Advancing green hydrogen production : synthesizing and analyzing nickel and iron micro-flower shaped electrocatalysts on Ni-mesh for alkaline water electrolysis
Jäger, Rutha; Valk, Peeter; Grozovski, Vitali; **Volobujeva, Olga**; Prits, Alise-Valentine; Maide, Martin; Küngas, Rainer; Lust, Enn; Nerut, Jaak 246th ECS Meeting PRiME 2024; Honolulu, Hawaii, USA; October 6-11, 2024 https://doi.org/10.1149/MA2024-02422814mtgabs

Aerosol-assisted fine-tuning of optoelectrical properties of SWCNT films
Tsapenko, Alexey; Romanov, Stepan; Satco, Daria; **Volobujeva, Olga**; **Danilson, Mati** The journal of physical chemistry letters 2019 / p. 3961-3965 : ill https://doi.org/10.1021/acs.jpclett.9b01498 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Anion effect of zinc source to chemically deposited ZnS(O,OH) films
Ernits, Kaia; **Muska, Katri**; **Danilson, Mati**; **Raudoja, Jaan**; **Varema, Tiit**; **Volobujeva, Olga**; **Altosaar, Mare** Advances in material science and engineering 2009 / [5] p. : ill

Annealing effect for SnS thin films prepared by high-vacuum evaporation
Revathi, Naidu; **Bereznev, Sergei**; **Loorits, Mihkel**; **Raudoja, Jaan**; **Lehner, Julia**; **Gurevitš, Jelena**; **Traksmaa, 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

Antistruktuurkorrastamatus ja p-tüüpi elektrijuhtivus tsinksulfiidis
Lott, Kalju; **Türn, Leo**; **Volobujeva, Olga**; Leskelä, M. XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 75-76

Assessment of mechanically mixed layer developed during high temperature erosion of cermets
Antonov, Maksim; **Hussainova, Irina**; **Pirso, Jüri**; **Volobujeva, Olga** Wear 2007 / 2, p. 878-886 : ill

Bifunctional platinum-free mixed metal oxygen electrocatalysts based on naturally abundant peat
Teppor, Patrick; Jäger, Rutha; Härmas, Meelis; Aruväli, Jaan; **Volobujeva, Olga**; Koppel, Mirjam; Lust, Enn ECS Meeting Abstracts 2022 / p. 29-37 : ill https://doi.org/10.1149/10807.0029ecst Journal metrics at Scopus Article at Scopus

Carbon aerogel platinum-praseodymium oxide nanocatalyst for methanol oxidation in 0.5 M sulfuric acid : (digital presentation)
Prits, Alise-Valentine; Nerut, Jaak; Kasuk, Heili; **Koel, Mihkel**; Sepp, Silver; Valk, Peeter; Aruväli, Jaan; Koppel, Miriam; **Mikli, Valdek**; **Volobujeva, Olga**; Lust, Enn ECS transactions 2022 / art. 79 https://doi.org/10.1149/10807.0079ecst Journal metrics at Scopus Article at Scopus

Carrier collection losses in interface passivated amorphous silicon thin-film solar cells
Neumüller, A.; **Bereznev, Sergei**; Ewert, M.; **Volobujeva, Olga** Applied physics letters 2016 / p. 043903-1 - 043903-4 : ill https://doi.org/10.1063/1.4959995 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

CdSe nanofiber and nanohorn structures on ITO substrates fabricated by electrochemical deposition
Kois, Julia; **Gurevitš, Jelena**; **Bereznev, Sergei**; **Volobujeva, Olga**; **Öpik, Andres**; **Mellikov, Enn** Applied surface science 2013 / p. 982-985 : ill https://doi.org/10.1016/j.apsusc.2013.07.056 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Characterization of nanoporous TiO2 films prepared by sol-gel method
Sabataityte, Julija; **Oja, Ilona**; Lenzmann, Frank; **Volobujeva, Olga**; **Krunks, Malle** Comptes rendus chemie 2006 / p. 708-712 : ill

Characterization of nanoporous TiO2 films prepared by sol-gel method
Sabataityte, Julija; **Oja, Ilona**; Lenzmann, F.; **Volobujeva, Olga**; **Krunks, Malle** IPS 15 : 2004 : proceedings 2004 / ? p

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 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 diffusion in undoped ZnS and undoped CdSe
Lott, Kalju; **Nirk, Tiit**; **Volobujeva, Olga** E-MRS Spring Meeting 2002 : June 18-21, 2002. Symposium L, Chrystal Chemistry of Fundamental Materials II 2002 / p. L-10

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 self-diffusion in undoped ZnS and in undoped CdSe
Lott, Kalju; **Nirk, Tiit**; **Volobujeva, Olga** Crystal engineering 2002 / 3/4, Special issue, Crystal chemistry of functional materials II : proceedings of Symposium L, E-MRS Spring Meeting : June 18-21, 2002, p. 147-153 : ill

Chemical spray deposition of zinc oxide nanostructured layers from zinc acetate solutions
Dedova, Tatjana; **Klauson, Jelena**; Badre, C.; Pauporte, Th.; **Nisumaa, Reet**; **Mere, Arvo**; **Volobujeva, Olga**; **Krunks, Malle**
Physica status solidi (a) : applications and materials science 2008 / 10, p. 2355-2359 : ill
https://onlinelibrary.wiley.com/doi/abs/10.1002/pssa.200779440

Chloromethylation of lignin as a route to functional material with catalytic properties in cross-coupling and click reactions
Mohan, Mahendra Kothottil; **Silenko, Oleg**; **Krasnou, Illia**; **Volobujeva, Olga**; **Kulp, Maria**; **Ošeka, Maksim**; **Lukk, Tiit**; **Karpichev, Yevgen** ChemSusChem 2024 / art. e202301588 https://doi.org/10.1002/cssc.202301588 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Chloromethylation of lignin as a route to functional material with catalytic properties in cross-coupling and click reactions : preprint
Mohan, Mahendra Kothottil; **Silenko, Oleg**; **Krasnou, Illia**; **Volobujeva, Olga**; **Kulp, Maria**; **Ošeka, Maksim**; **Lukk, Tiit**; **Karpichev, Yevgen** ChemRxiv 2023 / 20 p https://doi.org/10.26434/chemrxiv-2023-w98xc

Cobalt and nitrogen co-doped peat derived carbon based catalysts for oxygen reduction
Jäger, Rutha; Teppor, Patrick; Härk, Eneli; Härmas, Meelis; Adamson, Anu; Paalo, Maarja; **Volobujeva, Olga**; Kikas, Arvo; Kochovski, Zdravko; Romann, Tavo ECS Transactions 2020 / p. 605-613 : ill https://doi.org/10.1149/09707.0605ecst Journal metrics at Scopus Article at Scopus

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

A comparative study of the growth dynamics and tribological properties of nanocrystalline diamondfilms deposited on the (110) single crystaldiamond and Si(100) substrates
Podgurski, Vitali; **Bogatov, Andrei**; **Yashin, Maxim**; **Viljus, Mart**; **Volobujeva, Olga**; **Mere, Arvo**; **Raadik, Taavi** Diamond and related materials 2019 / p. 159-167 : ill https://doi.org/10.1016/j.diamond.2018.12.024 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Conductive polymer PEDOT:PSS back contact for CdTe solar cell
Jarkov, Aleksandr; **Bereznev, Sergei**; **Laes, Kristjan**; **Volobujeva, Olga**; **Traksmaa, Rainer**; **Öpik, Andres**; **Mellikov, Enn** Thin solid films 2011 / p. 7449-7452 : ill

Corrigendum to "Fabrication of novel SiOxNy/SWCNT laminate-type composite protective coating using low-temperature approach" [Ceram. Int. 50 (2024) 34312–34320, (S0272884224026634), (10.1016/j.ceramint.2024.06.250)]
Shmagina, Elizaveta; **Volobujeva, Olga**; Nasibulin, Albert; **Bereznev, Sergei** Ceramics international 2025 / art. 48887 https://doi.org/10.1016/j.ceramint.2024.09.158 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 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

