

Chemical bath deposition of ZnS films using different Zn-salts

Ernits, Kaia; Muska, Katri; Kauk, Marit; Danilson, Mati; Raudoja, Jaan; Varema, Tiit; Volobujeva, Olga; Altosaar, Mare

Physics procedia : EMRS-2009 Spring Meeting, Strasbourg, France, 8-12 of June 2009 2009 / p. BP4-10

Chemical composition of CuInSe₂ monograin powders for solar cell application = CuInSe₂ monoterapulbri koostise uurimine ja rakendus päikesepatareides

Kauk, Marit 2006 <https://digi.lib.ttu.ee/i/?99> https://www.ester.ee/record=b2208780*est

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

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

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

CuInSe₂ koostise uurimine polarograafilisel meetodil

Kauk, Marit; Altosaar, Mare; Raudoja, Jaan XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 49-50

CuInSe₂ monograin growth in the liquid phase of potassium iodide

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

CuInSe₂ preparation through a new solution based selenisation process

Kauk, Marit; Altosaar, Mare; Grossberg, Maarja; Varema, Tiit 17th International Photovoltaic Science and Engineering Conference : Fukuoka, Japan, 3-7.12.2007 2007

Effects of sulphur and tin disulphide vapour treatments of Cu₂ZnSnS(Se)₄ absorber materials for monograin solar cells

Kauk, Marit; Muska, Katri; Altosaar, Mare; Raudoja, Jaan; Pilvet, Maris; Varema, Tiit; Timmo, Kristi; Volobujeva, Olga Energy procedia 2011 / p. 197-202

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

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

Influence of compositional deviations on the properties of Cu₂ZnSnSe₄ monograin powders

Muska, Katri; Kauk, Marit; Grossberg, Maarja; Altosaar, Mare; Raudoja, Jaan; Volobujeva, Olga Energy procedia 2011 / p. 323-327

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

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

Materials and technologies for photovoltaic applications from Estonia

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

Materials and technologies for photovoltaic applications from Estonia

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

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

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

Kropman, Daniel; Arbu, Uno; Kärner, 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

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

Solubility of CuInSe₂ in potassium iodide

Kauk, Marit; Timmo, Kristi; Altosaar, Mare; Raudoja, Jaan Conference on Knowledge-based Materials and Technologies for Sustainable Chemistry : 1-5 June 2005, Tallinn, Estonia : abstract book 2005 / p. 90

SuInSe₂ pinna keemiline söövitamine

Kauk, Marit; Tsarjova, Tatjana; Altosaar, Mare; Raudoja, Jaan XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 52-53

Sulfur-containing Cu₂ZnSnSe₄ monograin powders for solar cells

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

Synthesis of Cu₂ZnSnS₄ monograin powders with different compositions

Muska, Katri; Kauk, Marit; Altosaar, Mare; Pilvet, Maris; Grossberg, Maarja; Volobujeva, Olga Energy procedia 2011 / p. 203-207

ZnO grown by chemical solution deposition

Kauk, Marit; Muska, Katri; Altosaar, Mare; Danilson, Mati; Öunpuu, K.; Varema, Tiit; Volobujeva, Olga 35th IEEE Photovoltaic Specialists Conference : Honolulu, HI, June 20-25, 2010 : conference proceedings 2010 / p. 002452-002456 : ill
<https://ieeexplore.ieee.org/document/5614047>

Tailoring composition and properties of CuInSe₂ materials for solar cell application

Kauk, Marit; Timmo, Kristi; Kaupmees, Liina; Altosaar, Mare; Raudoja, Jaan The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6-9, 2004 : abstracts 2004 / p. 44

Tailoring the composition and properties of CuInSe₂ materials for solar cell application

Kauk, Marit; Altosaar, Mare; Raudoja, Jaan; Timmo, Kristi; Grossberg, Maarja; Varema, Tiit; Ernits, Kaia Proceedings of SPIE 2005 / Optical materials and applications, p. 224

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

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

The performance of CuInSe₂ monograin layer solar cells with variable indium content

Kauk, Marit; Altosaar, Mare; Raudoja, Jaan; Jagomägi, Andri; Danilson, Mati; Varema, Tiit Thin solid films 2007 / 15, p. 5880-5883

XPS study of CZTSSe monograin powders

Danilson, Mati; Altosaar, Mare; Kauk, Marit; Katerski, Atanas; Krustok, Jüri; Raudoja, Jaan Thin solid films 2011 / p. 7407-7411 : ill