Application of modulation spectroscopy methods in photovoltaic materials research = Modulatsioonspektroskoopia meetodite rakendamine päikeseenergeetika materjalide uurimiseks
Raadik, Taavi 2015 https://digi.lib.ttu.ee/i/?2521 https://www.ester.ee/record=b4482452*est

Broad-band photoluminescence of donor-acceptor pairs in tetrahedrite Cu10Cd2Sb4S13 microcrystals
Krustok, Jüri; **Raadik, Taavi**; **Kaupmees, Reelika**; **Ghisani, Fairouz**; **Timmo, Kristi**; **Altosaar, Mare**; **Mikli, Valdek**; **Grossberg, Maarja** Journal of physics D: applied physics 2021 / art. 105102, 7 p. : ill https://doi.org/10.1088/1361-6463/abce29 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Characterization of FeS2 pyrite microcrystals synthesized in different flux media
Kristmann, Katriin; **Raadik, Taavi**; **Altosaar, Mare**; **Danilson, Mati**; **Krustok, Jüri**; Paaver, Peeter; Butenko, Yuriy Materials advances 2023 / p. 1565 - 1575 https://doi.org/10.1039/D3MA00697b Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Chlorine doping of cadmium sulfide on the example of CBD CdS
Hiie, Jaan; **Quinci, Frederico**; **Lughi, Vanni**; **Sergo, Valter**; Valdna, Vello; Mikli, Valdek; Kärber, Erki; Raadik, Taavi Thin-film compound semiconductor photovoltaics - 2009 2009 / p. M08-17 https://www.cambridge.org/core/journals/mrs-online-proceedings-library-archive/article/abs/chlorine-doping-of-cadmium-sulfide-on-the-example-of-cbd-cds/070F0DAEB40CD83B771895FED27CBEA1

Comparative study of SnS recrystallization in molten CdI2, SnCl2 and KI
Timmo, Kristi; **Kauk-Kuusik, Marit**; **Pilvet, Maris**; **Mikli, Valdek**; **Kärber, Erki**; **Raadik, Taavi**; **Leinemann, Inga**; **Altosaar, Mare**; **Raudoja, Jaan** Physica status solidi (c) 2016 / p. 8-12 : ill https://doi.org/10.1002/pssc.201510082 Journal metrics at Scopus Article at Scopus Article at WOS

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

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

Deep defects in Cu2ZnSnS4 monograin solar cells
Kask, Erkki; **Raadik, Taavi**; **Grossberg, Maarja**; **Josepson, Raavo**; **Krustok, Jüri** Energy procedia 2011 / p. 261-265

Development of Bi2S3 thin film solar cells by close-spaced sublimation and analysis of absorber bulk defects via in-depth photoluminescence analysis
Koltsov, Mykhailo; **Gopi, Sajeesh Vadakkedath**; **Raadik, Taavi**; **Krustok, Jüri**; **Josepson, Raavo**; Gržibovskis, Raitis; Vembris, Aivars; **Spalatu, Nicolae** Solar energy materials and solar cells 2023 / art. 112292 https://doi.org/10.1016/j.solmat.2023.112292 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Eesti teadlased aitavad Kuu peal elektrit toota
tehnika.postimees.ee 2022 Eesti teadlased aitavad...

Eesti teadlased sillutavad teed Kuul päikeseenergia tootmiseks
postimees.ee 2025 https://teadus.postimees.ee/8196384/eesti-teadlased-sillutavad-teed-kuul-paikeseenergia-tootmiseks