Cu2ZnSnSe4 films by selenization of Sn-Zn-Cu sequential films
Volobujeva, Olga; **Raudoja, Jaan**; **Mellikov, Enn**; **Grossberg, Maarja**; **Bereznev, Sergei**; **Traksmaa, Rainer** Journal of physics and chemistry of solids 2009 / p. 567-570 : ill

Cu2ZnSnSe4 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

Cu2ZnSnSe4 thin films by selenization of stacked binaries
Volobujeva, Olga; **Mellikov, Enn**; **Bereznev, Sergei**; **Raudoja, Jaan**; **Otto, Kairi**; **Pilvet, Maris**; **Raadik, Taavi** E-MRS Spring Meeting 2012 - Symposium B : Strasbourg, France, May 14-18, 2012 : program and abstract book 2012 / p. 20

Cu2ZnSnSe4 thin films produced by selenization of Cu-Zn-Sn composition precursor films
Volobujeva, Olga; **Mellikov, Enn**; **Bereznev, Sergei**; **Raudoja, Jaan**; **Öpik, Andres**; **Raadik, Taavi** Materials Challenges in Alternative and Renewable Energy: a collection of papers presented at the Materials Challenges in Alternative and Renewable Energy Conference February 21-24, 2010, Cocoa Beach, Florida 2011 / p. 257-263

Cu2(ZnxSn2-x)(SySe1-y)4 monograin materials for photovoltaics
Mellikov, Enn; **Altosaar, Mare**; **Raudoja, Jaan**; **Timmo, Kristi**; **Volobujeva, Olga**; **Kauk, Marit**; **Krustok, Jüri**; **Varema, Tiit**; **Grossberg, Maarja**; **Danilson, Mati**; **Muska, Katri**; **Ernits, Kaia**; **Lehner, Franz**; **Meissner, Dieter** Materials Challenges in Alternative and Renewable Energy: a collection of papers presented at the Materials Challenges in Alternative and Renewable Energy Conference February 21-24, 2010, Cocoa Beach, Florida 2011 / p. 137-142 : ill

Cu-In and Cu-Zn-Sn films as precursors for production of CuInSe2 and Cu2ZnSnSe4 thin films
Volobujeva, Olga; **Mellikov, Enn**; **Raudoja, Jaan**; **Bereznev, Sergei**; **Pilvet, Maris** Thin-film compound semiconductor photovoltaics - 2009 2009 / p. M05-40

CuInS2–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

Deposition and characterization of zinc–tin oxide thin films with varying material compositions
Spasova, Stanka; Dulev, Vladimir; Benkovsky, Alexander; Palankovski, Vassil; Radeva, Ekaterina; Stoykov, Rumen; Nenova, Zoya; Dikov, Hristosko; **Katerski, Atanas**; **Volobujeva, Olga** Coatings 2025 / art. 225 https://doi.org/10.3390/coatings15020225

Development of porous TiO2 thin films by sol-gel process
Oja, Ilona; **Sabataityte, Julija**; **Volobujeva, Olga**; **Krunks, Malle** The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6-9, 2004 : abstracts 2004 / p. 46

(Digital) Oxygen reduction reaction on waste tire derived carbon material and synthesized non-platinum group metal catalysts in alkaline solution
Laanemäe, Joel; Jäger, Rutha; Teppor, Patrick; **Volobujeva, Olga**; Lust, Enn ECS Meeting Abstracts 2022 / p. 39-47 : ill https://doi.org/10.1149/10807.0039ecst Journal metrics at Scopus Article at Scopus

Directional conductivity in layered alumina
Hussainova, Irina; **Saffarshamshirgar, Ali**; **Ivanov, Roman**; **Volobujeva, Olga**; Romanov, Alexey; Gasik, Michael Current applied physics 2022 / p. 68-73 : ill https://doi.org/10.1016/j.cap.2020.06.009 Journa metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of substrate morphology on the nucleation and growth of ZnO nanorods prepared by spray pyrolysis
Dedova, Tatjana; **Oja Acik, Ilona**; **Krunks, Malle**; **Mikli, Valdek**; **Volobujeva, Olga**; **Mere, Arvo** Thin solid films 2012 / p. 4650-4653 : ill https://www.sciencedirect.com/science/article/abs/pii/S0040609011020827

Effect of the substrate surface on properties of RF sputtered magnetronantimony selenide (Sb2Se3) for thin-films
Uslu, Mehmet Ender; **Grossberg, Maarja**; **Volobujeva, Olga** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 86 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

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 https://www.sciencedirect.com/science/article/pii/S1876610211020030

Efficient defect-driven cation exchange beyond the nanoscale semiconductors toward antibacterial functionalization
Polivtseva, Svetlana; **Volobujeva, Olga**; **Kuznietsov, Ivan**; **Kaupmees, Reelika**; **Danilson, Mati**; **Krustok, Jüri**; Molaiyan, Palanivel; Hu, Tao; Lassi, Ulla; **Klopov, Mihhail**; van Gog, Heleen; van Huis, Marijn A.; Kaur, Harleen; Ivask, Angela; Rosenberg, Merilin; Gathergood, Nicholas; Ni, Chaoying; **Grossberg-Kuusk, Maarja** ACS applied materials & interfaces 2024 / p. 62871-62882 https://doi.org/10.1021/acsami.4c11425 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrochemical etching of copper indium diselenide surface
Kois, Julia; **Bereznev, Sergei**; **Volobujeva, Olga**; **Mellikov, Enn** Thin solid films 2006 / 15, p. 5871-5875 : ill

Electrochemically synthesised CdSe nanofibers and pearl-chain nanostructures for photovoltaic applications
Kois, Julia; **Bereznev, Sergei**; **Gurevitš, 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**; Gurevitš, Jelena; **Mellikov, Enn** Journal of crystal growth 2011 / p. 9-12 : ill

Electrodeposited molybdenum oxide coatings for thin film chalcopyrite solar cells
Ganchev, Maxim; Dimitrov, Dimiter; Stankova, Stanka; **Katerski, Atanas**; Gadjov, Iliya; **Volobujeva, Olga**; **Mere, Arvo**; **Bereznev, Sergei**; **Krunks, Malle** 10th Jubilee Conference of the Balkan Physical Union 2019 / art. 140002 https://doi.org/10.1063/1.5091317 Conference proceedings at Scopus Article at Scopus Article at WOS

Electrodeposited nanostructured CdSe/CdS matrix for hybrid solar cells [Online resource]
Maricheva, Jelena; **Bereznev, Sergei**; **Maticiuc, 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://fmtdk.ut.ee/teesid/

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 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

Exploring different synthesis parameters for the preparation of metal-nitrogen-carbon type oxygen reduction catalysts
Teppor, Patrick; Jäger, Rutha; Härk, Eneli; Sepp, Silver; Kook, Mati; **Volobujeva, Olga**; Paiste, Päärn; Kochovski, Zdravko; Tallo, Indre; Lust, Enn Journal of the Electrochemical Society 2020 / art. 054513 https://doi.org/10.1149/1945-7111/ab7093 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Faasiüleminek tahketes lahustes CdSexTe1-x
Volobujeva, Olga; **Nirk, Tiit** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 161

Fabrication of novel SiOxNy/SWCNT laminate-type composite protective coating using low-temperature approach
Shmagina, Elizaveta; **Volobujeva, Olga**; **Nasibulin, Albert**; **Bereznev, Sergei** Ceramics international 2024 / p. 34312-34320 https://doi.org/10.1016/j.ceramint.2024.06.250 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Formation of Cu2ZnSnS4 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 Cu2ZnSnSe4 thin films by selenization of electrodeposited stacked binary alloy layers
Ganchev, Maxim; **Kaupmees, Liina**; **Iljina, Julia**; **Raudoja, Jaan**; **Altosaar, Mare**; **Volobujeva, Olga**; **Mellikov, Enn**; **Varema, Tiit**; Dikov, H. Proceedings of EMRS, Strasbourg, June 2009 2009 / ? p
https://www.researchgate.net/publication/248608013_Formation_of_Cu2ZnSnSe4_thin_films_by_selenization_of_electrodeposited_stacked_binary_alloy_layers

