

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

Kois, Julia; Gurevits, 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](#)

Chemistry of CdCl₂:O₂ flux for CdTe solar cell technology

Hiie, Jaan; Valdna, Vello; Kois, Julia; Danilson, Mati; Mikli, Valdek Proceedings of the 19th EPVSECE conference 2004 / p. 927

Conductive polymer back contact in CdTe based solar cell

Bereznev, Sergei; Kois, Julia; Volobujeva, Olga; Öpik, Andres EMRS-2009 Spring Meeting, Strasbourg, France, 8-12 of June 2009, Symposium A 2009 / p. 25

CZTS monograin membranes for photoelectrochemical water splitting

Kois, Julia; Galajev, Semjon; Kouhiisfahani, Elham; Neubauer, Christian; Raud, Jaanika; Samiepour, Ali; Taskesen, Teoman; Meissner, Dieter BEC 16 : the 6th Baltic Electrochemistry Conference : Electrochemistry of Functional Interfaces and Materials : 15th-17th June 2016, Helsinki, Finland 2016 / p. 61 : ill

CuInS₂/PEDOT photovoltaic structure

Bereznev, Sergei; Konovalov, Igor; Kois, Julia; Mellikov, Enn; Öpik, Andres Organic and Polymeric Materials and Devices : symposium held April 22-25, 2003, San Francisco, California, USA 2003 / p. 243-248 : ill <https://link.springer.com/article/10.1557/PROC-771-L7.17>

CuInSe₂/polyaniline photovoltaic structure

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

CuInSe₂/polypyrrole photovoltaic structure prepared by electrodeposition

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

CuInSe₂/polypyrrole (polyaniline) photovoltaic structures

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

Direct electrodeposition of CuInSe₂ thin films

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

Effect of composite layers based on dyes with different type of conductivity on photovoltaic properties of CIS films

Verbitsky, Anatoly; Vertsimakha, Yaroslav; Studzinsky, Sergei; Bereznev, Sergei; Kois, Julia Molecular crystals and liquid crystals 2007 / p. 123-133 <https://www.tandfonline.com/doi/full/10.1080/15421400701221245>

Effect of polymer layer deposition and annealing on photovoltaic properties of CuInS₂/polymer structures

Verbitsky, Anatoly; Vertsimakha, Yaroslav; Studzinsky, Sergei; Bereznev, Sergei; Golovtsov, Igor; Kois, Julia; Öpik, Andres; Lytvyn, Oksana Proceedings of the Estonian Academy of Sciences 2009 / 1, p. 18-23 : ill

Electrochemical and photoelectrochemical characterization of SnS photoabsorber films

Kois, Julia; Bereznev, Sergei; Maricheva, Jelena; Naidu, Revathi Materials science in semiconductor processing 2017 / p. 76-81 : ill <https://doi.org/10.1016/j.mssp.2016.10.036> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrochemical deposition of compound semiconductor thin films

Altosaar, Mare; Mellikov, Enn; Kois, Julia; Guo, Yiping; 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 Cu, In and Se for production of CuInSe₂ thin films

Altosaar, Mare; Kois, Julia 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 16

Electrochemical deposition of CuInSe₂

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

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

Kois, Julia 2006

Electrochemical etching of copper indium diselenide surface

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

Electrochemical synthesis of CdSe/CdTe nanowires for hybrid photovoltaic structures

Gurevič, 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

Gurevič, 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

Electrochemically synthesised CdSe nanofibers and pearl-chain nanostructures for photovoltaic applications

Kois, Julia; Bereznev, Sergei; Gurevič, Jelena; Volobujeva, Olga Materials letters 2013 / p. 110-113 : ill
<https://doi.org/10.1016/j.matlet.2012.11.122> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Electrodeposited CDSE nanomatrix for hybrid polymer solar cells

Gurevič, 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

Electrodeposited nanostructured CdSe/CdS matrix for hybrid solar cells [Online resource]

