold Climates '98", Montreal, Canada 1998 / p. 14

The use and research of renewables in Estonia

Mellikov, Enn Renewable Energy Technologies in Cold Climates '98 : an International Conference : incorporating the 24th Annual Conference of the Solar Energy Society of Canada Inc. (SESCL), 4-6 May 1998, Montreal, Quebec, Canada : proceedings 1998 / p. 211-215: ill

Thermal annealing of sequentially deposited SnS thin films

Safonova, Maria; Nair, Padmanabhan Pankajakshy Karunakaran; **Mellikov, Enn**; Aragon, Rebeca; **Kerm, Karin; Naidu, Revathi; Mikli, Valdek; Volobujeva, Olga** Proceedings of the Estonian Academy of Sciences 2015 / p. 488-494 : ill
<http://dx.doi.org/10.3176/proc.2015.4.04>

Thermal decomposition of dichlorobis(thiourea)cadmium(II) in inert and oxidative atmosphere

Krunks, Malle; Madarasz, Janos; Hiltunen, L.; Mannonen, R.; **Mellikov, Enn**; Niinistö, L. Abstracts of Symposium on Thermal Analysis, Sopron, Hungary 1995 / p. 84

Thermodynamic modelling of electronic materials

Mellikov, Enn; Öpik, Andres Proceedings of the Estonian Academy of Sciences. Chemistry 1999 / 1, p. 13-22: ill

Thin film solar cells : fundamental studies for improved materials and devices

Mellikov, Enn Renewable Energies Technologies and Strategies in Central and Eastern European Countries, Sophia Antipolis (FR), 19-21 October 1998 : abstracts 1998 / p. 47

Thin films by laser ablation

Podgurski, Vitali; Kruusing, Arvi; Altosaar, Mare; Krunks, Malle; Mellikov, Enn International Conference Advanced Optical Materials and Devices, Riga, 1996 1996 / p. 199

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

TTÜ osaleb päikesepatareide arendusfirma loomises : [Enn Mellikovi kommentaariga]

Mellikov, Enn Keskkonnatehnika 2008 / 4, lk. 6

TTÜ osaleb päikesepatareide arendusfirmas : [Enn Mellikovi kommentaariga]

Mellikov, Enn Mente et Manu 2008 / 30. mai, lk. 3 https://www.ester.ee/record=b1242496*est

Valgusvoolu poole mineja : intervjuu loodusteaduste valdkonnas Eesti Vabariigi teaduse elutööpreemia saaja akadeemik Enn Mellikoviga

Mellikov, Enn; Strandberg, Marek Sirp 2013 / lk. 10-11 : fot <https://sirp.ee/s1-artiklid/c9-sotsiaalia/valgusvoolu-poole-mineja/>

Vetikapolüisahhariidide termostabiilsus : struktuur-omadus seosed

Robal, Marju; Tuvikene, Rando; Truus, Kalle; **Volobujeva, Olga; Mellikov, Enn**; Pehk, Tõnis XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 19 : ill

Ühendpooljuhtmaterjalide õhukesed kiled keemilise pihustamise meetodil = Thin films of compound semiconductor materials by chemical spray pyrolysis

Krunks, Malle; Mellikov, Enn; Varema, Tiit; Bijakina, Olga; Niinistö, L. XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 87-88
https://www.ester.ee/record=b1070511*est

Анализ сульфидов меди разных степеней окисления вольтампериметрии с пастовым электродом

Vidrevišt, Marina; Uritskaja, Alla; Kitajev, G.; Mellikov, Enn; Krunks, Malle Заводская лаборатория : ежемесячный научно-технический журнал 1984 / с. 17-19

Вакуумный отжиг порошкообразного селенида кадмия для получения материала постоянного состава

Hiie, Jaan; Mellikov, Enn; Buzmakova, I. Полупроводниковые материалы. 2 1972 / с. 23-28 : илл

https://www.ester.ee/record=b1476073*est <https://digikogu.taltech.ee/et/Item/75bd57ba-4543-4614-ab7c-3230cb13e005>

Взаимодействие порошков сульфида и селенида кадмия с различными газовыми средами

Mellikov, Enn; Palmre, Õie; Tünn, Leo; Iljina, Natalja; Hiie, Jaan Дефекты структуры и свойства керамики : Тезисы докладов : Четвертое Всесоюзное совещание по химии твердого тела, 11-13 июня 1985 г. Ч. 3 1985 / с. 45

Влияние вакуумного отжига на электрофизические свойства порошкообразных CdS и CdSe