Formation of Cu2ZnSnSe4 thin films by selenization of electrodeposited stacked binary alloy layers
Ganchev, Maxim; **Kaupmees, Liina**; **Iljina, Julia**; **Raudoja, Jaan**; **Volobujeva, Olga**; Dikov, H.; **Altosaar, Mare**; **Mellikov, Enn**; **Varema, Tiit** Energy procedia 2010 / 1, p. 65-70 : ill
https://www.researchgate.net/publication/248608013_Formation_of_Cu2ZnSnSe4_thin_films_by_selenization_of_electrodeposited_stacked_binary_alloy_layers

Formation of CUIZnSnSI and CUIZnSnSeI by chalcogenisation of electrochemically deposited precursor layers = CUIZnSnSeI ja CUIZnSnSI moodustumine elektrokeemiliselt sadestatud kihtide kalkogeniseerimisel
Lehner, Julia 2014 https://www.ester.ee/record=b3080859*est

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

Growth of zinc oxide nanostructured layers on SnO2 electrodes by spray pyrolysis
Dedova, Tatjana; **Volobujeva, Olga**; **Gromõko, Inga**; **Mikli, Valdek**; **Mere, Arvo**; **Krunks, Malle** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" 2013 / [1] p

Growth of ZnO rods on FTO electrodes by spray pyrolysis
Dedova, Tatjana; **Volobujeva, Olga**; **Krunks, Malle**; **Mikli, Valdek**; **Gromõko, Inga**; **Katerski, Atanas**; **Mere, Arvo** IOP conference series : materials science and engineering 2013 / [4] p. : ill https://doi.org/10.1088/1757-899X/49/1/012001 Conference Proceedings at Scopus Article at Scopus Article at WOS

Hierarchical nanostructures of ZnO obtained by spray pyrolysis
Dedova, Tatjana; **Krunks, Malle**; **Oja Acik, Ilona**; **Klauson, Deniss**; **Volobujeva, Olga**; **Mere, Arvo** Materials chemistry and physics 2013 / p. 69-75 : ill https://doi.org/10.1016/j.matchemphys.2013.04.026 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High temperature electrical conductivity in Cu-doped ZnS
Lott, Kalju; **Türn, Leo**; **Volobujeva, Olga**; Leskelä, M. Physica status solidi (b) 2002 / 1/2, proceedings [of] the Tenth International Conference on II-VI Compounds, September 9-14, 2001, Bremen, Germany, p. 361-364 : ill

High temperature electrical conductivity in donor-doped II-VI compounds
Lott, Kalju; **Volobujeva, Olga**; **Öpik, Andres**; **Nirk, Tiit**; **Türn, Leo**; Nõges, M. Physica status solidi (c) 2003 / 2, Proceedings 10th International Conference on Shallow Level Centers in Semiconductors (SLCS-10) : Warsaw, Poland, 24-27 July 2002, p. 618-621 : ill https://onlinelibrary.wiley.com/doi/abs/10.1002/pssc.200306185

High temperature electrical conductivity in donor-doped II-VI compounds
Lott, Kalju; **Volobujeva, Olga**; **Öpik, Andres**; **Nirk, Tiit**; **Türn, Leo**; Nõges, M. 10th International Conference on Shallow-level Centers in Semiconductors : SLCS-10, Warsaw, Poland, July 24-27, 2002 : program & abstracts 2002 / p. 42

High temperature electrical conductivity in Ga and In solubility limit region in ZnS
Lott, Kalju; **Raukas, Maie**; **Volobujeva, Olga**; Vishnjakov, A.; Grebennik, A. International journal of inorganic materials 2001 / 8, p. 1345-1347 : ill

High temperature electrical conductivity in ZnSe:In and in CdSe:In under selenium vapor pressure
Lott, Kalju; **Šinkarenko, Svetlana**; **Volobujeva, Olga**; **Türn, Leo**; **Nirk, Tiit**; **Öpik, Andres**; **Nisumaa, Reet**; **Kallavus, Urve**; Nõges, M.; **Mikli, Valdek**; **Viljus, Mart**; Gorokhova, Elena; Ananjeva, G.; Grebennik, A.; Vishnjakov, A. Physica status solidi (b) 2007 / 5, p. 1623-1626
https://www.researchgate.net/publication/238892320_High_temperature_electrical_conductivity_in_ZnSeIn_and_in_CdSeIn_under_selenium_vapor_pressure

High temperature electrical conductivity in the Ag solubility limit region in ZnS and in CdSe
Lott, Kalju; **Nirk, Tiit**; **Raukas, Maie**; **Volobujeva, Olga**; **Öpik, Andres**; Vishnjakov, A. International journal of inorganic materials 2001 / 8, p. 1295-1297 : ill

High temperature electrical conductivity in the Cu-doped ZnS
Lott, Kalju; **Türn, Leo**; **Volobujeva, Olga**; Leskelä, M. The Tenth International Conference on II-VI Compounds (II-VI 2001) : September 9-14, 2001, Bremen, Germany : [abstracts] 2001 / p. Tu-P29

High temperature electrical conductivity of undoped ZnS
Lott, Kalju; **Türn, Leo**; **Volobujeva, Olga**; Leskelä, M. The 21st International Conference on Defects in Semiconductors : ICDS : July 16-20, 2001, Gissen (Germany) 2001 / p. 310

High temperature electrical conductivity of undoped ZnS
Lott, Kalju; **Türn, Leo**; **Volobujeva, Olga**; Leskelä, M. Physica B 2001 / p. 932-934 : ill

High temperature investigation of ZnS:Ga and CdSe:Ga
Lott, Kalju; **Nirk, Tiit**; **Volobujeva, Olga**; **Šinkarenko, Svetlana**; **Türn, Leo**; **Kallavus, Urve**; Grebennik, A.; Vishnjakov, A. Physica B 2006 / Proceedings of the 23rd International Conference on Defects in Semiconductors : ICDS-23 : held in Awaji Island, Japan, 24-29 July, 2005. p. 764-766 : ill https://www.sciencedirect.com/science/article/pii/S0921452605015796

High temperature investigation of ZnS:Ga and CdSe:Ga
Lott, Kalju; **Nirk, Tiit**; **Volobujeva, Olga**; **Šinkarenko, Svetlana**; Grebennik, A.; Vishnjakov, A. The 23rd International Conference on Defects in Semiconductors : ICDS-23 : Awaji island, Japan, July 24 - July 29, 2005 : program and abstracts 2005 / p. 210 : ill

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

High vacuum evaporation of n-CuIn3Se5 photoabsorber films for hybrid structures
Adhikari, Nirmal; **Bereznev, Sergei**; **Laes, Kristjan**; **Volobujeva, Olga**; **Öpik, Andres** EMRS-2010 Spring Meeting : Strasbourg, France, June 7-11 : program and book of abstracts. Symposion M 2010 / p. 8

Highly active Fe-N/C oxygen electrocatalysts based on silicon carbide derived carbon
Teppor, Patrick; Jäger, Rutha; Hints, J.; **Volobujeva, Olga**; Valk, Peeter; Koppel, Miriam; Lust, Enn Polymer Electrolyte Fuel Cells & Electrolyzers 20 (PEFC & E 20) 2020 / p. 607 - 615 https://doi.org/10.1149/09809.0607ecst Conference Proceedings at Scopus Article at Scopus

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-temperature electrical conductivity of codoped ZnS and CdSe
Lott, Kalju; **Volobujeva, Olga**; **Nirk, Tiit**; **Türn, Leo**; **Öpik, Andres**; Gorohova, E. Physica B 2003 / p. 263-266 : ill