Effect of CdCl2 annealing treatment on structural and optoelectronic properties of close spaced sublimation CdTe/CdS thin film solar cells vs deposition conditions
Spalatu, Nicolae; **Hiie, Jaan**; **Mikli, Valdek**; **Krunks, Malle**; **Valdna, Vello**; **Maticiuc, Natalia**; **Raadik, Taavi**; Caraman, Mihail Thin solid films 2015 / p. 128-133 : ill http://dx.doi.org/10.1016/j.tsf.2014.11.066 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of temperature and sliding speed on friction and wear of Si3N4, Al2O3, and ZrO2 balls tested against AlCrN PVD coating
Antonov, Maksim; **Afshari, Hossein**; **Baroninš, Janis**; **Adoberg, Eron**; **Raadik, Taavi**; **Hussainova, Irina** Tribology international 2018 / p. 500-514 : ill https://doi.org/10.1016/j.triboint.2017.05.035 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electronic and structural characterisation of Cu3BiS3 thin films for the absorber layer of sustainable photovoltaics
Yakushev, M.V.; Maiello, P.; **Raadik, Taavi**; **Krustok, Jüri** Thin solid films 2014 / p. 195-199 : ill https://doi.org/10.1016/j.tsf.2014.04.057 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evaluation of high performance aluminum for microwave filters
Martin-Iglesias, P.; **Raadik, Taavi**; Teberio, F.; Percaz, J.M.; Martin-Iglesias, S.; Pambaguian, L.; Arregui, I.; Laso, M.A.G. 2019 IEEE MTT-S International Microwave Symposium (IMS), Boston, Massachusetts, 2-7 June 2019 : proceedings 2019 / p. 1183-1186 https://doi.org/10.1109/MWSYM.2019.8700938 Conference proceeding at Scopus Article at Scopus 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

Growth of Cu-rich/poor CuInS2 thin films by the sequential modulated flux deposition technique
Bollero, Alberto; **Grossberg, Maarja**; **Raadik, Taavi**; Trigo, Juan Francisco; Herrero, Jose; Gutierrez, Ma Teresa Thin-film compound semiconductor photovoltaics - 2009 2009 / p. M02-06

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-temperature oxidation resistance and tribological properties of Al2O3/ta-C coating
Alamgir, Asad; **Bogatov, Andrei**; Jõgiaas, Taivo; **Viljus, Mart**; **Raadik, Taavi**; **Kübarsepp, Jakob**; **Sergejev, Fjodor**; Lümkemann, Andreas; Kluson, Jan; **Podgurski, Vitali** Coatings 2022 / art. 547 https://doi.org/10.3390/coatings12040547 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High-temperature tribological performance of Al2O3/a-C:H:Si coating in ambient air
Podgurski, Vitali; **Alamgir, Asad**; **Yashin, Maxim**; Jõgiaas, Taivo; **Viljus, Mart**; **Raadik, Taavi**; **Danilson, Mati**; **Sergejev, Fjodor**; Lümkemann, Andreas; Kluson, Jan; Sondor, Jozef; **Bogatov, Andrei** Coatings 2021 / art. 495, 15 p. : ill https://doi.org/10.3390/coatings11050495 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Impact of Li and K co-doping on the optoelectronic properties of CZTS monograin powder
Muska, Katri; **Timmo, Kristi**; **Pilvet, Maris**; **Kaupmees, Reelika**; **Raadik, Taavi**; **Mikli, Valdek**; **Grossberg-Kuusk, Maarja**; **Krustok, Jüri**; **Josepson, Raavo**; Lange, Sven; **Kauk-Kuusik, Marit** Solar energy materials and solar cells 2023 / art. 112182 : ill https://doi.org/10.1016/j.solmat.2023.112182 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of order-disorder in Cu2ZnSnS4 powders on the performance of monograin layer solar cells
Timmo, Kristi; **Kauk-Kuusik, Marit**; **Pilvet, Maris**; **Raadik, Taavi**; **Altosaar, Mare**; **Danilson, Mati**; **Grossberg, Maarja**; **Raudoja, Jaan**; Ernits, Kaia Thin solid films 2017 / p. 122-126 : ill https://doi.org/10.1016/j.tsf.2016.10.017 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of morphology changes on nanocrystalline diamond film surfaces during reciprocating sliding against Si3N4 balls
Bogatov, Andrei; **Podgurski, Vitali**; **Raadik, Taavi**; Kamjula, A. R.; Hantschel, Thomas; Tsigkourakos, M.; **Kulu, Priit** Engineering materials & tribology XXII 2014 / p. 126-129 https://doi.org/10.4028/www.scientific.net/KEM.604.126 Conference proceedings at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of the structural, optical and electrical properties of Cu3BiS3 semiconducting thin films
Yakushev, M. V.; Maiello, P.; **Raadik, Taavi**; **Krustok, Jüri** Energy procedia 2014 / p. 166-172 : ill https://doi.org/10.1016/j.egypro.2014.12.359 Conference proceedings at Scopus Article at Scopus Article at WOS

