

#### **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; Gurevič, Jelena; Traksmäa, Rainer; Mikli, Valdek; Mellikov, Enn; Volobujeva, Olga** Journal of vacuum science & technology A 2014 / p. 061506-1 - 061506-6 : ill

<https://doi.org/10.1116/1.4896334> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **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; Kuk, 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; Kuk, 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; Gurevič, Jelena; Bereznev, Sergei; Volobujeva, Olga; Öpik, Andres; Mellikov, Enn** Applied surface science 2013 / p. 982-985 : ill <https://doi.org/10.1016/j.apsusc.2013.07.056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Chair of Semiconductor Materials Technology : activity report 1988-1993**

1994 [https://www.ester.ee/record=b1065473\\*est](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

<https://doi.org/10.1007/s10854-014-1998-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **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

<https://onlinelibrary.wiley.com/doi/abs/10.1002/352760622X.ch14>

#### **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 CuInS<sub>2</sub> 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 CuInS<sub>2</sub> 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 <https://www.sciencedirect.com/science/article/abs/pii/S0040609099008354>

#### **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 CuInS<sub>2</sub> 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 (Cu<sub>2</sub>ZnSnSe<sub>4</sub>) 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

#### **Cu<sub>2</sub>Zn<sub>1-x</sub>CdSn(Se<sub>1-y</sub>Sy)<sub>4</sub> 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 <https://colab.ws/articles/10.1002%2Fpssa.200776839>

#### **Cu<sub>2</sub>ZnSnSe<sub>4</sub> 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

#### **Cu<sub>2</sub>ZnSnSe<sub>4</sub> films from binary precursors**

**Volobujeva, Olga; Mellikov, Enn; Timmo, Kristi; Danilson, Mati; Bereznev, Sergei** Journal of Renewable and Sustainable Energy 2013 / art. 031618 <https://doi.org/10.1063/1.4811242> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Cu<sub>2</sub>ZnSnSe<sub>4</sub> monograin powders for solar cell application [Electronic resource]**

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

#### **Cu<sub>2</sub>ZnSnSe<sub>4</sub> 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

#### **Cu<sub>2</sub>ZnSnSe<sub>4</sub> 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

#### **Cu<sub>2</sub>(Zn<sub>x</sub>Sn<sub>2-x</sub>)(SySe<sub>1-y</sub>)<sub>4</sub> 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 CuInSe<sub>2</sub> and Cu<sub>2</sub>ZnSnSe<sub>4</sub> thin films**

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

#### **CuInS<sub>2</sub> 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

#### **CuInS<sub>2</sub>/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 <https://link.springer.com/article/10.1557/PROC-771-L7.17>

#### **CuInS<sub>2</sub>-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

#### **CuInSe<sub>2</sub> monograin growth in CuSe-Se liquid phase**

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

#### **CuInSe<sub>2</sub> 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 <https://iopscience.iop.org/article/10.7567/JJAPS.39S1.65>

#### **CuInSe<sub>2</sub> 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>

#### **CuInSe<sub>2</sub>/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

#### **CuInSe<sub>2</sub>/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

#### **CuInSe<sub>2</sub>/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 <https://www.sciencedirect.com/science/article/abs/pii/S0040609099008135>

#### **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](https://www.ester.ee/record=b1053754*est)

#### **Direct electrodeposition of CuInSe<sub>2</sub> 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, Ycping; 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 CuInSe<sub>2</sub>**

**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 CuInSe<sub>2</sub> thin films for photovoltaic applications = CuInSe<sub>2</sub> 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** Materials Research Society symposium proceedings 2014 / [6] p. : ill <https://doi.org/10.1557/opl.2014.576> [Conference proceedings at Scopus](#) [Article at Scopus](#)

#### **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 CuInSe<sub>2</sub> 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; Gurevits, 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 CuInSe<sub>2</sub> thin films onto Mo-glass substrates**

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

#### **Elektrokeemilised CuInS<sub>2</sub>/polüürrool 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 CuInSe<sub>2</sub>/polüürrool 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 CuInS<sub>2</sub> 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](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 A<sub>2</sub>B<sub>6</sub> 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](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 Cu<sub>2</sub>ZnSnS<sub>4</sub> absorber layers for solar cells by electrodeposition-annealing route**