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

Hübriidsetes 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 nanocomposites and ultrastable metal nanoparticles studied for the development of applications in nanomedicine, water purification and energy harvesting
Rauwel, Erwan; **Rauwel, Protima**; **Küünal, Siim**; Volobujeva, Olga; Ivask, Angela; Galeckas, Augustinas; Duqroquet, F.; Wragg, David EMN Meeting on Nanoparticles 2017 : May 9th to 13th, 2017 in San Sebastian, Spain 2017 / [1] p

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

Hydrogen post-treatment enhances the electrochemical activity of Pt-CeO2/C catalysts
Nguyen, Huy Quí Vinh; Kasuk, Heili; Härmas, Meelis; Aruväli, Jaan; **Volobujeva, Olga**; Härk, Eneli; Kochovski, Zdravko; Lust, Enn; Nerut, Jaak 8th Baltic Electrochemistry Conference. Conference Abstract 2024 / 1 p. https://sisu.ut.ee/wp-content/uploads/sites/638/nguyen_huy_qui_vinh_.pdf

Impact of Cu2ZnSn(SexS1-x)4 (x=0.3) compositional ratios on the monograin powder properties and solar cells
Muska, Katri; **Kauk-Kuusik, Marit**; **Grossberg, Maarja**; **Altosaar, Mare**; **Pilvet, Maris**; **Varema, Tiit**; **Timmo, Kristi**; **Volobujeva, Olga**; **Mere, Arvo** Thin solid films 2013 / p. 35-38 : ill https://doi.org/10.1016/j.tsf.2012.10.031 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of vacuum and nitrogen annealing on HVE SnS photoabsorber films
Revathi, Naidu; **Loorits, Mihkel**; **Kärber, Erki**; **Volobujeva, Olga**; **Raudoja, Jaan**; **Maticiuc, Natalia**; **Bereznev, Sergei**; **Mellikov, Enn** Materials science in semiconductor processing 2017 / p. 252-257 : ill https://doi.org/10.1016/j.mssp.2017.08.004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impacts of different solvents and substrates on properties of zinc oxide nanorod layers prepared by chemical spray pyrolysis
Annert, Katre; **Vent, Merike**; **Dedova, Tatjana**; **Kärber, Erki**; **Oja Acik, Ilona**; **Volobujeva, Olga**; **Mere, Arvo**; **Krunks, Malle**; **Mikli, Valdek** Proceedings of CYSENI 2010 : the 7th Annual Conference of Young Scientists on Energy Issues : May 27-28, 2010, Kaunas, Lithuania 2010 / p.301-309

Improved amorphous silicon passivation layer for heterojunction solar cells with post-deposition plasma treatment
Neumüller, Alex; Sergeev, Oleg; Heise, Stephan J.; **Bereznev, Sergei**; **Volobujeva, Olga** Nano energy 2018 / p. 228-235 : ill https://doi.org/10.1016/j.nanoen.2017.11.053 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Indium sulfide thin films deposited by chemical spray of aqueous and alcoholic solutions
Otto, Kairi; **Katerski, Atanas**; **Volobujeva, Olga**; **Mere, Arvo**; **Krunks, Malle** Energy procedia 2011 / p. 63-69

In-doping of II-VI compounds [Electronic resource]
Lott, Kalju; **Šinkarenko, Svetlana**; **Volobujeva, Olga**; **Türn, Leo**; **Nirk, Tiit**; **Nisumaa, Reet**; Nõges, M.; **Kallavus, Urve** VII международная конференция Прикладная оптика : 2006, 16-20 октября, Санкт-Петербург 2006 / [5] p. : ill. [CD-ROM]

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 A-Site Deficiency and Ca Concentration on the Electrical and Crystallographic Properties of (Nd0.2Sr0.7-xCax)yTi0.95Fe0.05O3−δ-Based Fuel Electrode for Solid Oxide Cells
Paydar, Sara; Kooser, Kuno; **Volobujeva, Olga**; Granroth, Sari; Nurk, Gunnar ACS Applied Energy Materials 2024 / p. 5745 - 5754 https://doi.org/10.1021/acsaem.4c00824 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of A-site modifications on the properties of La0.21Sr0.74−xCaxTi0.95Fe0.05O3−δ based fuel electrode for solid oxide cell
Paydar, Sara; Kooser, Kuno; Möller, Priit; **Volobujeva, Olga**; Granroth, Sari; Lust, Enn; Nurk, Gunnar Journal of The Electrochemical Society 2023 / art. 054502, 10 p. : ill https://doi.org/10.1149/1945-7111/acd084 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Influence of Ni concentration on electrochemical and crystallographic properties of La0.25Sr0.25Ca0.4Ti1−xNixO3−δ solid oxide fuel cell anode
Korjus, Ove; Möller, Priit; Kooser, Kuno; Käämbre,Tanel; **Volobujeva, Olga**; Nerut, Jaak; Kotkas, S.; Lust, Enn; Nurk, Gunnar Journal of Power Sources 2021 / Art. n.r 229739 https://doi.org/10.1016/j.jpowsour.2021.229739 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 PH on the hydroxide impurities in chemically deposited CDS thin film
Üürike, Marvin; **Maticiuc, Natalia**; **Volobujeva, Olga**; **Spalatu, Nicolae**; **Hiie, Jaan** The 14th International Conference of Young Scientists on Energy Issues : Kaunas, Lithuania, May 25-26, 2017 2017 / p. X-316 - X-323 : ill http://cyseni.com/archives/proceedings/Proceedings_of_CYSENI_2017.pdf

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

The interaction pathway in the mechano-ultrasonically assisted and carbon-nanotubes augmented nickel-aluminum system
Nazaretyan, Khachik; Kirakosyan, Hasmik; **Volobujeva, Olga**; **Aydinyan, Sofiya** Metals 2022 / art. 436 https://doi.org/10.3390/met12030436 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of EXCESS Zn in ZnO
Lott, Kalju; **Volobujeva, Olga**; **Raukas, Maie**; **Türn, Leo**; Grebennik, A.; Vishnjakov, A. 10th International Conference on Shallow-level Centers in Semiconductors : SLCS-10, Warsaw, Poland, July 24-27, 2002 : program & abstracts 2002 / p. 43 https://onlinelibrary.wiley.com/doi/abs/10.1002/pssc.200306186

Investigation of excess Zn in ZnO
Lott, Kalju; **Volobujeva, Olga**; **Raukas, Maie**; **Türn, Leo**; Grebennik, A.; Vishnjakov, A. Physica status solidi (c) 2003 / 2, Proceedings 10th International Conference on Shallow Level Centers in Semiconductors (SLCS-10) : Warsaw, Poland, 24-27 July 2002, p. 622-625 : ill https://onlinelibrary.wiley.com/doi/abs/10.1002/pssc.200306186

Investigation of oxygen reduction on platinum nanoparticles deposited onto peat-derived carbon carrier
Lobjakas, Viljar; Nerut, Jaak; Kasuk, Heili; Adamson, Anu; Thomberg, Thomas; Aruväli, Jaan; Valk, Peeter; Teppor, Patrick; Koppel, Mirjam; **Mikli, Valdek**; **Volobujeva, Olga**; **Lust, Enn** ECS Meeting Abstracts 2022 / p. 49-58 : ill https://doi.org/10.1149/10807.0049ecst Journal metrics at Scopus Article at Scopus

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

A journey for the development of a highly active ptcec(cr3c2) catalyst: material selections, synthesis optimization and electrical measurements for methanol oxidation and oxygen reduction
Nguyen, Huy Quí Vinh; Nerut, Jaak; Kasuk, Heili; Thomberg, Thomas; Härmas, Meelis; Härmas, R.; Koppel, Miriam; Teppor, Patrick; Külaviir, Marian; Aruväli, Jaan; **Volobujeva, Olga**; Lust, Enn GSFMT Scientific Conference 2023 : Tartu, 23-24 May, 2023 : abstracts 2023 https://fmtdk.ut.ee/programm-2023/

