

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

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 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>

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>

Eesti teadlased aitavad Kuu peal elektrit toota [Võrguväljaanne]

Povilaitis, Dmitri pealinn.ee 2022 "[Eesti teadlased aitavad Kuu peal elektrit toota](#)"

Eesti teadlased aitavad uue päikeseplatade tehnoloogiaga Kuu peal elektrit toota [Võrguväljaanne]

am.ee 2022 <https://www.am.ee/node/8351>

Eesti teadlased sillutavad teed Kuul päikeseenergia tootmiseks

postimees.ee 2025 <https://teadus.postimees.ee/8196384/eesti-teadlased-sillutavad-teed-kuul-paikeseenergia-tootmiseks>

Eesti teadlased tahavad aidata Kuul elektrit toota

Imeline Teadus 2021 / lk. 23 : fot https://www.ester.ee/record=b2747925*est

Elektri tootmine Kuul on eestlaste kätes

Õhtuleht 2021 / Lk. 10 <https://dea.digar.ee/article/postimees/2021/11/08/9.3>

Hakkame Kuu peal päikeseplatade tootma? [Võrguväljaanne]

forte.delfi.ee 2022 "[KUULA SAADET | Hakkame Kuu peal päikeseplatade tootma?](#)"

High photosensitivity monograin materials and devices

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

Kas Kuul on elu? Jah, varsti – Eesti teadlaste kaasabiga!

Vill, Ants Director. Inseneeria 2022 / lk. 62-69 : fot https://www.ester.ee/record=b1519314*est <https://director.ee/2022/01/13/kas-kuul-on-elu-jah-varsti-eesti-teadlaste-kaasabiga/> <https://doi.org/10.1016/j.tsf.2021.139068>

Kuul elektri tootmine on eestlaste kätes [Võrguväljaanne]

2021 "<https://digi.geenius.ee/rubriik/teadus-ja-tulevik/kuul-elektri-tootmine-on-eestlaste-kates/>"

Kübeke hõbedat vase asemele päikeseplaatidesse

Vill, Ants Director. Inseneeria 2021 / lk. 50-57 : fot <https://director.ee/2021/02/03/kubeke-hobedat-vase-asemele-paikeseplaatidesse/>
http://www.ester.ee/record=b2336521*est

Monograin layer solar cells

Altosaar, Mare; Jagomägi, Andri; Kauk, Marit; Krunk, 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

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; Meissner, Dieter Proceedings of 12th European Photovoltaic Solar Energy Conference,

Amsterdam, 1994 1994 / p. 1619-1622

Nano-scale sulfurization of the Cu₂ZnSnSe₄ crystal surface for photovoltaic applications

Kauk-Kuusik, Marit; Li, Xiaofeng; Pilvet, Maris; Timmo, Kristi; Mikli, Valdek; Kaupmees, Reelika; Danilson, Mati; Grossberg, Maarja Journal of materials chemistry A 2019 / p. 24884-24890 : ill <https://doi.org/10.1039/C9TA08020A> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Radiative and nonradiative recombination centers in Cl and Na doped CdTe

Altosaar, Mare; Kukk, Peeter-Enn Journal of materials science 2000 / p. 1135-1138
<https://link.springer.com/article/10.1023/A:1004715931935>

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

Leinemann, Inga; Pilvet, Maris; Kaljuvee, Tiit; Traksmaa, Rainer; Altosaar, Mare Journal of thermal analysis and calorimetry 2018 / p. 433–441 <https://doi.org/10.1007/s10973-018-7415-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)
[Article at WOS](#)

Sammhaaval üha paremate päikesepatareide poole

Käärt, Ulvar postimees.ee 2024 [Sammhaaval üha paremate päikesepatareide poole](#)

Spatially resolved opto-electrical performance investigations of Cu₂ZnSnS_{3.2}Se_{0.8} photovoltaic devices

Neubauer, Christian; Samiepour, Ali; Oueslati, Souhaib; Ernits, Kaia; Meissner, Dieter Energy Science & Engineering 2018 / p. 563-569 : ill <https://doi.org/10.1002/ese3.232> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of Cu₂Ge(S,Se)₃ and Cu₂CdGe(S,Se)₄ monograin powders for photovoltaic applications = Cu₂Ge(S,Se)₃ ja Cu₂CdGe(S,Se)₄ monoterapulbrite uurimine ning kasutamine päikesepatareides

Li, Xiaofeng 2022 <https://doi.org/10.23658/taltech.17/2022> <https://digikogu.taltech.ee/et/Item/54ffb72b-bac3-433f-b3bc-30a94df83592>
https://www.ester.ee/record=b5499086*est

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

Klavina, Inga; Kaljuvee, Tiit; Timmo, Kristi; Raudoja, Jaan; Traksmaa, Rainer; Altosaar, Mare; Meissner, Dieter Thin solid films 2011 / p. 7399-7402 <https://www.sciencedirect.com/science/article/pii/S0040609011004305>

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

TalTech teel Kuule Päikest võtma

Vaaks, Eveliis; Raadik, Taavi Trialoog 2025 <https://trialoog.taltech.ee/tehnikaulikool-teel-kuule-paikest-votma/>

Uus materjal suurendab päikesepaneelide tõhusust

Imeline Teadus 2020 / lk. 20 : fot https://www.ester.ee/record=b2747925*est

Некоторые вопросы создания регулярных монокристаллических слоев

Iljina, Natalja; Hiie, Jaan Физическая химия соединений АИБВИ 1981 / с. 13-18 : илл https://www.ester.ee/record=b1533413*est
<https://digikogu.taltech.ee/et/Item/dceb76ed-f60b-4ce9-b87e-618a41d25bb8>

Эстония приложит руку к производству электроэнергии на Луне [Online resource]

rus.postimees.ee 2021 ["Эстония приложит руку к производству электроэнергии на Луне"](#)