Mellikov, Enn; Hiie, Jaan; Kuk, Peeter-Enn; Karpenko, I.V. Известия Академии наук СССР. Неорганические материалы 1982 / с. 363-365 : ил https://www.ester.ee/record=b1611497*est

Влияние кислорода на образование проводящего порошкообразного сульфида кадмия

Hiie, Jaan; Mellikov, Enn; Buzmakova, I. Полупроводниковые материалы. 2 1972 / с. 29-37 : илл

https://www.ester.ee/record=b1476073*est <https://digikogu.taltech.ee/et/Item/75bd57ba-4543-4614-ab7c-3230cb13e005>

Влияние кислорода на фотоэлектрические свойства сульфида кадмия в процессе высокотемпературной кристаллизации

Buzmakova, I.; Hiie, Jaan; Mellikov, Enn XVI студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов). Математика, физика и химия 1970 / с. 24 https://www.ester.ee/record=b1379468*est

Влияние концентрации плавней полисульфидов натрия и калия на механизм кристаллизации, морфологию кристаллов и оптико-электрические свойства люминофоров на основе CdS

Mellikov, Enn Тезисы XXIII Всесоюзной конференции по люминесценции 1976 / с. 196 https://www.ester.ee/record=b3798280*est

Влияние концентрации плавня на рекристаллизацию порошка сульфида кадмия

Mellikov, Enn; Teras, A.O. I республиканская конференция молодых ученых-химиков, 20-22 мая 1975 года : тезисы докладов 1975 / с. 199 https://www.ester.ee/record=b1309964*est

Влияние обработки поверхности на электрические свойства монозернистых слоев

Iljina, Natalja; Mellikov, Enn III республиканская конференция молодых ученых-химиков, 15-17 мая 1979 года : тезисы докладов 1979 / с. 6 https://www.ester.ee/record=b1280470*est

Влияние плавня на формирование люминофора на основе сульфида кадмия

Hiie, Jaan; Mellikov, Enn; Krunks, Malle; Varvas, Jüri Материалы XXI Совещания по люминесценции. (Кристаллофосфоры). 9-12 октября 1973 г 1973 / с. 94-95

Влияние природы галогенидного плавня на механизм кристаллизации и морфологию кристаллов люминофоров на основе CdS и CdSe

Mellikov, Enn; Hiie, Jaan; Krunks, Malle; Varvas, Jüri Тезисы XXIII Всесоюзной конференции по люминесценции 1976 / с. 200 https://www.ester.ee/record=b3798280*est

Влияние природы плавня на механизм кристаллизации и морфологию кристаллов люминофоров на основе CdS и CdSe

Mellikov, Enn; Hiie, Jaan; Krunks, Malle; Varvas, Jüri Известия Академии наук СССР. Серия физическая 1976 / с. [2361]-2363 : ил https://www.ester.ee/record=b2367543*est

Влияние природы плавня на морфологию рекристаллизованного порошка

Mellikov, Enn; Hiie, Jaan Полупроводниковые материалы. 3 1976 / с. 119-126 : илл https://www.ester.ee/record=b1403374*est <https://digikogu.taltech.ee/et/Item/5f8fd05c-ff69-4315-9d64-1d9c9611667b>

Влияние природы плавня на морфологию рекристаллизованного порошка сульфида кадмия

Mellikov, Enn; Küla, H.F. I республиканская конференция молодых ученых-химиков, 20-22 мая 1975 года : тезисы докладов 1975 / с. 198 https://www.ester.ee/record=b1309964*est

Влияние расплавленных CdCl₂ и Na₂Sx на совершенство частиц порошка CdS

Mellikov, Enn; Hiie, Jaan Известия Академии наук СССР. Неорганические материалы 1981 / с. 1562-1564 : ил https://www.ester.ee/record=b1611497*est

Влияние условий термической обработки на образование фоточувствительности в порошках CdS

Veel, Ene; Krunks, Malle; Hiie, Jaan; Mellikov, Enn Полупроводниковые материалы. 3 1976 / с. 87-94 : илл

Влияние хлоридного плавня на рост кристаллов, растворимость хлора и электрофизические свойства сульфида кадмия

Mellikov, Enn; Hiie, Jaan; Kokk, Heino Третья Всесоюзная конференция по физико-химическим основам легирования полупроводниковых материалов, Москва, 20-22 окт. 1975 г. : Тезисы докладов 1975 / с. 111