Lillekujulised kaadmiumseleniidi kristallid
Leinemann, Inga; **Altosaar, Mare**; **Volobujeva, Olga** Horisont 2018 / lk. 18-19 : fot https://www.ester.ee/record=b1072243*est http://www.horisont.ee/arhiiv-2018/Horisont-6-2018.pdf

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

Läbipaistvate ja elektrit juhtivate ZnO kilede valmistamine keemilise pihustamise meetodil
Vent, Merike; **Kärber, Erki**; **Volobujeva, Olga**; **Krunks, Malle** XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 82

Mechanical properties and self-healing capacity of ultra high performance fibre reinforced concrete with alumina nano-fibres : tailoring ultra high durability concrete for aggressive exposure scenarios
Cuenca, Estefania; D'Ambrosio, Leonardo; Lizunov, Dennis; **Tretjakov, Aleksei**; **Volobujeva, Olga**; Ferrara, Liberato Cement and concrete composites 2021 / art. 103956, 17 p https://doi.org/10.1016/j.cemconcomp.2021.103956 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microscopic characterization of surface morphology of nanostructured copper
Hussainova, Irina; **Kommel, Lembit**; Lõhmus, Rünno; **Volobujeva, Olga** Reviews on advanced materials science 2005 / p. 266-271 : ill

Microstructural aspects of ceramic-metal composites performance in erosive media
Hussainova, Irina; **Antonov, Maksim**; **Volobujeva, Olga** Advances in science and technology 2006 / 11th International Ceramic Congress, p. 132-141 : ill

Microstructural evolution and mechanical properties of nanostructured copper
Kommel, Lembit; **Hussainova, Irina**; **Volobujeva, Olga**; Lõhmus, Rünno Proceedings of the Estonian Academy of Sciences. Engineering 2005 / 3, p. 187-197 : ill

Microstructure and properties development of copper during severe plastic deformation
Kommel, Lembit; **Hussainova, Irina**; **Volobujeva, Olga** Materials & design 2007 / 7, p. 2121-2128 : ill https://www.sciencedirect.com/science/article/pii/S0261306906001713

Mo(Si1-x,Alx)2-based composite by reactive laser powder-bed fusion
Minasyan, Tatevik; **Aydinyan, Sofiya**; **Liu, Le**; **Volobujeva, Olga**; Toyserkani, Ehsan; **Hussainova, Irina** Materials letters 2020 / art. 128776, 5 p. : ill https://doi.org/10.1016/j.matlet.2020.128776 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nanoporous carbon-based electrodes for high strain ionomeric bending actuators
Palmre, Viljar; Brandell, Daniel; Mäeorg, Uno; Torop, Janno; **Volobujeva, Olga**; Punning, Andres; Johanson, Urmas; **Kruusmaa, Maarja**; Aabloo, Alvo Smart materials & structures 2009 / 9, [7] p. : ill

Nanostructured layers of ZnS obtained by spray pyrolysis
Dedova, Tatjana; **Gromõko, Inga**; **Mikli, Valdek**; **Volobujeva, Olga**; Utt, Kathriin; Sildos, Ilmo; **Mere, Arvo**; **Krunks, Malle** E-MRS 2013 Spring Meeting. Symposium P, Functional nanowires : synthesis, characterization and applications : poster session II 2013 / p. 15

Novel Cu2CdSnS4 and Cu2ZnGeSe4 absorber materials for monograin layer solar cell application
Timmo, Kristi; **Kauk-Kuusik, Marit**; **Altosaar, Mare**; **Raudoja, Jaan**; **Raadik, Taavi**; **Grossberg, Maarja**; **Varema, Tiit**; **Pilvet, Maris**; **Leinemann, Inga**; **Volobujeva, Olga**; **Mellikov, Enn** EU PVSEC proceedings 2013 / p. 2385-2388 : ill

A novel deposition method to grow ZnO nanorods : spray pyrolysis
Dedova, Tatjana; **Krunks, Malle**; **Grossberg, Maarja**; **Volobujeva, Olga**; **Oja Acik, Ilona** Superlattices and microstructures 2007 / p. 444-450 : ill

Novel SiOxNy protective coatings with aligned carbon nanotubes network
Shmagina, Elizaveta; **Volobujeva, Olga**; **Mikli, Valdek**; **Bereznev, Sergei** Symposium E : Carbon- and/or nitrogen-containing thin films and nanomaterials : 40th Anniversary 2023 / art. 00680 https://srv3.key4events.com/key4register/AbstractList.aspx?e=31&preview=1&aig=-1&ai=1968

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

Observation of photoluminescence edge emission in CuSbSe2 absorber material for photovoltaic applications
Penežko, Aleksei; **Kauk-Kuusik, Marit**; **Volobujeva, Olga**; **Traksmaa, Rainer**; **Grossberg, Maarja** Applied physics letters 2019 / art. 092101, 4 p. : ill https://doi.org/10.1063/1.5114893 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

Optimisation of plant mediated synthesis of silver nanoparticles by common weed Plantago major and their antimicrobial properties
Küünal, Siim; Visnapuu, Meeri; **Volobujeva, Olga**; Soares Rosario, Maria; **Rauwel, Protima**; **Rauwel, Erwan** IOP Conference Series : Materials Science and Engineering 2019 / art. 012003 https://doi.org/10.1088/1757-899X/613/1/012003 Conference proceedings at Scopus Article at Scopus Article at WOS

Optimisation of the ethylene glycol reduction method for the synthesis of platinum-ceria-carbon materials as catalysts for the methanol oxidation reaction
Nguyen, Huy; Nerut, Jaak; Kasuk, Heili; Härmas, Meelis; Valk, Peeter; Romann, Tavo; Koppel, Miriam; Teppor, Patrick; Aruväli, Jaan; Korjus, Ove; **Volobujeva, Olga**; Lust, Enn Journal of solid state electrochemistry 2023 / p. 313–326 : ill https://doi.org/10.1007/s10008-022-05326-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optimization of La0.2Sr0.7- xCa xTi0.95Fe0.05O3-δfuel electrode stoichiometry for solid oxide fuel-cell application
Paydar, Sara; Kooser, Kuno; Möller, Priit; **Volobujeva, Olga**; Granroth, Sari; Lust, Enn; Nurk, Gunnar ACS Applied Energy Materials 2022 / p. 10119 - 10129 https://doi.org/10.1021/acsaem.2c01808 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The optoelectonic properties of Sb2 (Se1-x, Sx)3 (x= 0 - 1) solid solutions
Ender, Mehmet; **Volobujeva, Olga**; **Timmo, Kristi**; **Grossberg, Maarja** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 4 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Organic acid catalyzed synthesis of 5-methylresorcinol based organic aerogels in acetonitrile
Peikolainen, Anna-Liisa; **Volobujeva, Olga**; **Aav, Riina**; **Uibu, Mai**; **Koel, Mihkel** Journal of porous materials 2012 / p. 189-194 : ill https://www.researchgate.net/publication/228068858_Organic_acid_catalyzed_synthesis_of_5-methylresorcinol_based_organic_aerogels_in_acetonitrile

Origin of photoluminescence from antimony selenide
Grossberg, Maarja; **Volobujeva, Olga**; **Penežko, Aleksei**; **Kaupmees, Reelika**; **Raadik, Taavi**; **Krustok, Jüri** Journal of alloys and compounds 2020 / art. 152716, 5 p. : ill https://doi.org/10.1016/j.jallcom.2019.152716 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Peat as a carbon source for non-platinum group metal oxygen electrocatalysts and AEMFC cathodes
Teppor, Patrick; Jäger, Rutha; Paalo, Maarja; Adamson, Anu; Härmas, Meelis; **Volobujeva, Olga**; Aruväli, Jaan; Palm, Rasmus; Lust, Enn International Journal of Hydrogen Energy 2022 / p. 16908 - 16920 https://doi.org/10.1016/j.ijhydene.2022.03.199 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Peat-derived carbon-based non-platinum group metal type catalyst for oxygen reduction and evolution reactions
Teppor, Patrick; Jäger, Rutha; Paalo, Maarja; Palm, Rasmus; **Volobujeva, Olga**; Härk, Eneli; Kochovski, Zdravko; Romann, Tavo;