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

Keemiliselt sadestatud kaadmiumsulfiidi kilede lõõmutamisel toimuvad struktuursed muutused
Põldme, Nils; **Hiie, Jaan**; **Mikli, Valdek**; **Raadik, Taavi**; **Valdna, Vello**; **Mere, Arvo**; **Gavrilov, Aleksei**; Maticiuc, Natalia; Potlog, Tamara; Quinci, Frederico; Lughi, Vanni; Sergo, Valter XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 65

Kuidas valida oma kodule sobivad päikesepaneelid? [Võrguväljaanne]
Raadik, Taavi LõunaLeht 2022 / Lk. 15 https://dea.digar.ee/article/lounaleht/2022/08/04/54

Low temperature time resolved photoluminescence in ordered and disordered Cu2ZnSnS4 single crystals
Raadik, Taavi; **Krustok, Jüri**; **Kauk-Kuusik, Marit**; **Timmo, Kristi**; **Grossberg, Maarja**; Ernits, Kaia; Bleuse, J. Physica B : condensed matter 2017 / p. 47-50 : ill https://doi.org/10.1016/j.physb.2016.12.011 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Lugeja küsib: miks katavad päikesepargid autoparklate asemel põllumaid?
novaator.err.ee 2024 Lugeja küsib: miks katavad päikesepargid autoparklate asemel põllumaid?

Modification of the optoelectronic properties of Cu2CdSnS4 through low-temperature annealing
Pilvet, Maris; **Kauk-Kuusik, Marit**; **Grossberg, Maarja**; **Raadik, Taavi**; **Mikli, Valdek**; **Traksmaa, Rainer**; **Raudoja, Jaan**; **Timmo, Kristi**; **Krustok, Jüri** Journal of alloys and compounds 2017 / p. 820-825 : ill https://doi.org/10.1016/j.jallcom.2017.06.307 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Monograin layer solar cell for future lunar outpost
Kristmann, Katriin; **Altosaar, Mare**; **Raudoja, Jaan**; **Grossberg, Maarja**; **Krustok, Jüri**; **Raadik, Taavi** IAC 2020 congress proceedings Proceedings of the International Astronautical Congress, IAC 2020 / 7 p. : ill Monograin layer solar cell for future lunar outpost https://dl.iafastro.directory/event/IAC-2020/paper/56905/ Conference proceeding at Scopus Article at Scopus

Multiphysic Analysis of High Power Microwave Filter Using High Performance Aluminium Alloy
Martin-Iglesias, P.; Laso, M.A.G.; **Raadik, Taavi**; Teberio, F.; Percaz, J.M.; Martin-Iglesias, S.; Pambaguian, L.; Lopetegui, T. 2019 IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications, July 16-18, 2019 Bochum, Germany : proceedings 2019 / p 58-60 https://doi.org/10.1109/IMWS-AMP.2019.8880080

Nanocrystalline diamond films deformation observed during sliding tests against Si_3N_4 balls as a possible cause for ripple formation on wear scars surface
Bogatov, Andrei; **Viljus, Mart**; **Raadik, Taavi**; Hantschel, Thomas; **Podgurski, Vitali** Medžiagotyra = Materials science 2015 / p. 349-352 : ill https://doi.org/10.5755/j01.ms.21.3.7232 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Observation of band gap fluctuations and carrier localization in Cu2CdGeSe4
Krustok, Jüri; **Raadik, Taavi**; **Kaupmees, Reelika**; **Grossberg, Maarja**; **Kauk-Kuusik, Marit**; **Timmo, Kristi**; **Mere, Arvo** Journal of physics D : applied physics 2019 / art. 285102 , 7 p. : ill https://doi.org/10.1088/1361-6463/ab1afd 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