**Iljina, Julia; Zhang, R.; Ganchev, Maxim; Raadik, Taavi; Volobujeva, Olga; Altosaar, Mare; Traksmaa, Rainer; Mellikov, Enn** Thin Solid Films 2013 / p. 85 - 89 <https://doi.org/10.1016/j.tsf.2013.04.038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Formation of Cu<sub>2</sub>ZnSnSe<sub>4</sub> 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  
[https://www.researchgate.net/publication/248608013\\_Formation\\_of\\_Cu2ZnSnSe4\\_thin\\_films\\_by\\_selenization\\_of\\_electrodeposited\\_stacked\\_binary\\_alloy\\_layers](https://www.researchgate.net/publication/248608013_Formation_of_Cu2ZnSnSe4_thin_films_by_selenization_of_electrodeposited_stacked_binary_alloy_layers)

#### **Formation of Cu<sub>2</sub>ZnSnSe<sub>4</sub> 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

[https://www.researchgate.net/publication/248608013\\_Formation\\_of\\_Cu<sub>2</sub>ZnSnSe<sub>4</sub> thin films by selenization of electrodeposited stacked binary alloy layers](https://www.researchgate.net/publication/248608013_Formation_of_Cu2ZnSnSe4_thin_films_by_selenization_of_electrodeposited_stacked_binary_alloy_layers)

#### **Formation of CuI<sub>1</sub>ZnSnSI and CuI<sub>1</sub>ZnSnSeI by chalcogenisation of electrochemically deposited precursor layers = CuI<sub>1</sub>ZnSnSeI ja CuI<sub>1</sub>ZnSnSI moodustumine elektrokeemiliselt sadestatud kihtide kalkogeniseerimisel**

**Lehner, Julia** 2014 [https://www.ester.ee/record=b3080859\\*est](https://www.ester.ee/record=b3080859*est)

#### **Formation of CuInS<sub>2</sub> 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 CuInS<sub>2</sub> thin films by chemical spray pyrolysis**

**Krunk, Malle; Bijakina, Olga; Mellikov, Enn; Varema, Tiit** Book of Abstracts of the 11th International Conference on Ternary & Multinary Compounds, 8-12 September 1997, Salford, England 1997 / p. 2.28

#### **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; Krunk, 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)<sub>2</sub> 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  
<https://www.sciencedirect.com/science/article/abs/pii/S0927024804003836>

#### **Glass/ITO/In(O,S)/CuIn(S,Se)<sub>2</sub> 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 <https://www.sciencedirect.com/science/article/abs/pii/S0927024804003836>

#### **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  
<https://link.springer.com/article/10.1557/PROC-450-463>

#### **Growth and recrystallization of CuInS<sub>2</sub> films in spray pyrolytic process**

**Krunk, 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  
<https://ui.adsabs.harvard.edu/abs/1999ApSS..142..356K/abstract>

#### **Growth and recrystallization of CuInS<sub>2</sub> films in spray pyrolytic process**

**Krunk, 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; Kukk, 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-CuIn<sub>3</sub>Se<sub>5</sub> 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 tehast : [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-tehast>

**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](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 CuInS<sub>2</sub> 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-SiO<sub>2</sub> 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 <https://www.scientific.net/SSP.131-133.345>

**Impact of vacuum and nitrogen annealing on HVE SnS photoabsorber films**

**Revathi, Naidu; Loooris, Mihkel; Kärber, Erki; Volobujeva, Olga; Raudoja, Jaan; Matciuc, 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> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Impurity interaction with point defects in the Si-SiO<sub>2</sub> 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 CuInSe<sub>2</sub> thin films**

**Volobujeva, Olga; Kois, Julia; Traksmäa, Rainer; Muska, Katri; Bereznev, Sergei; Grossberg, Maarja; Mellikov, Enn** Thin

**Influence of conductive polymer deposition on photovoltaic properties of prospective inorganic photoabsorber CuInS<sub>2</sub> 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\\_CuInS<sub>2</sub> in solar cell](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; Kukk, Peeter-Enn; Raudoja, Jaan; Krustok, Jüri; Krunks, Malle; Mellikov, Enn; Raudoja, Jaan vt.ka Mädasson, 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; Kämer, T.; Samoson, Ago; Heinmaa, I.; **Mellikov, Enn** Nuclear instruments & methods in physics research. Section B 2002 / p. 78-82 <https://www.sciencedirect.com/science/article/pii/S0168583X0100862X>