Härmas, R.; Aruväli, Jaan; Kikas, Arvo; Lust, Enn Electrochemistry Communications 2020 / art. 106700 https://doi.org/10.1016/j.elecom.2020.106700 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Peat-derived carbon-based non-platinum group metal type catalyst for oxygen reduction and evolution reactions
Teppor, Patrick; Jäger, Rutha; Paalo, Madis; Palm, R.; **Volobujeva, Olga**; Härk, E.; Kochovski, Z.; Romann, Tavo; Härmas, R.; Aruväli, J.; Kikas, A.; Lust, Enn GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 81 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

Phase composition of selenized Cu2ZnSnSe4 thin films determined by X-ray diffraction and Raman spectroscopy
Ganchev, Maxim; **Iljina, Julia**; **Kaupmees, Liina**; **Raadik, Taavi**; **Volobujeva, Olga**; **Mere, Arvo**; **Altosaar, Mare**; **Raudoja, Jaan**; **Mellikov, Enn** Thin solid films 2011 / p. 7394-7398 : ill

Phase transition in solid solutions CdSexTe1-x
Volobujeva, Olga; **Nirk, Tiit** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 170

Phases micromechanical properties of Ni-base superalloy measured by nanoindentation
Kommel, Lembit; **Kimmari, Eduard**; **Viljus, Mart**; **Traksmaa, Rainer**; **Volobujeva, Olga**; Kommel, Igor Materials science = Medžiagotyra 2012 / p. 28-33 : ill https://matsc.ktu.lt/index.php/MatSc/article/view/1337

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

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 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

Plant mediated syntheses of silver nanoparticles using common weed (Plantago Major L.)
Küünal, Siim; **Volobujeva, Olga**; **Rauwel, Protima**; **Rauwel, Erwan** 10th International Conference on Biosystems Engineering 2019 : book of abstracts : May 8-10 2019 Tartu, Estonia 2019 / p. 172 http://dspace.emu.ee/xmlui/bitstream/handle/10492/4955/ABS_2019_Book_VV.pdf?sequence=1&isAllowed=y

Platinum-free oxygen electrocatalysts and alkaline fuel cell cathodes fabricated from peat
Teppor, Patrick; Jäger, Rutha; Paalo, Maarja; Härmas, Meelis; Adamso, Anu; **Volobujeva, Olga**; Aruväli, Jaan; Palm, Rasmus; Lust, Enn Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 61 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

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 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 (Fπ-11) : June 2-7, 2013, Arcachon, France : book of abstracts 2013 / p. 164

Postdeposition processing of SnS thin films and solar cells : prospective strategy to obtain large, sintered, and doped SnS grains by recrystallization in the presence of a metal halide flux
Spalatu, Nicolae; **Hiie, Jaan**; **Kaupmees, Reelika**; **Volobujeva, Olga**; **Krustok, Jüri**; **Oja Acik, Ilona**; **Krunks, Malle** ACS applied materials & interfaces 2019 / p. 17539–17554 : ill https://doi.org/10.1021/acsami.9b03213 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Post-growth annealing effect on the performance of Cu2ZnSnSe4 monograin layer solar cells
Kauk-Kuusik, Marit; **Altosaar, Mare**; **Muska, Katri**; **Pilvet, Maris**; **Raudoja, Jaan**; **Timmo, Kristi**; **Varema, Tiit**; **Grossberg, Maarja**; **Mellikov, Enn**; **Volobujeva, Olga** Thin solid films 2013 / p. 18-21 : ill https://doi.org/10.1016/j.tsf.2012.11.075 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 and characterization of SbSeI thin films
Dolcet Sadurni, Marc; **Timmo, Kristi**; **Mikli, Valdek**; **Volobujeva, Olga**; **Mengü, Idil**; **Krustok, Jüri**; **Grossberg-Kuusk, Maarja**; **Kauk-Kuusik, Marit** Journal of science: Advanced materials and devices 2024 / art. 100664
https://doi.org/10.1016/j.jsamd.2023.100664 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Preparation of BaSnO3 target material for pulsed laser deposition [Online resource]
Abdalla, Akram; **Bereznev, Sergei**; **Volobujeva, Olga**; **Mikli, Valdek** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p http://fmtdk.ut.ee/teesid-2018/

Preparation of carbon aerogels from 5-methylresorcinol-formaldehyde gels
Perez-Caballero, Fernando; **Peikolainen, Anna-Liisa**; **Uibu, Mai**; **Kuusik, Rein, keemik**; **Volobujeva, Olga**; **Koel, Mihkel** Microporous and mesoporous materials 2008 / p. 230-236 : ill

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

Preparation of shape and size-controlled zinc oxide nanostructures by chemical spray pyrolysis technique
Dedova, Tatjana; **Krunks, Malle**; **Mere, Arvo**; **Klauson, Jelena**; **Volobujeva, Olga** Materials Research Society symposium proceedings 2007 / p. 0957-K10-26 [7 p.]

Properties of Cu-Sb-Se thin films deposited by magnetron co-sputtering for solar cell applications
Penežko, Aleksei; **Kauk-Kuusik, Marit**; **Volobujeva, Olga**; **Grossberg, Maarja** Thin solid films 2021 / art. 139004
https://doi.org/10.1016/j.tsf.2021.139004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Properties of CuSbSe2 thin film solar cell absorbers deposited by magnetron co-sputtering
Penežko, Aleksei; **Grossberg, Maarja**; **Volobujeva, Olga**; **Kauk-Kuusik, Marit** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 71 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

Pulsed laser deposition of Zn(O,Se) layers for optoelectronic application
Polivtseva, Svetlana; **Spalatu, Nicolae**; **Abdalla, Akram**; **Volobujeva, Olga**; **Hiie, Jaan**; **Bereznev, Sergei** ACS Applied Energy Materials 2018 / p. 6505–6512 : ill http://dx.doi.org/10.1021/acsaem.8b01431

Pulsed laser deposition of Zn(O,Se) layers in nitrogen background pressure
Abdalla, Akram; **Bereznev, Sergei**; **Spalatu, Nicolae**; **Volobujeva, Olga**; **Sleptšuk, Natalja**; **Danilson, Mati** Scientific reports 2019 / art. 17443, 10 p. : ill https://doi.org/10.1038/s41598-019-54008-1 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

PVD of highly photosensitive n-CuIn5Se8 films for hybrid PV structures
Adhikari, Nirmal; **Bereznev, Sergei**; **Volobujeva, Olga**; **Raadik, Taavi**; **Traksmaa, Rainer**; **Öpik, Andres** Progress in Applied Surface, Interface and Thin Film Science 2012 : Florence, Italy, June 14-19, 2012 : program and book of abstracts 2012 / p. 83

PVD of N-CuIn3Se5 photoabsorber films
Adhikari, Nirmal; **Bereznev, Sergei**; **Kois, Julia**; **Volobujeva, Olga**; **Raadik, Taavi**; **Traksmaa, 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**; **Traksmaa, Rainer**; Dahal, R.K.; Tverjanovich, Andrey; **Öpik, Andres** Baltic Polymer Symposium 2012 : Liepaja, Latvia, September 19-22 : programme and proceedings 2012 / p.