Optical and structural properties of orthorhombic and tetragonal polymorphs of Cu2CdGeSe4
Grossberg, Maarja; **Raadik, Taavi**; **Krustok, Jüri**; **Kauk-Kuusik, Marit**; **Timmo, Kristi**; **Kaupmees, Reelika**; **Mikli, Valdek**; **Mere, Arvo** Thin solid films 2018 / p. 44-47 https://doi.org/10.1016/j.tsf.2018.09.031 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optical studies of Cu3BiS3 thin films
Raadik, Taavi TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

Optical study of local strain related disordering in CVD-grown MoSe2 monolayers
Krustok, Jüri; **Raadik, Taavi**; Jaaniso, Raivo; Kiisk, Valter Applied physics letters 2016 / p. 253106-1 - 253106-5 : ill https://doi.org/10.1063/1.4972782 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Photoluminescence and Raman study of Cu2ZnSn(SexS1−x)4 monograins for photovoltaic applications
Grossberg, Maarja; **Krustok, Jüri**; **Raudoja, Jaan**; **Timmo, Kristi**; **Altosaar, Mare**; **Raadik, Taavi** Thin solid films 2011 / p. 7403-7406 : ill

Photoluminescence of spray pyrolysis deposited ZnO nanorods
Kärber, Erki; **Raadik, Taavi**; **Dedova, Tatjana**; **Krustok, Jüri**; **Mere, Arvo**; **Mikli, Valdek**; **Krunks, Malle** Nanoscale research letters 2011 / [7] p.: ill

Photoluminescence study of deep donor- deep acceptor pairs in Cu2ZnSnS4
Krustok, Jüri; **Raadik, Taavi**; **Grossberg, Maarja**; **Kauk-Kuusik, Marit**; Trifiletti, V.; Binetti, S. Materials science in semiconductor processing 2018 / p. 52-55 : ill https://doi.org/10.1016/j.mssp.2018.02.025 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photoluminescence study of defect clusters in Cu2ZnSnS4 polycrystals
Grossberg, Maarja; **Raadik, Taavi**; **Raudoja, Jaan**; **Krustok, Jüri** Current applied physics 2014 / p. 447-450 : ill https://doi.org/10.1016/j.cap.2013.12.029 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photoluminescence study of disordering in the cation sublattice of Cu2ZnSnS4
Grossberg, Maarja; **Krustok, Jüri**; **Raadik, Taavi**; **Kauk-Kuusik, Marit**; **Raudoja, Jaan** Current applied physics 2014 / p. 1424-1427 : ill https://doi.org/10.1016/j.cap.2014.08.013 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photoreflectance study of AgGaTe2 single crystals
Raadik, Taavi; **Krustok, Jüri**; Yakushev, M.V. Physica B : condensed matter 2011 / p. 418-420 : ill

Potential fluctuations in Cu2ZnSnSe4 solar cells studied by temperature dependence of quantum efficiency curves
Krustok, Jüri; **Josepson, Raavo**; **Raadik, Taavi**; **Danilson, Mati** Physica B : condensed matter 2010 / 15, p. 3186-3189 : ill

Producing pyrite based solar panels for the future lunar habitat
Kristmann, Katriin; **Raadik, Taavi**; **Heemskerk, Marc Vincent**; Woods, Arthur; Vogel, Andreas; Collins, Patrick; Gasperovics, Dimitrijis; Makaya, Advenit IAF Space Power Symposium : held at the 75th International Astronautical Congress (IAC 2024) : Milan, Italy, 14-18 October 2024 2024 / p. 312 - 317 https://doi.org/10.52202/078370-0035 Conference proceedings at Scopus Article at Scopus

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. 29

Päikesepaneelid ja korteriühistud: müüdid vs. tegelikkus [Võrguväljaanne]
Raadik, Taavi kinnisvarauudised.ee 2022 Päikesepaneelid ja korteriühistud: müüdid vs. tegelikkus

Päikesepaneelid sobivad ka kortermajale
Raadik, Taavi Võrumaa Teataja 2022 / Lk. 2 Päikesepaneelid sobivad ka kortermajale