**Interaction between point defects in the Si-SiO<sub>2</sub> system during the process of its formation**

Kropman, Daniel; Kämer, T.; Samoson, Ago; Heidmaa, I.; Ugaste, Ülo; **Mellikov, Enn** Defect and Diffusion Forum 2001 / p. 1737-1744 <https://www.sciencedirect.com/science/article/abs/pii/S0168583X0100862X>

**Interaction between point defects, extended defects and impurities in the Si-SiO<sub>2</sub> system during the process of its formation**

Kropman, Daniel; Kämer, T.; Abru, Uno; Ugaste, Ülo; **Mellikov, Enn** Thin solid films 2004 / 1/2, p. 53-57 : ill  
<https://www.sciencedirect.com/science/article/abs/pii/S0921510704003459>

**Interaction between point defects, extended defects and impurities in the Si-SiO<sub>2</sub> system during the process of its formation**

Kropman, Daniel; Kämer, T.; Abru, Uno; Ugaste, Ülo; **Mellikov, Enn; Kauk, Marit** Materials science and engineering : B 2004 / p. 295-298 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0921510704003459>

**Interaction of point defects with impurities in the Si-SiO<sub>2</sub> system and its influence on the interface properties**

**Kropman, Daniel; Mellikov, Enn;** Kämer, Tiit; Heinmaa, Ivo; Laas, Tõnu; Londos, Charalampos; Misiuk, Andrzej Solid state phenomena 2011 / p. 263-266 <https://www.sciencedirect.com/science/article/pii/S0040609009014564>

**Interaction of point defects with impurities in the Si-SiO<sub>2</sub> system and its influence on the properties of the interface**

**Kropman, Daniel; Mellikov, Enn; Öpik, Andres; Lott, Kalju;** Kämer, 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-SiO<sub>2</sub> system and its influence on the properties of the interface**

**Kropman, Daniel; Mellikov, Enn; Lott, Kalju;** Kämer, 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-SiO<sub>2</sub> system and its influence on the properties of the interface**

Kropman, Daniel; **Mellikov, Enn; Lott, Kalju;** Kämer, 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 <https://www.sciencedirect.com/science/article/abs/pii/S0040609009014564>

**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](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-SiO<sub>2</sub> system during the process of its formation**

Kropman, Daniel; Poll, V.; Kämer, 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;** Barvinschi, Paul Advances in materials science and engineering 2012 / Article ID 345762. [11] p. : ill  
[https://www.researchgate.net/publication/258383467\\_Isothermal\\_and\\_Two-Temperature\\_Zone\\_Selenization\\_of\\_Mo\\_Layers](https://www.researchgate.net/publication/258383467_Isothermal_and_Two-Temperature_Zone_Selenization_of_Mo_Layers)

## **Isothermal grain growth of CdTe in CdCl<sub>2</sub> 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 / 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 pooljuhtpäikeseenergeetika 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](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 [https://artiklid.elnet.ee/record=b1969618\\*est](https://artiklid.elnet.ee/record=b1969618*est)

## **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](https://www.ester.ee/record=b2412718*est)

## **Kõrgtehnoloogilised materjaliumingud 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 SiO<sub>2</sub> 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>

## **Maailmateadus 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 [https://www.researchgate.net/profile/Mare-Altosaar/publication/252219854\\_Materials\\_and\\_technologies\\_for\\_photovoltaic\\_applications\\_from\\_Estonia/links/54e5e6520cf2cd2e028b39ca/Materials-and-technologies-for-photovoltaic-applications-from-Estonia.pdf](https://www.researchgate.net/profile/Mare-Altosaar/publication/252219854_Materials_and_technologies_for_photovoltaic_applications_from_Estonia/links/54e5e6520cf2cd2e028b39ca/Materials-and-technologies-for-photovoltaic-applications-from-Estonia.pdf)

## **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](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; Öpik, 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; Öpik, 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; Öpik, Andres; Kulu, Priit** Journal of materials education 1999 / p. 77-81