Rational design of highly efficient flexible and transparent p-type composite electrode based on single-walled carbon nanotubes
Rajanna, Pramod M.; Meddeb, Hosni; **Bereznev, Sergei**; **Volobujeva, Olga**; **Danilson, Mati** Nano energy 2020 / art. 104183, 9 p. : ill https://doi.org/10.1016/j.nanoen.2019.104183 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Reaction pathway to Cu2ZnSnSe4 formation in CdI2 : part 1. Chemical reactions and enthalpies in mixtures of CdI2–ZnSe, CdI2–SnSe, and CdI2–CuSe
Leinemann, Inga; **Nkwusi, Godswill**; **Timmo, Kristi**; **Volobujeva, Olga**; **Danilson, Mati**; **Raudoja, Jaan vt.ka Mädasson, Jaan**; **Kaljuvee, Tiit**; **Traksmaa, Rainer**; **Altosaar, Mare**; **Meissner, Dieter** Journal of thermal analysis and calorimetry 2018 / p.409 - 421 : ill https://doi.org/10.1007/s10973-018-7102-5 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Reactive sintering of (Ti,W)C-Ni and TiC-FeNiSi cermets from high-energy milled powders
Kollo, Lauri; **Volobujeva, Olga** Proceedings of European Powder Metallurgy Congress : EURO PM2007 : Toulouse (France), 15-17 October 2007. Vol. 1 2007 / p. 227-231 https://www.researchgate.net/publication/287638623_Reactive_sintering_of_TiWC-Ni_and_TiC-FeNiSi_cermets_from_high-energy_milled_powders

Recent advances of carbon nanotubes synthesis by the electric arc technique using atomized platinum-group metal catalysts
Truus, Kalle; **Volobujeva, Olga**; **Kaupmees, Reelika**; Tamm, Aile; Rähn, Mihkel; Raid, Raivo; Koppel, Kaida; Tuvikene, Rando Materials Science and Engineering: B 2024 / art. 117121 https://doi.org/10.1016/j.mseb.2023.117121 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Selenisation of sequentially electrodeposited Cu-Zn and Sn precursor layers
Iljina, Julia; **Volobujeva, Olga**; **Raadik, Taavi**; **Revathi, Naidu**; **Raudoja, Jaan**; **Loorits, Mihkel**; **Traksmaa, 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**; **Traksmaa, 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

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**; **Traksmaa, 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

Shallow defect density determination in CuIn3Se5 thin film photoabsorber by impedance spectroscopy
Laes, Kristjan; **Bereznev, Sergei**; Tverjanovich, Andrey; Borisov, Evgeny N.; **Varema, Tiit**; **Volobujeva, Olga**; **Öpik, Andres** Thin solid films 2009 / p. 2286-2290 : ill

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

Solution combustion synthesis of MnFeCoNiCu and (MnFeCoNiCu)3O4 high entropy materials and sintering thereof
Aydinyan, Sofiya; Kirakosyan, Hasmik; Sargsyan, Armen; **Volobujeva, Olga**; Kharatyan, Suren Ceramics International 2022 / p.

20294-20305 : ill https://doi.org/10.1016/j.ceramint.2022.03.310 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solution deposition of ZnO thin films
Stankova, Stanka; **Volobujeva, Olga**; Dikov, H.; Ganchev, M. Journal of physics : conference series 2021 / 6 p. : ill https://doi.org/10.1088/1742-6596/1762/1/012030 Conference Proceedings at Scopus Article at Scopus

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

Spray pyrolysis deposition of indium sulphide thin films
Otto, Kairi; **Katerski, Atanas**; **Mere, Arvo**; **Volobujeva, Olga**; **Krunks, Malle** Thin solid films 2011 / p. 3055-3060 : ill

Strain relaxation mechanism in the Si-SiO2 system and its influence on the interface properties
Kropman, Daniel; **Mellikov, Enn**; **Öpik, Andres**; **Lott, Kalju**; **Volobujeva, Olga**; 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-SiO2 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

Strength and plasticity of nanocrystalline copper
Kommel, Lembit; **Hussainova, Irina**; **Volobujeva, Olga** Деформация и разрушение материалов = Deformation and fracture of materials 2005 / 11, p. 17-23

Strength and plasticity of nanocrystalline copper after HCV deformation
Kommel, Lembit; **Hussainova, Irina**; **Volobujeva, Olga** Abstracts of 3rd International Conference "Phase Transition and Strength of Crystals" : September 20-24, 2004, Chernogolovka, Russia 2004 / p. 47-48

Structural and compositional properties of CZTS thin films formed by rapid thermal annealing of electrodeposited layers
Lehner, Julia; **Loorits, 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 mechanical properties of laminate-type thin film SWCNT/SiOXNY composites
Shmagina, Elizaveta; **Volobujeva, Olga**; **Antonov, Maksim**; **Bereznev, Sergei** SICT 2024, PLASMA TECH 2024 and TRIBOLOGY 2024 : JOINT international conferences : book of abstracts 2024 / p. 142 https://www.setcor.org/conferences/tribology-2024/conference-program

Structural and optical characterization of sprayed ZnS thin films
Dedova, Tatjana; **Mere, Arvo**; **Krunks, Malle**; **Kijatkina, Olga**; **Oja, Ilona**; **Volobujeva, Olga** Proceedings of SPIE 2005 / Optical materials and applications, p. 34-40

Structural and optical characterization of sprayed ZnS thin films
Dedova, Tatjana; **Kijatkina, Olga**; **Mere, Arvo**; **Volobujeva, Olga**; **Krunks, Malle** The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6-9, 2004 : abstracts 2004 / p. 38

Structural and optical properties of laminate-type thin film SWCNT composites in a silicon oxynitride matrix obtained by low-temperature curing methods
Shmagina, Elizaveta; Kasikov, Aarne; **Volobujeva, Olga**; **Bereznev, Sergei** Symposium I: Nano-engineered coatings and thin films: from fundamentals to applications 2024 https://secure.key4events.com/key4register/AbstractList.aspx?e=1689&preview=1&aig=-1&ai=57371

Structural behavior and damage evolution of nanocrystalline copper at HCV deformation
Kommel, Lembit; **Hussainova, Irina**; **Nisumaa, Reet**; **Volobujeva, Olga**; **Saarna, Mart** 15th International Baltic Conference "Engineering Materials & Tribology. Baltmattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 40-41 : ill

Structural behaviour of NC copper at hard cyclic viscoplastic deformation
Kommel, Lembit; **Hussainova, Irina**; **Nisumaa, Reet**; **Volobujeva, Olga** Ultrafine Grained Materials - from Basics to Applications : UFG-2006 : September 25-27, 2006, Kloster Irsee, Germany 2006 / p. 6-16 - 6-17

Structural, mechanical, and optical properties of laminate-type thin film SWCNT/SiOxNy composites
Shmagina, Elizaveta; **Antonov, Maksim**; Kasikov, Aarne; **Volobujeva, Olga**; Khabushev, Eldar M.; Kallio, Tanja; **Bereznev,**

Sergei Nanomaterials 2024 / art. 1806 https://doi.org/10.3390/nano14221806 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Study of activating treatment for glass/ITO/CdS/CdTe structures prepared by high vacuum evaporation
Jarkov, Aleksandr; **Bereznev, Sergei**; **Laes, Kristjan**; **Volobujeva, Olga**; **Öpik, Andres** EMRS-2010 Spring Meeting : Strasbourg, France, June 7-11 : program and book of abstracts. Symposion M 2010 / p. 8-9

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

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

Study of Mo selenisation process on different Mo substrates
Kaupmees, Liina; **Altosaar, Mare**; **Volobujeva, Olga**; Barvinschi, Paul Thin-film compound semiconductor photovoltaics - 2009 2009 / p. M08-01 https://www.cambridge.org/core/journals/mrs-online-proceedings-library-archive/article/abs/study-of-mo-selenisation-process-on-different-mo-substrates/6D15F02E62EBCA61287DCEDEB7FA9DDD