Pyrite as promising monograin layer solar cell absorber material for in-situ solar cell fabrication on the Moon
Kristmann, Katriin; **Raadik, Taavi**; **Altosaar, Mare**; **Grossberg-Kuusk, Maarja**; **Krustok, Jüri**; **Pilvet, Maris**; **Mikli, Valdek**; **Kauk-Kuusik, Marit**; Makaya, Advenit Acta Astronautica 2022 / P. 420-424 https://doi.org/10.1016/j.actaastro.2022.07.043 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Pyrite as prospective absorber material for monograin layer solar cell
Kristmann, Katriin; **Altosaar, Mare**; **Raudoja, Jaan**; **Krustok, Jüri**; **Pilvet, Maris**; **Mikli, Valdek**; **Grossberg, Maarja**; **Danilson, Mati**; **Raadik, Taavi** Thin Solid Films 2022 / art. 139068 : ill https://doi.org/10.1016/j.tsf.2021.139068 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Pyrite as prospective monograin layer solar cell absorber material for in-situ solar cell fabrication on the Moon
Kristmann, Katriin; **Raadik, Taavi**; **Altosaar, Mare**; **Grossberg, Maarja**; **Krustok, Jüri**; **Pilvet, Maris**; **Mikli, Valdek**; **Kauk-Kuusik, Marit** IAC 2021 congress proceedings 2021 / p. 1-6 : ill https://deepzone3.ttu.ee/~juri.krustok/PDF-s/IAC-21,C3,4,7,x64087.pdf Conference Proceedings at Scopus Article at Scopus

Pyrite based solar panel in-situ production on the Moon for space-based solar power
Raadik, Taavi; **Kristmann, Katriin**; Ciazela, J.; Jozefowicz, M.; Kowalinski, M.; Sniadkowski, A.; Bakala, J.; Steslicki, M.; Zalewska, N.; Pieterek, B.; Ciazela, M.; Marciniak, D. IAC 2023 congress proceedings 2023 / 9 p. : ill https://iafastro.directory/iac/paper/id/79277/abstract-pdf/IAC-23,D3,2B,6,x79277.brief.pdf?2023-03-30.12:16:44 Conference proceedings at Scopus Article at Scopus

Pyrite FeS2 solar cells fabrication for lunar base energy production
Kristmann, Katriin; **Raadik, Taavi**; **Altosaar, Mare**; **Grossberg-Kuusk, Maarja**; **Krustok, Jüri**; **Pilvet, Maris**; **Mikli, Valdek**; **Kauk-Kuusik, Marit**; **Makaya, Advenit** IAC 2022 congress proceedings 2022 / art. 190266 Pyrite FeS2 solar cells fabrication for lunar base energy production Conference proceedings at Scopus Article at Scopus

Raman spectroscopy for reliability assessment of multilayered AlCrN coating in tribo-corrosive conditions [Online resource]
Baroninš, Janis; **Antonov, Maksim**; **Bereznev, Sergei**; **Raadik, Taavi**; **Hussainova, Irina** Coatings 2018 / art. 229, 12 p. : ill https://doi.org/10.3390/coatings8070229 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Raman spectroscopy of multilayered AlCrN coating under high temperature sliding/oxidation
Baroninš, Janis; **Antonov, Maksim**; **Bereznev, Sergei**; **Raadik, Taavi**; **Hussainova, Irina** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 9-14 https://www.scientific.net/KEM.799.9 https://www.ester.ee/record=b5235278*est https://doi.org/10.4028/www.scientific.net/KEM.799.9 Conference proceeding at Scopus Article at Scopus

Rapid thermal processing of Kesterite thin films
Ganchev, Maxim; Spasova, Stanka; **Raadik, Taavi**; **Mere, Arvo**; **Altosaar, Mare**; **Mellikov, Enn** Coatings 2023 / art. 1449 https://doi.org/10.3390/coatings13081449 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Rippling on wear scar surfaces of nanocrystalline diamond films after reciprocating sliding against ceramic balls
Podgurski, Vitali; Hantschel, Thomas; **Bogatov, Andrei**; **Kimmari, Eduard**; **Antonov, Maksim**; **Viljus, Mart**; **Mikli, Valdek**; **Raadik, Taavi**; **Kulu, Priit** Tribology letters 2014 / p. 493-501 : ill https://doi.org/10.1007/s11249-014-0379-z Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The role of Cl in the chemical bath on the properties of CdS thin films
Maticiuc, Natalia; **Hiie, Jaan**; **Raadik, Taavi**; **Graf, Aleksandr**; **Gavrilov, Aleksei** Thin solid films 2013 / p. 184-187 : ill https://doi.org/10.1016/j.tsf.2012.11.107 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