#### **Materjaliteadus Tallinna Tehnikaülikoolis ja rahvusvaheline koostöö**

**Mellikov, Enn; Kulu, Priit; Öpik, 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 action 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

[https://www.researchgate.net/publication/224197383\\_Monograin\\_layers\\_and\\_membranes\\_for\\_photovoltaics](https://www.researchgate.net/publication/224197383_Monograin_layers_and_membranes_for_photovoltaics)

#### **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; Mäddasson, 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,

**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; Krunk, Malle; Mellikov, Enn** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 39-40 [https://www.eester.ee/record=b1070511\\*est](https://www.eester.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 Cu<sub>2</sub>CdSnS<sub>4</sub> and Cu<sub>2</sub>ZnGeSe<sub>4</sub> 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**

Adomavicius, Ramunas; Krotkus, Arunas; Štastaviciute, 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 Cu<sub>2</sub>ZnSnSe<sub>4</sub> 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 <https://doi.org/10.1016/j.tsf.2013.01.064> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Photoconductive CdS and CdS<sub>x</sub>Se<sub>1-x</sub> and CdSe<sub>x</sub>Te<sub>1-x</sub> powders and layers for microwave optoelectronic antennas**

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

**Photoconductive CdS and CdS<sub>x</sub>Se<sub>1-x</sub> layers for microwave range**

**Hiie, Jaan; Krunk, 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<sub>x</sub>Se<sub>1-x</sub> and CdSe<sub>x</sub>Te<sub>1-x</sub> powders and layers for microwave detectors**

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

**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

#### **Photoelectrochemistry of CdSexTe1-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; Krustok, Jüri; Mellikov, Enn; Mere, Arvo** Abstracts of 17th Nordic Semiconductor Meeting, June 17-20, 1996, Trondheim, Norway 1996 / p. 70

#### **Photoluminescence of Zn(SeTe) annealed phosphors**

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

#### **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; Kämer, 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

[https://www.researchgate.net/publication/243760197\\_Point\\_Defects\\_Interaction\\_with\\_Extended\\_Defects\\_and\\_Impurities\\_and\\_Its\\_Influence\\_on\\_the\\_Si-SiO2\\_System\\_Properties](https://www.researchgate.net/publication/243760197_Point_Defects_Interaction_with_Extended_Defects_and_Impurities_and_Its_Influence_on_the_Si-SiO2_System_Properties)

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

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

[https://www.researchgate.net/publication/243760197\\_Point\\_Defects\\_Interaction\\_with\\_Extended\\_Defects\\_and\\_Impurities\\_and\\_Its\\_Influence\\_on\\_the\\_Si-SiO2\\_System\\_Properties](https://www.researchgate.net/publication/243760197_Point_Defects_Interaction_with_Extended_Defects_and_Impurities_and_Its_Influence_on_the_Si-SiO2_System_Properties)

#### **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  $\pi$ -electron systems (F $\pi$ -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 Cu<sub>2</sub>ZnSnSe<sub>4</sub> 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 <https://doi.org/10.1016/j.tsf.2012.11.075> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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 CuInS<sub>2</sub> 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 <https://doi.org/10.1007/s10854-013-1468-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Päikeseelemendid H<sub>2</sub>S atmosfääris kuumutamise ja modifitseeritud elektrokeemiliselt sadestatud CuInSe<sub>2</sub> 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](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](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](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> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Recrystallization of CIS powders in molten fluxes**

**Altosaar, Mare; Hiie, Jaan; Mellikov, Enn; Mäddasson, Jaan** International Conf. on Ternary and Quaternary Compounds : book of

### **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](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 Tehnical 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](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 CuInSe<sub>2</sub> 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; Barvinschi, 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](https://www.ester.ee/record=b2394529*est)

Vaikmäe, Rein; Aarna, Olav; Mellikov, Enn; Kobin, Riin 2006 [https://www.ester.ee/record=b1679273\\*est](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](https://www.ester.ee/record=b4535442*est)

**Sprayed CuInS<sub>2</sub> thin films for solar cells : the effect of solution composition and post-deposition treatments**

Krunks, 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 <https://www.sciencedirect.com/science/article/pii/S0927024800003810>

**Sprayed CuInS<sub>2</sub> thin films for solar cells : the effect of solution composition and post-deposition treatments**