Maricheva, Jelena; Bereznev, Sergei; Maticiu, Natalia; Volobujeva, Olga; Kois, Julia Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill <http://fmdk.ut.ee/teesid/>

Electrodeposited ZnO morphology transformations under the influence of SeO₂ additive: Rods, disks, nanosheets network

Gromōko, Inga; Dedova, Tatjana; Polivtseva, Svetlana; Kois, Julia; Puust, Laurits; Sildos, Ilmo; Mere, Arvo; Krunks, Malle Thin solid films 2018 / p. 10-15 : ill <https://doi.org/10.1016/j.tsf.2017.12.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Electrodeposition of cadmium chalcogenide films for hybrid solar cells = Kaadmiumkalkogeniidkilede elektrokeemiline sadestamine kasutamiseks hübriid-päikesepatareides

Maricheva, Jelena 2017 http://www.ester.ee/record=b4747305*est <https://digi.lib.ttu.ee/i/?9117>

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

Kois, Julia; Bereznev, Sergei; Gurevič, 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; Gurevič, 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 Cu-In-Ga thin metal films for Cu(In, Ga)Se₂ based solar cells

Kois, Julia; Ganchev, M.; Kaelin, M.; Bereznev, Sergei; Tzvetkova, E.; Volobujeva, Olga; Stratieva, N.; Tiwari, A.N. Thin solid films 2008 / 18, p. 5948-5952 : ill <https://www.sciencedirect.com/science/article/pii/S0040609007017415>

Electrodeposition of CuInSe₂ thin films onto Mo-glass substrates

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

Elektrokeemilised CuInS₂/polüüpürrool fotovolt struktuurid

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

Elektrokeemilised CuInSe₂/polüüpürrool struktuurid päikeseenergeetikale

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

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

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

Kois, Julia; Bereznev, Sergei; Raudoja, Jaan; Mellikov, Enn; Öpik, Andres The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6-9, 2004 : abstracts 2004 / p. 44
<https://www.sciencedirect.com/science/article/abs/pii/S0927024804003836>

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

Kois, Julia; Bereznev, Sergei; Raudoja, Jaan; Mellikov, Enn; Öpik, Andres Solar energy materials and solar cells 2005 / p. 657-665 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0927024804003836>

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

Adhikari, Nirmal; Bereznev, Sergei; Laes, Kristjan; Kois, Julia; Volobujeva, Olga; Raadik, Taavi; Öpik, Andres; Traksmaa, Rainer; Tverjanovich, Andrey Baltic Polymer Symposium 2010 : Palanga, September 8-11, 2010 : programme and abstracts 2010 / p. 124 https://www.researchgate.net/publication/257710082_High-Vacuum_Evaporation_of_n-CuIn3Se5_Photoabsorber_Films_for_Hybrid_PV_Structures

Highly conductive PEDOT-PSS back contact layer for CdTe photoabsorber layer in the solar cell

Bereznev, Sergei; Volobujeva, Olga; Laes, Kristjan; Kois, Julia; Öpik, Andres ICSM-2008 : International Conference of Science and Technology of Synthetic Metals : Porto de Galinhas, Brazil, July 6-11, 2008 : book of abstracts 2008 / p. 160
<https://www.sciencedirect.com/science/article/pii/S0040609011000940>

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

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

Hübridsetes fototundlikes struktuurides rakendatavate n-CuIn₃Se₅ fotoabsorberkilede valmistamine kõrgvaakumaurustamise meetodil

Bereznev, Sergei; Adhikari, Nirmal; Kois, Julia; Volobujeva, Olga; Laes, Kristjan; Traksmaa, Rainer; Raadik, Taavi; Öpik, Andres XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 15

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 CuInS₂/polypyrrole and CuInS₂/poly(3,4-ethylenedioxythiophene) photovoltaic structures

Bereznev, Sergei; Konovalov, Igor; Öpik, Andres; Kois, Julia Synthetic metals 2005 / 1/3, p. 81-84 : ill