Влияние щелочных металлов на электрические и люминесцентные свойства рекристаллизованного порошка Mellikov, Enn II республиканская конференция молодых ученых-химиков, 17-19 мая 1977 : тезисы докладов. Часть 2 1977 / с. 118-119 https://www.ester.ee/record=b1308855*est

Выращивание кристаллов CdS реакцией в водном растворе

Murašev, P.; Hiie, Jaan; Mellikov, Enn XVI студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов). Математика, физика и химия 1970 / с. 32 https://www.ester.ee/record=b1379468*est

Дезоксидация и рекристаллизация "люминофорного" CdS при его прокаливании в H₂ и H₂S

Veel, Ene; Krunks, Malle; Hiie, Jaan; Mellikov, Enn; Türn, Leo Полупроводниковые материалы. 3 1976 / с. 133-138 : илл https://www.ester.ee/record=b1403374*est <https://digikogu.taltech.ee/et/Item/5f8fd05c-ff69-4315-9d64-1d9c9611667b>

Жидкофазное спекание и рост кристаллов порошка сульфида кадмия

Mellikov, Enn; Hiie, Jaan; Krunks, Malle; Varvas, Jüri Порошковая металлургия : (Тезисы докладов XII Всесоюзной научно-технической конференции по порошковой металлургии, окт. 1975 г.) 1975 / с. 105-108

Измерение СВЧ фотопроводимости в материалах с высокой проводимостью

Vallaste, Heikki; Mellikov, Enn; Tuvike, Tiit; Palmre, Õie Электрофизические свойства полупроводниковых и диэлектрических материалов 1986 / с. 57-63

Изучение рекристаллизации порошков халькогенидов кадмия

Hiie, Jaan; Mellikov, Enn; Krunks, Malle Второе всесоюзное совещание по химии твердого тела, 11-13 мая 1978 г. : тезисы докладов : [в 2-х частях] 1978 / с. 57 https://www.ester.ee/record=b4433699*est

Исследование взаимодействия хлоридного плавня с сульфидом кадмия

Koit, E.; Hiie, Jaan; Mellikov, Enn XVI студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов). Математика, физика и химия 1970 / с. 27 https://www.ester.ee/record=b1379468*est

Исследование влияния высоких концентраций плавня на фотоэлектрические свойства сульфида кадмия, активированного медью

Salk, M.; Hiie, Jaan; Mellikov, Enn XVI студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов). Математика, физика и химия 1970 / с.32 https://www.ester.ee/record=b1379468*est

Исследование влияния хлористого кадмия на образование поликристаллического проводящего сульфида кадмия

Varvas, Jüri; Hiie, Jaan; Mellikov, Enn Полупроводниковые материалы. 1 1969 / с. 43-58 : илл https://www.ester.ee/record=b1346474*est <https://digikogu.taltech.ee/et/Item/da24f532-932d-41c5-8925-a52dfa4b18c8/>

Исследование возможности создания многоканального фотоприемника на основе узкодисперсного порошка сульфида кадмия

Lukjantšikova, N.; Mellikov, Enn; Nikitin, A.; Hiie, Jaan; Iljina, Natalja; Varema, Tiit; Dehtjaruk, N.; Jevdokimov, O.; Kukk, Peeter-Enn Полупроводниковые гетеропереходы : тезисы докладов II республиканской конференции, Эльва 24-26 ноября 1982 г. 1982 / с. 31 https://www.ester.ee/record=b1304403*est

Исследование фоточувствительности в порошковом примесном сульфиде кадмия бесконтактным методом

Mellikov, Enn; Palmre, Õie; Tuvike, Tiit; Hiie, Jaan Дефекты структуры и свойства керамики : Тезисы докладов : Четвертое Всесоюзное совещание по химии твердого тела, 11-13 июня 1985 г. Ч. 3 1985 / с. 128

Кинетика получения тонкопленочных варизонных структур методом химического замещения

Mellikov, Enn; Kulša, A.; Lotšako, V. Синтез и исследование халькогенидных пленок : тезисы докладов уральской конференции (14-16 окт.) 1986 / с. [?]