Krunks, 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 A<sub>2</sub>B<sub>6</sub> materials**

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

**Standartization of composition of A<sub>2</sub>B<sub>6</sub> materials**

Mellikov, Enn; Krunks, 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-SiO<sub>2</sub> system and its influence on the interface properties**

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

**Strain relaxation mechanism in the Si-SiO<sub>2</sub> system and its influence on the interface properties**

Kropman, Daniel; Mellikov, Enn; Öpik, Andres; Lott, Kalju; Volobujeva, Olga; Kärner, 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 <https://www.sciencedirect.com/science/article/pii/S0921452609010321>

**Stress relaxation mechanism by strain in the Si-SiO<sub>2</sub> system and its influence on the interface properties**

Kropman, Daniel; Mellikov, Enn; Kärner, Tiit; Laas, Tõnu; Medvid, Arthur; Onufrijevs, Pavels; Dauksa, Edvins Solid state phenomena 2011 / p. 259-262 [https://globaljournals.org/GJSFR\\_Volume17/1-Stresses-Relaxation-Mechanism.pdf](https://globaljournals.org/GJSFR_Volume17/1-Stresses-Relaxation-Mechanism.pdf)

**Structural and compositional properties of CZTS thin films formed by rapid thermal annealing of electrodeposited layers**

Lehner, Julia; Looerts, Mihkel; Revathi, Naidu; Raadik, Taavi; Raudoja, Jaan; Grossberg, Maarja; Mellikov, Enn; Volobujeva, Olga; Ganchev, Maxim Journal of crystal growth 2013 / p. 236-240 : ill <https://doi.org/10.1016/j.jcrysgro.2013.06.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Structural and optical properties of sprayed CuInS<sub>2</sub> 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](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 CuInSe<sub>2</sub> 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 Cu<sub>2</sub>ZnSnSe<sub>4</sub> 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 Cu<sub>2</sub>ZnSnSe<sub>4</sub> 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  
<https://doi.org/10.1016/j.tsf.2012.12.080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Synthesis of Cu<sub>2</sub>(ZnCd)SnS<sub>4</sub> absorber material for monograin membrane applications**

**Nkwusi, Godswill; Leinemann, Inga; Raudoja, Jaan; Mikli, Valdek; Kauk-Kuusik, Marit; Altosaar, Mare; Mellikov, Enn** Materials Research Society symposium proceedings 2014 / 6 p. : ill <https://doi.org/10.1557/opl.2014.245> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**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 <https://www.sciencedirect.com/science/article/abs/pii/0040609095068937>

**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 : [kokkuvõte 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](https://artiklid.elnet.ee/record=b1044418*est)

**Taastuvenergia tasu kui liikumapanev jõud taastuvate energiaallikate arendamiseks**

2010 [https://www.ester.ee/record=b2593317\\*est](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 kruvib päikeseplatade hinda : [Enn Mellikov kommenteerib koostöö võimalusi välisfirmadega]**

Reimer, Andres; **Mellikov, Enn** Eesti Päevaleht 2007 / 14. veebr., Ärioleht, lk. 2 <https://www.aripaev.ee/uudised/2007/02/14/tehnikaulikool-kruvib-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. detsembr., lk. 1 : fot <https://epl.delfi.ee/artikkel/50971573/tehnikaulikooli-instituut-sai-est-ikalleima-teadusseadme>

**Terahertz radiation from nonstoichiometric CuInSe<sub>2</sub> 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 CuInSe<sub>2</sub> 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, Tiiu; 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, Tiiu; Vaher, Merike** Journal of applied phycology 2010 / p. 51-63 : ill <https://link.springer.com/article/10.1007/s10811-009-9425-x>

**The influence of doping with donor type impurities on the properties of CuInSe<sub>2</sub>**

**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 <https://onlinelibrary.wiley.com/doi/abs/10.1002/pssc.200776831>

**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. (SESOC), 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

<https://doi.org/10.3176/proc.2015.4.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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

### **Thermal stability of red algal galactans: Effect of molecular structure and counterions**

Robal, Marju; Truus, Kalle; **Volobujeva, Olga; Mellikov, Enn**; Tuvikene, Rando International journal of biological macromolecules 2017 / p. 213-223 : ill <https://doi.org/10.1016/j.ijbiomac.2017.05.175> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **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](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/>