Hybrid solar cells based on a-Si and electrodeposited polypyrrole

Dosenovicova, Denisa; Bereznev, Sergei; Maricheva, Jelena; Neumüller, A.; Sergeev, O.; **Volobujeva, Olga; Kois, Julia; Öpik, Andres** Baltic Polymer Symposium 2016 : programme and abstracts 2016 / p. 31 : ill

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

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

Hybrid solar cells based on inorganic 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

Improved electrodeposition of CdS layers in presence of activating H₂SeO₃ microadditive

Maricheva, Jelena; Bereznev, Sergei; Naidu, Revathi; Maticuc, Natalia; Mikli, Valdek; Kois, Julia Materials science in semiconductor processing 2016 / p. 14-19 : ill <https://doi.org/10.1016/j.mssp.2016.06.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Volobujeva, Olga; Kois, Julia; Traksmaa, Rainer; Muska, Katri; Bereznev, Sergei; Grossberg, Maarja; Mellikov, Enn Thin solid films 2008 / 20, p. 7105-7109 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0040609007020202>

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

in solar cell

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

Influence of 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

Influence of selenous acid microadditive on electrochemical formation of CdS thin films

Maricheva, Jelena; Bereznev, Sergei; Maticiuc, Natalia; Volobujeva, Olga; Kois, Julia Electrochimica acta 2017 / p. 280-286 : ill <https://doi.org/10.1016/j.electacta.2017.05.035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Low-temperature synthesis of ZnO layers assisted by chemical processes

Polivtseva, Svetlana; Dedova, Tatjana; Bereznev, Sergei; Kois, Julia; Tõnsuaadu, Kaia; Volobujeva, Olga; Juma, Albert Owino 12th European Symposium on Thermal Analysis and Calorimetry ESTAC 12 : 27-30 August 2018, Brasov, Romania : book of abstracts 2018 / PS1.016, p. 200 <http://estac12.org/download.php?f=.../download/BoA%20ESTAC12.pdf>

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

Microwave assisted synthesis of CuInSe2 nanopowder

Gertsin, A.; Muradova, Galina; Shoka, A.; Kim, Dongsoo; Bereznev, Sergei; Tverjanovich, Andrey; **Kois, Julia; Öpik, Andres;** Tveryanovich, Yuri S. Hybrid and Organic Photovoltaic Conference (HOPV09) : 10-13 May 2009, Benidorm, Spain : book of abstracts 2009 / p. 79

A novel thermochemical metal halide treatment to high-performance Sb2Se3 photocathode

Polivtseva, Svetlana; Adegite Olanrewaju, Joseph; **Kois, Julia;** Mamedov, Damir; Zh. Karazhanov, Smagul; **Maricheva, Jelena; Volobujeva, Olga** Nanomaterials 2021 / art. 52, 14 p <https://doi.org/10.3390/nano11010052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

One-source PVD of n-CuIn5Se8 photoabsorber films for hybrid solar cells

Bereznev, Sergei; Adhikari, Nirmal; Kois, Julia; Raadik, Taavi; Traksmaa, Rainer; Volobujeva, Olga; Kouhiisfahani, Elham; Öpik, Andres Solar energy 2013 / p. 202-208 : ill <https://doi.org/10.1016/j.solener.2013.04.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

One-stage pulsed laser deposition of conductive zinc oxysulfide layers

Bereznev, Sergei; Kocharyan, Hrachya; **Maticiuc, Natalia; Naidu, Revathi; Volobujeva, Olga;** Tverjanovich, Andrey; **Kois, Julia** Applied surface science 2017 / p. 722-727 : ill <https://doi.org/10.1016/j.apsusc.2017.07.078> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

One-step electrochemical deposition of CuInSe2 absorber layers

Kois, Julia; Volobujeva, Olga; Bereznev, Sergei Physica status solidi (c) 2008 / 11, p. 3441-3444 : ill