Кинетика твердорезного замещения в системе

Kašina, I.; Kulša, A.; Lomako, V.; Mellikov, Enn; Palmre, Õie V всесоюзное совещание "Синтез, свойства, исследования, технология и применение люминофоров" (Ставрополь, 16-18 окт. 1985 г.) : Тезисы докладов 1985 / с. 131

Кинетика формирования люминофора на основе сульфида кадмия

Hiie, Jaan; Mellikov, Enn; Krunks, Malle Материалы XXI Сессии по люминесценции. (Кристаллофосфоры). 9-12 октября 1973 г 1973 / с. 93-94

Кинетика формирования сульфоселенида кадмия

Krunks, Malle; Mellikov, Enn I республиканская конференция молодых ученых-химиков, 20-22 мая 1975 года : тезисы докладов 1975 / с. 192-193 https://www.ester.ee/record=b1309964*est

Малозернистые фотонные датчики

Mellikov, Enn; Varema, Tiit; Hiie, Jaan; Altosaar, Mare Труды Координационного совещания социалистических стран по физическим проблемам оптоэлектроники ("Оптоэлектроника-89"), 16-20 октября 1989 г. 1989 / с. 44

Механизм и кинетика синтеза полисульфидов натрия и калия

Mellikov, Enn Первое всесоюзное совещание по химии и технологии халькогенов и халькогенидов : тезисы докладов 1978 / с. 64-65

Механизм рекристаллизации порошка CdS в полисульфидных плавнях

Mellikov, Enn Полупроводниковые материалы. 3 1976 / с. 53-62 : илл https://www.ester.ee/record=b1403374*est
<https://digikogu.taltech.ee/et/Item/5f8fd05c-ff69-4315-9d64-1d9c9611667b>

Механизм, кинетика роста и морфология кристаллов CdS

Mellikov, Enn; Hiie, Jaan V Всесоюзное совещание по росту кристаллов : Тезисы совещания, Тбилиси, 16-19 сент. 1977 г.. Т. 1: Механизм и кинетика кристаллизации 1977 / с. 146-147

Микрофотодетекторы на основе зерен узкодисперсных порошков соединений AlIBVI

Lukjantšikova, N.; **Mellikov, Enn; Nikitin, A.; Hiie, Jaan; Iljina, Natalja; Varema, Tiit; Dehtjaruk, N.; Jevdokimov, O.; Kuk, Peeter-Enn** Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1984 / lk. 105-111 : ill. https://www.ester.ee/record=b1264310*est

Микрофотоприемники на основе зерен узкодисперсных порошков соединений AlIBVI

Lukjantšikova, N.; **Mellikov, Enn; Nikitin, A.; Hiie, Jaan; Varema, Tiit; Iljina, Natalja** II республиканская конференция по фотоэлектрическим явлениям в полупроводниках (Одесса, сент. 1982 г.) : тезисы докладов 1982 / с. 164-165 https://www.ester.ee/record=b2965051*est

Многоканальный фотоприемник на основе узкодисперсного порошка сульфида кадмия

Lukjantšikova, N.; **Mellikov, Enn; Hiie, Jaan; Varema, Tiit; Iljina, Natalja** III Всесоюзное совещание по робототехническим системам : тезисы докладов 1984 / с. 194-195

Монозернистые слои на основе фотопроводящего сульфида кадмия

Hiie, Jaan; Mellikov, Enn; Varema, Tiit; Iljina, Natalja Физическая химия соединений AlIBVI 1981 / с. 3-11

Некоторые вопросы активации монозернистых порошков сульфоселенидов кадмия

Krunks, Malle; Veel, Ene; Hiie, Jaan; Mellikov, Enn Полупроводниковые материалы. 3 1976 / с. 127-132 : илл https://www.ester.ee/record=b1403374*est <https://digikogu.taltech.ee/et/Item/5f8fd05c-ff69-4315-9d64-1d9c9611667b>

Некоторые вопросы роста химически пульверизованных пленок сульфида кадмия

Krunks, Malle; Mellikov, Enn III республиканская конференция молодых ученых-химиков, 15-17 мая 1979 года : тезисы докладов 1979 / с. 5 https://www.ester.ee/record=b1280470*est

Некоторые вопросы технологии монозернистых порошков CdS

Mellikov, Enn Тезисы докладов [VI] Конференции по технологии получения, исследованию свойств, применению редких металлов их соединений и полупроводниковых материалов : Посвященный XXV съезду КПСС 1976 / с. 32

Новые приемники излучения на основе монозернистых слоев

Varema, Tiit; Hiie, Jaan; Mellikov, Enn 2-я Всесоюзная научно-техническая конференция "Фотометрия и ее метрологическое обеспечение". 30 ноября - 3 дек. 1976 г. : тезисы докладов 1976 / с. 176