Study of the optical properties of Sb2(Se1-xSx)3 (x = 0-1) solid solutions
Uslu, Mehmet Ender; Kondrotas, Rokas; Nedzinskas, Ramunas; **Volobujeva, Olga**; **Timmo, Kristi**; **Kauk-Kuusik, Marit**; **Krustok, Jüri**; **Grossberg, Maarja** Materials science in semiconductor processing 2022 / art. 106571 https://doi.org/10.1016/j.mssp.2022.106571 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Study on photocatalytic activity of ZnO nanoneedles, nanorods, pyramids and hierarchical structures obtained by spray pyrolysis method
Klauson, Deniss; **Gromõko, Inga**; **Dedova, Tatjana**; **Pronina, Natalja**; **Kritševskaja, Marina**; **Budarnaja, Olga**; **Oja Acik, Ilona**; **Volobujeva, Olga**; Sildos, Ilmo; Utt, Kathriin Materials science in semiconductor processing 2015 / p. 315-324 : ill https://doi.org/10.1016/j.mssp.2014.12.012 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Sunlight-driven photocatalytic degradation of methylene blue with facile one-step synthesized Cu-Cu2O-Cu3N nanoparticle mixtures
Paredes, Patricio; Rauwel, Erwan; Wragg, David S.; Rapenne, Laetitia; Estephan, Elias; **Volobujeva, Olga**; Rauwel, Protima Nanomaterials 2023 / art. 1311 https://doi.org/10.3390/nano13081311 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Surface molecularly imprinted polydopamine films for recognition of immunoglobulin G
Tretjakov, Aleksei; **Sõritski, Vitali**; **Reut, Jekaterina**; **Boroznjak, Roman**; **Volobujeva, Olga**; **Öpik, Andres** Microchimica acta 2013 / p. 1433-1442 : ill https://doi.org/10.1007/s00604-013-1039-y Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis and characterisation of Cu2ZnSnSe4 thin films prepared via a vacuum evaporation-based route
Volobujeva, Olga; **Bereznev, Sergei**; **Raudoja, Jaan**; **Otto, Kairi**; **Pilvet, Maris**; **Mellikov, Enn** Thin solid films 2013 / p. 48-51 : ill 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 and characterization of cobalt and nitrogen co-doped peat-derived carbon catalysts for oxygen reduction in acidic media
Jäger, Rutha; Teppor, Patrick; Paalo, Maarja; Härmas, Meelis; Adamson, Anu; **Volobujeva, Olga**; Härk, Eneli; Kochovski, Zdravko; Romann, Tavo; Härmas, Riinu; Aruväli, Jaan; Kikas, Arvo; Lust, Enn Catalysts 2021 / art. 715 https://doi.org/10.3390/catal11060715 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Zinc oxide nanostructured layers by chemical spray pyrolysis
Dedova, Tatjana; Aparina, Jelena; **Mere, Arvo**; **Volobujeva, Olga**; **Grossberg, Maarja**; **Krunks, Malle** International Conference : Advances in Nanostructured Materials, Processing - Microstructure - Properties : NANOVED 2006 - NENAMAT : May 14-17, 2006, Stara Lesna, Slovak Republic : book of abstracts 2006 / p. 105

ZnO grown by chemical solution deposition

Kauk, Marit; **Muska, Katri**; **Altosaar, Mare**; **Danilson, Mati**; **Õunpuu, 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

ZnO nanorods via spray deposition of solutions containing zinc chloride and thiocarbamide
Dedova, Tatjana; **Volobujeva, Olga**; **Klauson, Jelena**; **Mere, Arvo**; **Krunks, Malle** Nanoscale research letters 2007 / p. 391-396 : ill https://link.springer.com/article/10.1007/s11671-007-9072-6

ZnO nanostruktuursed kihid keemilise pihustuspürolüüsi meetodil
Dedova, Tatjana; **Annert, Katre**; **Volobujeva, Olga**; **Grossberg, Maarja**; **Oja Acik, Ilona**; **Krunks, Malle** XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 25

ZnO thin films co-doped with III-valence metals and halogens: theory and experiment
Colibaba, G. V.; Rusnac, D.; Fedorov, V.; **Koltsov, Mykhailo**; **Volobujeva, Olga**; Grzibovskis, Raitis; Vembris, Aivars; **Spalatu, Nicolae** Physica scripta 2024 / art. 105967 https://doi.org/10.1088/1402-4896/ad74ab Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Zn(O,Se) as a novel buffer layer for thin film solar cells
Abdalla, Akram; **Polivtseva, Svetlana**; **Spalatu, Nicolae**; **Volobujeva, Olga**; **Hiie, Jaan**; **Bereznev, Sergei** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 http://fmtdk.ut.ee/teesid-2019/

ZnS thin films deposited by spray pyrolysis technique
Dedova, Tatjana; **Krunks, Malle**; **Volobujeva, Olga**; **Oja, Ilona** Physica status solidi (c) : proceedings 2005 / 3, p. 1161-1166 : ill

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 impedance spectroscopy of CuIn3Se5 photoabsorber films prepared by high vacuum evaporation technique
Laes, Kristjan; **Bereznev, Sergei**; **Land, Raul**; Tverjanovich, Andrey; **Volobujeva, Olga**; **Traksmaa, Rainer**; **Raadik, Taavi**; **Öpik, Andres** Energy procedia 2010 / 1, p. 119-131 : ill

The impedance spectroscopy of hybrid CdTe / PEDOT-PSS interface
Bereznev, Sergei; **Laes, Kristjan**; **Jarkov, Aleksandr**; **Volobujeva, Olga**; **Öpik, Andres** Hybrid and Organic Photovoltaics 2010 Conference : Assisi, Italy, May 23-27, 2010 : book of abstracts 2010 / p. 118

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 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

Thin tin monosulfide films deposited with the HVE method for photovoltaic applications = Tanka plast hve kositrovega monosulfida za uporabo v fotovoltaiki
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

Unlocking the porosity of Fe–N–C catalysts using hydroxyapatite as a hard template en route to eco-friendly high-performance AEMFCs
Teppor, Patrick; Jäger, Rutha; Koppel, Miriam; **Volobujeva, Olga**; Palm, Rasmus; Månsson, Martin; Härk, Eneli; Kochovski, Zdravko; Aruväli, Jaan; Kooser, Kuno Journal of power sources 2024 / art. 233816, 11 p. : ill https://doi.org/10.1016/j.jpowsour.2023.233816 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The utilization of platinum catalysts deposited on carbon support synthesized from coffee grounds in a polymer

electrolyte membrane fuel cell
Simson, Sander; Nerut, Jaak; Härmas, Meelis; Valk, Peeter; Teppor, Patrick; Palm, Rasmus; Koppel, Miriam; Aruväli, Jaan; Korjus, Ove; **Volobujeva, Olga**; Mansson, Martin; Lust, Enn ECS Meeting Abstracts 2023 / art. 2295 https://doi.org/10.1149/MA2023-01382295mtgabs

Waste tire derived carbon support for non-platinum-group metal catalyst materials for oxygen reduction reaction in alkaline medium
Laanemäe, Joel; Jäger, Rutha; Teppor, Patrick; **Volobujeva, Olga**; Lust, Enn ECS Meeting Abstracts 2023 / p. 2283-2283 https://doi.org/10.1149/MA2023-01382283mtgabs

Waste tire derived carbon support for non-platinum-group metal catalyst materials for oxygen reduction reaction in alkaline medium
Laanemäe, Joel; Jäger, Rutha; Teppor, Patrick; **Volobujeva, Olga**; Lust, Enn ECS Transactions 2023 / p. 63-72 https://doi.org/10.1149/11105.0063ecst

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

Võrevaheline tsink tsinkoksiidis
Lott, Kalju; **Volobujeva, Olga**; **Raukas, Maie**; **Türn, Leo**; Grebennik, A.; Vishnjakov, A. XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 80

Нестехиометрический цинк в окиси цинка
Lott, Kalju; **Volobujeva, Olga**; **Raukas, Maie**; **Türn, Leo**; Vishnjakov, A.; Grebennik, A. V Международная конференция "Прикладная оптика", 15-17 октября 2002 года, Санкт-Петербург, Россия : сборник трудов. Том 2, Оптические технологии и материалы 2002 / с. 54-58