Optoelectronic surface emitters of terahertz radiation from copper chalcogenides

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

Photo-assisted electrodeposition of polypyrrole back contact to CdS/CdTe solar cell structures

Jarkov, Aleksandr; Bereznev, Sergei; Kois, Julia; Volobujeva, Olga; Öpik, Andres E-MRS Spring Meeting 2012 - Symposium B : Strasbourg, France, May 14-18, 2012 : program and abstract book 2012 / p. 8

Photoelectrochemical deposition of PPY onto hydrogenated A-Si for optoelectronic applications

Dosenovicova, Denisa; Maricheva, Jelena; Neumüller, Alex; Sergeev, Oleg; **Volobujeva, Olga;** Nasibulin, Albert; **Kois, Julia; Öpik, Andres; Bereznev, Sergei** Open Readings 2017 : 60th International Conference for Students of Physics and Natural Sciences, March 14-17, 2017, Vilnius, Lithuania : programme and abstracts 2017 / p. 241 http://www.openreadings.eu/wp-content/uploads/2017/03/OR2017_abstracts_book.pdf

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

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**; Tverjanovich, Yuri S. Proceedings of the Estonian Academy of Sciences 2009 / 1, p. 24-28 : ill

Polypyrrole back contact to CDS/CDTE solar cell structures by photo-assisted electrodeposition technique

Jarkov, Aleksandr; **Bereznev, Sergei**; **Kois, Julia**; **Volobujeva, Olga**; **Öpik, Andres** Baltic Polymer Symposium 2012 : Liepaja, Latvia, September 19-22 : programme and proceedings 2012 / p. 42

Polypyrrole back-contact to CdS/CdTe solar cell

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

Polypyrrole electrodeposition on inorganic semiconductors CuInSe₂ and CuInS₂ for photovoltaic applications

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

Polypyrrole electrodeposition on inorganic semiconductors CuInSe₂ and CuInS₂ for photovoltaic applications

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

Polypyrrole electrodeposition on inorganic semiconductors CuInSe₂ and CuInS₂ for photovoltaic applications

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

Polypyrrole photovoltaic structure prepared by electrodeposition

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

Preparation and characterization of Cu(In,Ga)Se₂ layers by selenization of electrodeposited Cu-In-Ga precursors

Kois, Julia; Ganchev, M.; Kaelin, M.; **Bereznev, Sergei**; Tzvetkova, E.; **Volobujeva, Olga**; Stratieva, N.; Tiwari, A. 20th European Photovoltaic Solar Energy Conference : 6-10 June 2005, Barcelona, Spain 2005 / p. 1790-1792 : ill
<https://www.sciencedirect.com/science/article/pii/S0040609005022935>

Preparation of Cu(In,Ga) Se₂ layers by selenization of electrodeposited Cu-In-Ga precursors

Ganchev, M.; **Kois, Julia**; Kaelin, M.; **Bereznev, Sergei**; Tzvetkova, E.; **Volobujeva, Olga**; Stratieva, N.; Tiwari, A. Thin solid films 2006 / p. 325-327 <https://www.sciencedirect.com/science/article/abs/pii/S0040609005022935>

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

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

Properties of the CuInS₂ surface and the effect of organic layers

Verbitsky, Anatoly; Vertsimakha, Yaroslav; Lutsyk, P.N.; Studzinsky, Sergei; **Bereznev, Sergei**; **Kois, Julia** Semiconductor structures, interfaces, and surfaces 2006 / 2, p. 197-201 : ill

PVD of N-CuIn₃Se₅ photoabsorber films

Adhikari, Nirmal; **Bereznev, Sergei**; **Kois, Julia**; **Volobujeva, Olga**; Raadik, Taavi; Traksmäa, Rainer; Tverjanovich, Andrey; **Öpik, Andres** Materials and applications for sensors and transducers 2012 / p. 339-342
https://www.researchgate.net/publication/272070024_PVD_OF_n-CuIn3Se5_photoabsorber_films