Новые фоторезисторы на основе монозернистых слоев из CdS и CdSe

Varema, Tiit; Mellikov, Enn; Hiie, Jaan Физика, химия и технические применения полупроводников A2B6 : тезисы докладов IV всесоюзного совещания (Одесса, 16-19 ноября 1976 г.) 1976 / с. 45-46 https://www.ester.ee/record=b2969209*est

Образование пленок CdS и CdZnS при химической пульверизации растворов

Krunks, Malle; Mellikov, Enn; Karpenko, I.V. Физическая химия соединений AlIBVI 1981 / с. 35-42

Образование сульфида кадмия при термораспаде продуктов взаимодействия тиомочевины с хлоридом кадмия

Krunk, Malle; Mellikov, Enn; Sork, Eeve Журнал неорганической химии 1985 / с. 1373-1376

https://www.ester.ee/record=b1443384*est

Образование химически pulverизованных пленок CdS и Cd 1-x ZnS : автореферат ... кандидата химических наук (02.00.04)

Krunk, Malle 1985 https://www.ester.ee/record=b1520403*est

Определение квазихимических параметров точечных дефектов в полупроводниковых соединениях

Kukk, Peeter-Enn; Aarna, Heiti; Altosaar, Mare; Mädasson, Jaan; Mellikov, Enn; Aarna, Agu Eesti NSV Teaduste Akadeemia toimetised. Keemia = Proceedings of Academy of Sciences of the Estonian SSR. Chemistry = Известия Академии наук Эстонской ССР. Химия 1985 / с. 247-252 https://www.ester.ee/record=b1264984*est <https://www.etera.ee/zoom/19218/view?page=1&p=separate&view=0.0.2465.3986>

Определение природы центров рекомбинации полупроводников физико-химическими методами

Altosaar, Mare; Kukk, Peeter-Enn; Mellikov, Enn; Moin, M. II республиканская конференция по фотоэлектрическим явлениям в полупроводниках, (Одесса, сентябрь 1982 г.) : тезисы докладов 1982 / с. [18-19]

Оптические и структурные свойства пленок $Zr_{1-x}Cd_xS$, полученных твердофазным занежением

Kulša, A.; Lomako, V.; Mellikov, Enn Неорганические материалы 1985 / с. 1286-1289 https://www.ester.ee/record=b1611497*est

Особенности легирования монокристаллического селенида кадмия хлором и медью

Hiie, Jaan; Mellikov, Enn; Krunk, Malle; Altosaar, Mare; Valdna, Vello; Varvas, Jüri Третья Всесоюзная конференция по физико-химическим основам легирования полупроводниковых материалов, Москва, 20-22 окт. 1975 г. : Тезисы докладов 1975 / с. 112

Перспективы применения датчиков и преобразователей излучения в народном хозяйстве

Mellikov, Enn 1988 https://www.ester.ee/record=b1524288*est

Поглощение СВЧ-излучения в примесном сульфиде кадмия

Palmre, Õie; Mellikov, Enn; Hiie, Jaan; Tuvike, Tiit; Klepikova, N.V. Физическая химия соединений АИБВИ 1984 / с. 59-65

Полупроводниковые материалы

Palmre, Õie; Hiie, Jaan; Mellikov, Enn; Varema, Tiit; Iljina, Natalja; Altosaar, Mare; Valdna, Vello; Krunk, Malle; Karpenko, I.V.; Tünn, Leo; Kerm, Karin; Tilling, Aino; Antsov, U.; Nõges, M.; Varvas, Jüri; Nirk, Tiit; Kallavus, Urve; Õpik, Andres; Lott, Kalju; Višnjakov, A.V.; Raukas, Maie; Paat, Aadu; Uder, Ülo-Olimar; Gavrilov, Aleksei; Danilov, J.V.; Katšurin, G.A.; Mere, Arvo 1981 https://www.ester.ee/record=b1533413*est

Полупроводниковые материалы

Varvas, Jüri; Nirk, Tiit; Õpik, Andres; Krustok, Jüri; Mädasson, Jaan; Lott, Kalju; Višnjakov, A.V.; Raukas, Maie; Tünn, Leo; Iljina, Natalja; Varema, Tiit; Krunk, Malle; Mellikov, Enn; Sork, Eeve; Vidrevitš, Marina; Palmre, Õie; Hiie, Jaan; Tuvike, Tiit; Klepikova, N.V. 1984 https://www.ester.ee/record=b1314940*est