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 changes in chemically deposited CdS : effect of thermal annealing
Maticiuc, Natalia; Potlog, Tamara; **Hiie, Jaan**; **Mikli, Valdek**; **Põldme, Meeme**; **Raadik, Taavi**; **Valdna, Vello**; **Mere, Arvo**; **Gavrilov, Aleksei**; Sergo, V.; Quinci, Frederico; Lughi, Vanni Moldavian journal of the physical sciences 2010 / 3/4, p. 275-279 https://www.researchgate.net/publication/281997353_Structural_changes_in_chemically_deposited_CdS_Effect_of_thermal_annealing

Study of Cu2CdGeSe4 monograin powders synthesized by molten salt method for photovoltaic applications
Kauk-Kuusik, Marit; **Li, Xiaofeng**; **Pilvet, Maris**; **Timmo, Kristi**; **Grossberg, Maarja**; **Raadik, Taavi**; **Danilson, Mati**; **Mikli, Valdek**; **Altosaar, Mare**; **Krustok, Jüri**; **Raudoja, Jaan** Thin solid films 2018 / p. 15-19 https://doi.org/10.1016/j.tsf.2018.09.025 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Study of point defects in wide- bandgap Cu2CdGeS4 microcrystals by temperature and laser power dependent

photoluminescence spectroscopy
Krustok, Jüri; **Raadik, Taavi**; **Li, Xiaofeng**; **Kauk-Kuusik, Marit**; **Timmo, Kristi**; **Oueslati, Souhaib**; **Grossberg, Maarja** Journal of physics D : applied physics 2020 / 10 p. : ill https://doi.org/10.1088/1361-6463/ab83c1 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Study of structural and optoelectronic properties of $Cu_2Zn(Sn_{1-x}Ge_x)Se_4$ (x = 0 to 1) alloy compounds
Grossberg, Maarja; **Timmo, Kristi**; **Raadik, Taavi**; **Kärber, Erki**; **Mikli, Valdek**; **Krustok, Jüri** Thin solid films 2015 / p. 176-179 : ill https://doi.org/10.1016/j.tsf.2014.10.055 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Süvenev energiakriis annab kosmose-päikeseelektrijaamadele uue hingamise
Raadik, Taavi novaator.err.ee 2024 Süvenev energiakriis annab kosmose-päikeseelektrijaamadele uue hingamise

Synthesis and characterization of pyrite FeS2 solar cell absorber crystals and modifying their surface
Kristmann, Katriin; **Raadik, Taavi**; **Altosaar, Mare**; **Mikli, Valdek**; **Danilson, Mati** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 29 l. Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

ZnCdSeTe semiconductor compounds : preparation and properties
Valdna, Vello; **Grossberg, Maarja**; **Hiie, Jaan**; **Kallavus, Urve**; **Mikli, Valdek**; **Raadik, Taavi**; **Traksmaa, Rainer**; **Viljus, Mart** MRS proceedings 2011 / p. u07-15 https://www.cambridge.org/core/journals/mrs-online-proceedings-library-archive/article/abs/zncdsete-semiconductor-compounds-preparation-and-properties/49279438DA7FE99A846F54C38F77A46D

Tallinna Tehnikaülikooli korvpalliklubi Kapa 1951-2026
2025 https://www.ester.ee/record=b5752833*est

TalTech teel Kuule Päikest võtma
Vaaks, Eveliis; Raadik, Taavi Trialoog 2025 https://trialoog.taltech.ee/tehnikaulikool-teel-kuule-paikest-votma/