PVD of n-CuIn₅Se₈ photoabsorber films for hybrid solar cells

Adhikari, Nirmal; **Bereznev, Sergei**; **Kois, Julia**; **Volobujeva, Olga**; Raadik, Taavi; Traksmäa, Rainer; Dahal, R.K.; Tverjanovich, Andrey; **Öpik, Andres** Baltic Polymer Symposium 2012 : Liepaja, Latvia, September 19-22 : programme and proceedings 2012 / p. 29

Päikeseelemendid H₂S atmosfääris kuumutamise ja modifitseeritud elektrokeemiliselt sadestatud CuInSe₂ kilede baasil

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

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

Selective photoelectrochemical deposition of polypyrrole onto hydrogenated a-Si for optoelectronic applications

Dosenovicova, Denisa; Maricheva, Jelena; Neumüller, Alex; Sergeev, Oleg; **Volobujeva, Olga;** Nasibulin, Albert; **Kois, Julia; Öpik, Andres; Bereznev, Sergei** Materials science in semiconductor processing 2017 / p. 1-5 : ill
<https://doi.org/10.1016/j.mssp.2017.05.028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Solution-mediated inversion of SnSe to Sb₂Se₃ thin-films

Polivtseva, Svetlana; Kois, Julia; **Kruzhilina, Tatiana; Kaupmees, Reelika; Klopov, Mihhail;** Molaiyan, Palanivel; van Gog, Heleen; van Huis, Marijn A.; **Volobujeva, Olga** Nanomaterials 2022 / art. 2898 <https://doi.org/10.3390/nano12172898> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Synthesis of CuInSe₂ nanopowder in polyethylene glycol

Tverjanovich, Andrey; **Bereznev, Sergei;** Gertsin, A.; Muradova, Galina; Shoka, A.; Kim, Dongsoo; **Kois, Julia; Öpik, Andres;** Tveryanovich, Yuri S. Baltic Polymer Symposium 2009 : Ventspils, Latvia, September 22-25, 2009 : programme and proceedings 2009 / p. 102

Synthesis of CuInSe₂ nanopowder in polyethylene glycol

Tverjanovich, Andrey; **Bereznev, Sergei;** Gertsin, Andrejs; Muradova, Galina; Shoka, Andrejs; Kim, Dongsoo; **Kois, Julia; Öpik, Andres;** Tveryanovich, Yuri S. Scientific journal of Riga Technical University. Series 1, Material science and applied chemistry 2010 / p. 79-83 : ill <https://ortus.rtu.lv/science/en/publications/8070>

Terahertz radiation from nonstoichiometric CuInSe₂ films excited by femtosecond laser pulses

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

The cost-effective deposition of ultra-thin titanium(IV) oxide passivating layers for improving photoelectrochemical activity of SnS electrodes

Kois, Julia; Polivtseva, Svetlana; Bereznev, Sergei Thin solid films 2019 / p. 152-156 : ill <https://doi.org/10.1016/j.tsf.2018.12.047>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Visible light-assisted instability of kesterite Cu₂ZnSnS₄ : what are the implications?

Kois, Julia; Polivtseva, Svetlana; Mamedov, Damir; Samieipour, Ali; Karazhanov, S. Zh. Solar energy materials and solar cells 2020 / art. 110384, 10 p <https://doi.org/10.1016/j.solmat.2019.110384> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Õhukeste CuInSe₂ kilede saamine elektrokeemiliselt sadestatud elementidest

Altosaar, Mare; Kois, Julia XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 16

Свойства поверхности CuInS₂ и влияние на них органических слоев

Verbitsky, Anatoly; Vertsimakha, Yaroslav; Lutsyk, P.N.; Studzinsky, Sergei; **Bereznev, Sergei; Kois, Julia** Физика и техника полупроводников 2006 / 2, с. 202-206 : ил

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

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