Полупроводниковые материалы

Rusalep, Ervin; Kukk, Peeter-Enn; Krustok, Jüri; Mädasson, Jaan; Altosaar, Mare; Ruus, Tõnu; Aarna, Heiti; Mankin, Romi; Reiter, Eerik; Krunk, Malle; Mellikov, Enn; Seilenthal, Mats; Vallaste, Heikki; Tuvike, Tiit; Palmre, Õie; Bender, Villem; Veimer, Vladimir; Mere, Arvo; Roninson, Aleksander; Silas, Aarne; Gavrilov, Aleksei; Paat, Aadu; Meiler, Boriss 1986 https://www.ester.ee/record=b1296001*est

Полупроводниковые материалы

Reiter, Eerik; Meiler, Boriss; Krustok, Jüri; Piibe, Toomas; Mädasson, Jaan; Altosaar, Mare; Tomson, A.; Kukk, Peeter-Enn; Tuvike, Tiit; Palmre, Õie; Vallaste, Heikki; Päid, Imbi; Kuusmets, Eela; Petrov, P.; Mellikov, Enn; Erm, Ants; Krunk, Malle; Gavrilov, Aleksei; Košelap, Andrei; Bender, Vladimir; Mere, Arvo; Veimer, Vladimir; Kurik, Lembit; Sinivee, Veljo 1988 https://www.ester.ee/record=b1220756*est

Полупроводниковые материалы

Raukas, Maie; Nirk, Tiit; Varvas, Jüri; Nei, Toomas; Kerm, Karin; Lippmaa, J.; Õpik, Andres; Ahven, Tarmo; Altosaar, Mare; Varema, Tiit; Valdna, Vello; Mellikov, Enn; Lott, Kalju; Tünn, Leo 1989 https://www.ester.ee/record=b1213709*est

Прошел год : лаборатория оптоэлектронных материалов

Mellikov, Enn Tallinna Polütehnik : TPI parteiikomitee, rektoraadi, komsomolikomitee, ametiühingukomitee häälekandja 1988 / с. 3 https://www.ester.ee/record=b1254708*est <https://digikogu.taltech.ee/et/Item/3cfd17a0-d98c-4a76-8aac-ee61f9acca5a>

Разработка методики определения хлора, растворенного в кристаллической решетке люминофоров на основе CdS и CdSe

Mellikov, Enn; Hiie, Jaan; Kokk, Heino Analītiskā ķīmija : Baltijas republiku, Baltkrievijas PSR un Kaļiņingradas apgabala otrās zinātniskās konferences tēzes : Rīga, 1976. gada 9.-10. septembrī = Аналитическая химия : вторая научная конференция

Прибалтийских республик, Белорусской ССР и Калининградской области : тезисы докладов : г. Рига, 9-10 сентября 1976 года. 1976 / с. 82-83 https://www.ester.ee/record=b2563176*est https://inis.iaea.org/collection/NCLCollectionStore/_Public/09/375/9375215.pdf

Разработка методики определения хлора, растворенного в кристаллической решетке сульфида кадмия

Mellikov, Enn; Roos, Õ. I республиканская конференция молодых ученых-химиков, 20-22 мая 1975 года : тезисы докладов 1975 / с. 189 https://www.ester.ee/record=b1309964*est

Разработка технологии синтеза полисульфидов натрия и калия

Mellikov, Enn Тезисы докладов [V] Конференции по технологии получения, исследованию свойств, применению редких металлов их соединений и полупроводниковых материалов : Посвященный XXV съезду КПСС 1976 / с. 52

Разработка фоточувствительного сульфида кадмия для применения в областях СВЧ и ионизирующего излучения

Veel, Ene; Krunks, Malle; Hiie, Jaan; Mellikov, Enn Тезисы докладов Конференции по технологии получения, исследованию свойств, применению редких металлов, их соединений и полупроводниковых материалов 1976 / с. 209

Рекристаллизация порошка сульфида кадмия

Mellikov, Enn; Hiie, Jaan Влияние нестехиометрии на свойства соединений переходных металлов : сборник научных трудов 1986 / с. 71-80 https://www.ester.ee/record=b3789078*est

Рекристаллизация порошка сульфида кадмия, активированная расплавленными растворителями

Mellikov, Enn; Hiie, Jaan Журнал неорганической химии 1981 / с. 2304-2309 : ил https://www.ester.ee/record=b1443384*est

Рекристаллизация порошков AlIBVI

Mellikov, Enn Электрофизические свойства полупроводниковых и диэлектрических материалов 1988 / с. 46-56

Рекристаллизация порошков сульфида кадмия

Mellikov, Enn; Hiie, Jaan; Krunks, Malle; Iljina, Natalja Всесоюзное совещание "Реальная структура неорганических жаростойких и жаропрочных материалов, 9-12 октября" [Текст] : Тезисы докладов 1979 / с. [?]