### **Vetikapolüsahhariidide 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](https://www.ester.ee/record=b1070511*est)

### **Анализ сульфидов меди разных степеней окисления вольтампериметрии с пастовым электродом**

**Vidrevitš, 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://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; Türn, 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; Kukk, Peeter-Enn; Karpenko, I.V.** Известия Академии наук СССР. Неорганические материалы 1982 / с. 363-365 : ил [https://www.ester.ee/record=b1611497\\*est](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://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](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](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](https://www.ester.ee/record=b1309964*est)

**Влияние обработки поверхности на электрические свойства монослоев**

**Iijina, 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](https://www.ester.ee/record=b1280470*est)

**Влияние плавня на формирование люминофора на основе сульфида кадмия**

**Hiie, Jaan; Mellikov, Enn; Krunk, 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; Krunk, Malle; Varvas, Jüri** Тезисы XXIII Всесоюзной конференции по люминесценции 1976 / с. 200 [https://www.ester.ee/record=b3798280\\*est](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; Krunk, Malle; Varvas, Jüri** Известия Академии наук СССР. Серия физическая 1976 / с. [2361]-2363 : ил [https://www.ester.ee/record=b2367543\\*est](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://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](https://www.ester.ee/record=b1309964*est)

**Влияние расплавленных CdCl<sub>2</sub> и Na<sub>2</sub>Sx 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](https://www.ester.ee/record=b1611497*est)

**Влияние условий термической обработки на образование фоточувствительности в порошках CdS**

**Veel, Ene; Krunk, Malle; Hiie, Jaan; Mellikov, Enn** Полупроводниковые материалы. 3 1976 / с. 87-94 : илл [https://www.ester.ee/record=b1403374\\*est](https://www.ester.ee/record=b1403374*est) <https://digikogu.taltech.ee/et/Item/5f8fd05c-ff69-4315-9d64-1d9c9611667b>

**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](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](https://www.ester.ee/record=b1379468*est)

**Дезоксидация и рекристаллизация "люминофорного" CdS при его прокаливании в H<sub>2</sub> и H<sub>2</sub>S**

**Veel, Ene; Krunk, Malle; Hiie, Jaan; Mellikov, Enn; Törn, Leo** Полупроводниковые материалы. 3 1976 / с. 133-138 : илл [https://www.ester.ee/record=b1403374\\*est](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; Krunk, 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](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](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](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://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](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 твердорезкого 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 Совещания 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](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://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 AIIIVI**

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](https://www.ester.ee/record=b1264310*est)

#### **Микрофотоприемники на основе зерен узкодисперсных порошков соединений AIBVI**

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](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 AIBVI 1981 / с. 3-11 : илл  
[https://www.ester.ee/record=b1533413\\*est](https://www.ester.ee/record=b1533413*est) <https://digikogu.taltech.ee/et/Item/dceb76ed-f60b-4ce9-b87e-618a41d25bb8>

#### **Некоторые вопросы активации монозернистых порошков сульфоселенидов кадмия**

Krunk, Malle; Veel, Ene; Hiie, Jaan; Mellikov, Enn Полупроводниковые материалы. 3 1976 / с. 127-132 : илл  
[https://www.ester.ee/record=b1403374\\*est](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**

Krunk, 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](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](https://www.ester.ee/record=b2969209*est)

#### **Образование пленок CdS и CdZnS при химической пульверизации растворов**

Krunk, Malle; Mellikov, Enn; Karpenko, I.V. Физическая химия соединений AIBVI 1981 / с. 35-42 : илл  
[https://www.ester.ee/record=b1533413\\*est](https://www.ester.ee/record=b1533413*est) <https://digikogu.taltech.ee/et/Item/dceb76ed-f60b-4ce9-b87e-618a41d25bb8>

#### **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](https://www.ester.ee/record=b1443384*est)

#### **Образование химически пульверизованных пленок CdS и Cd 1-x Zn<sub>x</sub>S : автореферат ... кандидата химических наук (02.00.04)**

Krunk, Malle 1985 [https://www.ester.ee/record=b1520403\\*est](https://www.ester.ee/record=b1520403*est)