Рекристаллизация порошков халькогенидов кадмия в присутствии плавня

Küla, H.; Urb, G.; Sikemäe, P.; Teras, A.; Mellikov, Enn XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 2 1974 / с. 353 https://www.ester.ee/record=b1306141*est

Рентгеноприемники на основе AlIBVI с использованием переизлучающих люминофоров

Altosaar, Mare; Varema, Tiit; Valdna, Vello; Mellikov, Enn Электронные материалы 1989 / с. 51-57

СВЧ - методы для аналитического контроля состава люминофоров

Palmre, Õie; Tuvike, Tiit; Vallaste, Heikki; Mellikov, Enn V всесоюзное совещание "Синтез, свойства, исследования, технология и применение люминофоров" (Ставрополь, 16-18 окт. 1985 г.) : Тезисы докладов 1985 / с. 112

Синтез и применение узкодисперсных порошков сульфида и селенида кадмия

Krunks, Malle; Mellikov, Enn; Hiie, Jaan Дисперсные кристаллические порошки в материаловедении : доклады семинара 1980 / с. 67

Синтез монокристаллических порошков сульфоселенида кадмия

Krunks, Malle; Mellikov, Enn; Hiie, Jaan; Veel, Ene Полупроводниковые материалы. 3 1976 / с. 63-69 : илл https://www.ester.ee/record=b1403374*est <https://digikogu.taltech.ee/et/Item/5f8fd05c-ff69-4315-9d64-1d9c9611667b>

Создание основ направленного синтеза оптоэлектронных материалов AlI ВУ1 и разработка на их основе полупроводниковых приборов : автореферат ... кандидата технических наук

Mellikov, Enn 1988 https://www.ester.ee/record=b1524292*est

Структурные и оптические свойства химически пульверизованных пленок сульфида кадмия

Krunks, Malle; Mellikov, Enn; Sork, Eeve; Vidrevitš, Marina Физическая химия соединений AlIBVI 1984 / с. 49-58

Твердофазная рекристаллизация порошка сульфида кадмия

Mellikov, Enn; Veel, Ene; Krunks, Malle; Hiie, Jaan Кинетика и механизм реакций в твердом теле : тезисы докладов Всесоюзного совещания.1(25-27 ноября 1981 г.) 1981 / с. [?]

Термическое разложение тиомочевинных комплексов

Krunks, Malle; Mellikov, Enn; Sork, Eeve Синтез и исследование халькогенидных пленок : тезисы докладов уральской конференции (14-16 окт.) 1986 / с. ?

Термическое разложение тиомочевинных комплексов кадмия

Krunk, Malle; Mellikov, Enn Tallinna Tehnikaülikooli Toimetised 1990 / lk. 3-22: ill

Узкодисперсные порошки CdS и CdSe заданными гранулометрическими, морфологическими и электро-физическими свойствами

Mellikov, Enn; Hiie, Jaan; Altosaar, Mare; Varvas, Jüri Получение и свойства полупроводниковых соединений типа A II B VI и A IV B VI и твердых растворов на их основе : Тезисы докладов первой всесоюзной научно-технической конференции, МИСиС 1-4 февр. 1977 / с. 42-43

Улучшение однородности исходных порошковых материалов CdS, используемых при вакуумном напылении пленок

Mellikov, Enn; Hiie, Jaan; Karpenko, I.V.; Putškova, K.N.; Rändur, Õie; Krunk, Malle; Veel, Ene; Tünn, Leo

Полупроводниковые материалы. 3 1976 / с. 43-51 https://www.ester.ee/record=b1403374*est <https://digikogu.taltech.ee/et/Item/5f8fd05c-ff69-4315-9d64-1d9c9611667b>

Уравнение гранулометрическим составом порошковых сульфидов цинка и кадмия

Mellikov, Enn; Hiie, Jaan V всесоюзное совещание "Синтез, свойства, исследования, технология и применение люминофоров" (Ставрополь, 16-18 окт. 1985 г.) : Тезисы докладов. Ч. 2 1985 / с. 122

Физико-химические основы легирования CdS хлоридом кадмия

Hiie, Jaan; Altosaar, Mare; Mellikov, Enn; Kerm, Karin Легирование полупроводников : [сборник статей] 1982 / с. 59-62 : ил https://www.ester.ee/record=b1680571*est