#### **Определение квазихимических параметров точечных дефектов в полупроводниковых соединениях**

Kuk, 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.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; Kuk, Peeter-Enn; Mellikov, Enn; Moín, 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<sub>v</sub>Cd<sub>1-x</sub>S, полученных твердофазным занежением**

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

#### **Особенности легирования монозернистого 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

**Перспективы применения датчиков и преобразователей излучения в народном хозяйстве**

**Mellikov, Enn** 1988 [https://www.ester.ee/record=b1524288\\*est](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 АИВВИ 1984 / с. 59-65 : ил  
[https://www.ester.ee/record=b1314940\\*est](https://www.ester.ee/record=b1314940*est) <https://digikogu.taltech.ee/et/Item/b5a40c2b-483d-4f6f-a3dd-9b72e498c226>

**Полупроводниковые материалы**

**Rusalep, Ervin; Kukk, Peeter-Enn; Krustok, Jüri; Mädasson, Jaan; Altosaar, Mare; Ruus, Tõnu; Aarna, Heiti; Mankin, Romi; Reiter, Eerik; Krunks, 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](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; Krunks, Malle; Gavrilov, Aleksei; Košelap, Andrei; Bender, Vladimir; Mere, Arvo; Veimer, Vladimir; Kurik, Lembit; Sinivee, Veljo** 1988  
[https://www.ester.ee/record=b1220756\\*est](https://www.ester.ee/record=b1220756*est)

**Полупроводниковые материалы**

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

**Прошел год : лаборатория оптоэлектронных материалов**

**Mellikov, Enn** Tallinna Polütehnik : TPI parteikomitee, rektoraadi, komsomolikomitee, ametiühingukomitee häälekandja 1988 / с. 3  
[https://www.ester.ee/record=b1254708\\*est](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. I 1976 / с. 82-83 [https://www.ester.ee/record=b2563176\\*est](https://www.ester.ee/record=b2563176*est) [https://inis.iaea.org/collection/NCLCollectionStore/\\_Public/09/375/9375215.pdf](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](https://www.ester.ee/record=b1309964*est)

**Разработка технологии синтеза полисульфидов натрия и калия**

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

**Рекристаллизация порошков АИВВИ**

**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](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**

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

**Синтез монокристаллических порошков сульфоселенида кадмия**

Krunk, Malle; Mellikov, Enn; Hiie, Jaan; Veel, Ene Полупроводниковые материалы. 3 1976 / с. 63-69 : илл

[https://www.ester.ee/record=b1403374\\*est](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](https://www.ester.ee/record=b1524292*est)

**Структурные и оптические свойства химически пульверизованных пленок сульфида кадмия**

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

[https://www.ester.ee/record=b1314940\\*est](https://www.ester.ee/record=b1314940*est) <https://digikogu.taltech.ee/et/Item/b5a40c2b-483d-4f6f-a3dd-9b72e498c226>

**Твердофазная рекристаллизация порошка сульфида кадмия**

Mellikov, Enn; Veel, Ene; Krunk, 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**

Krunk, 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 электрофизическими 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://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 : илл [https://www.ester.ee/record=b1680571\\*est](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](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; Krunks, Malle; Piibe, Toomas; Mellikov, Enn** Полупроводники и гетеропереходы : сборник статей 1987 / с. 41-43 : илл [https://www.ester.ee/record=b1262177\\*est](https://www.ester.ee/record=b1262177*est)

#### **Фотолюминесценция как метод оценки качества химически пульверизованных пленок**

**Erm, Ants; Krunks, 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](https://www.ester.ee/record=b2351386*est)

#### **Фотолюминесценция химически пульверизованных пленок**

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

#### **Фотопреобразователи CdS - Cu<sub>2</sub>S на основе пульверизованных пленок**

**Varema, Tiit; Iljina, Natalja; Krunks, 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](https://www.ester.ee/record=b1262177*est)

#### **Фотопреобразователи CdS-Cu<sub>2</sub>S на основе пульверизованных пленок**

**Krunks, 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 монозернистые 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](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](https://www.ester.ee/record=b1304403*est)

#### **Химические методы в технологии тонких пленок и гетеропереходов на их основе**

**Krunks, 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](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, приглашенных, и устных докладов 2014 / с. 165

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

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