Физико-химические основы легирования CdS хлоридом кадмия

Hiie, Jaan; Altosaar, Mare; Mellikov, Enn Четвертая Всесоюзная конференция по физико-химическим основам легирования полупроводниковых материалов, Москва, 16-18 окт. 1979 г. : Тезисы докладов 1979 / с. 58

Физико-химическое исследование процессов при рекристаллизации порошков сульфида кадмия : автореферат ... кандидата химических наук (02.00.04)

Mellikov, Enn 1977 https://www.ester.ee/record=b1524271*est

Физико-химическое исследование систем "основное вещество-растворитель"

Mellikov, Enn; Hiie, Jaan V Всесоюзное совещание по физико-химическому анализу, 13-15 сент. 1976 г., Москва : Тезисы докладов 1976 / с. 138

Фотолюминесценция гетероструктур на основе сульфида кадмия

Erm, Ants; Krunk, Malle; Piibe, Toomas; Mellikov, Enn Полупроводники и гетеропереходы : сборник статей 1987 / с. 41-43 : ил https://www.ester.ee/record=b1262177*est

Фотолюминесценция как метод оценки качества химически пульверизованных пленок

Erm, Ants; Krunk, Malle; Mellikov, Enn Применение металлоорганических соединений для получения неорганических покрытий и материалов : тезисы докладов V всесоюзного совещания, Горький, 8-10 сентября 1987 г. 1987 / с. 191-192 https://www.ester.ee/record=b2351386*est

Фотолюминесценция химически пульверизованных пленок

Erm, Ants; Krunk, Malle; Mellikov, Enn Электрофизические свойства полупроводниковых и диэлектрических материалов 1988 / с. 85-93

Фотопреобразователи CdS - CU₂S на основе пульверизованных пленок

Varema, Tiit; Iljina, Natalja; Krunk, Malle; Terasmaa, P.; Mellikov, Enn; Karpenko, I.V. Полупроводники и гетеропереходы : сборник статей 1987 / с. 43-46 : ил https://www.ester.ee/record=b1262177*est

Фотопреобразователи CdS-Cu₂S на основе пульверизованных пленок

Krunk, Malle; Mellikov, Enn; Sork, Eeve; Varema, Tiit Материалы «IX Международного совещания по фотоэлектрическим и оптическим явлениям в твердых телах» Варна, Болгария 1989 / с. 36-37

Фотопроводящие монослойные слои для электролюминесцентных преобразователей и дозиметрии рентгеновских и гамма-лучей

Varema, Tiit; Mellikov, Enn; Hiie, Jaan Тезисы докладов II Всесоюзного симпозиума по люминесцентным приемникам и преобразователям рентгеновского излучения, Рига, 5-7 октября 1976 г. 1976 / с. 131-132 https://www.ester.ee/record=b4436883*est

Фотоэлектрические свойства пленочного гетероперехода ZnS-CdS

Kulša, A.; Lomako, V.; Mellikov, Enn; Hiie, Jaan Полупроводниковые гетеропереходы : тезисы докладов II республиканской конференции, Эльва 24-26 ноября 1982 г. 1982 / с. 30 https://www.ester.ee/record=b1304403*est

Химические методы в технологии тонких пленок и гетеропереходов на их основе

Krunk, Malle; Kulša, D.; Mellikov, Enn I Всесоюзная конференция по физике и технологии тонких пленок (явления переноса), г. Ивано-Франковск, 11-13 мая 1981 г. : тезисы докладов 1984 / с. 93

Центры рекомбинации в сильно легированном медью и хлором сульфиде кадмия

Kukk, Peeter-Enn; Erm, Ants; Altosaar, Mare; Mellikov, Enn Український фізичний журнал : науковий журнал = Украинский физический журнал = Ukrainian Journal of Physics 1981 / с. 990-994 : илл https://www.ester.ee/record=b1361425*est

Электроосаждение полипиррола в качестве тыльного контакта для солнечного элемента CdS/CdTe

Bereznev, Sergei; Kois, Julia; Jarkov, Aleksandr; Öpik, Andres; Mellikov, Enn Шестая Всероссийская Каргинская конференция "Полимеры - 2014". Том I, Программа конференции и сборник тезисов пленарных, приглашённых, и устных докладов 2014 / с. 165

Электрофизические свойства тонкопленочных барьеров шоттки на основе сульфида кадмия, изготовленного методом химической пульверизации

Krunk, Malle; Mellikov, Enn; Seilenthal, Mats Электрофизические свойства полупроводниковых и диэлектрических материалов 1986 / с. 49-55