Temperature dependent electroreflectance study of CdTe solar cells
Raadik, Taavi; **Krustok, Jüri**; **Josepson, Raavo**; **Hiie, Jaan**; Potlog, Tamara; **Spalatu, Nicolae** Thin solid films 2013 / p. 279-282 : ill https://doi.org/10.1016/j.tsf.2012.12.083 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Temperature dependent electroreflectance study of $Cu_2ZnSnSe_4$ solar cells
Krustok, Jüri; **Raadik, Taavi**; **Grossberg, Maarja**; Giraldo, Sergio; Neuschitzer, Markus; Lopez-Marino, Simon; Saucedo, Edgardo Materials science in semiconductor processing 2015 / p. 251-254 : ill https://doi.org/10.1016/j.mssp.2015.04.055 Journal metrics at Scopus Article at Scopus Article at WOS Article at WOS

Temperature dependent optical and electrical characterization of SnS/CdS solar cell
Raadik, Taavi; **Spalatu, Nicolae**; **Krustok, Jüri**; **Josepson, Raavo**; **Grossberg, Maarja** Thin Solid Films 2022 / art. 139069 https://doi.org/10.1016/j.tsf.2021.139069 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Temperature dependent photoreflectance study of Cu2SnS3 thin films produced by pulsed laser deposition
Raadik, Taavi; **Grossberg, Maarja**; **Krustok, Jüri**; **Kauk-Kuusik, Marit** Applied physics letters 2017 / p. 261105-1 - 261105-4 : ill https://doi.org/10.1063/1.4990657 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Temperature-dependent photoreflectance of SnS crystals
Raadik, Taavi; **Grossberg, Maarja**; **Raudoja, Jaan**; **Traksmaa, Rainer**; **Krustok, Jüri** Journal of physics and chemistry of solids 2013 / p. 1683-1685 : ill https://doi.org/10.1016/j.jpcs.2013.06.002 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of Ag alloying of Cu2(Zn,Cd)SnS4 on the monograin powder properties and solar cell performance
Timmo, Kristi; **Altosaar, Mare**; **Pilvet, Maris**; **Mikli, Valdek**; **Grossberg, Maarja**; **Danilson, Mati**; **Raadik, Taavi**; **Josepson, Raavo**; **Krustok, Jüri**; **Kauk-Kuusik, Marit** Journal of materials chemistry A 2019 / p. 24281-24291 : ill https://doi.org/10.1039/C9TA07768E TTÜ teadlased tõstsid uue põlvkonna päikesepaneelide tõhusust Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of S/SE ratio on the properties of Cu2CdGe(SxSe1-x)4 monograin powders for photovoltaic applications
Li, Xiaofeng; **Kauk-Kuusik, Marit**; **Timmo, Kristi**; **Pilvet, Maris**; **Grossberg, Maarja**; **Raadik, Taavi**; **Danilson, Mati**; **Mikli, Valdek** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 52 http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

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 role of structural properties on deep defect states in Cu2ZnSnS4 studied by photoluminescence spectroscopy

Grossberg, Maarja; **Krustok, Jüri**; **Raudoja, Jaan**; **Raadik, Taavi** Applied physics letters 2012 / p. 102102-1 - 102102-4 : ill
https://pubs.aip.org/aip/apl/article/101/10/102102/126713/The-role-of-structural-properties-on-deep-defect

Tribological properties of nanocrystalline diamond coating at high temperature sliding conductions [Online resource]
Yashin, Maxim; **Baroninš, Janis**; Menezes, Pradeep; **Viljus, Mart**; **Raadik, Taavi**; **Bogatov, Andrei**; **Antonov, Maksim**; **Podgurski, Vitali** 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. : ill http://fmtdk.ut.ee/teesid-2018/

Wear rate of nanocrystalline diamond coating under high temperature sliding conditions
Yashin, Maxim; **Baroninš, Janis**; Menezes, Pradeep; **Viljus, Mart**; **Raadik, Taavi**; **Bogatov, Andrei**; **Antonov, Maksim**; **Podgurski, Vitali** Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 219-223 : ill
https://doi.org/10.4028/www.scientific.net/SSP.267.219 Conference proceedings at Scopus Article at Scopus

Выгодно ли устанавливать солнечные батареи дома?
Raadik, Taavi delfi.ee 2024 Выгодно ли устанавливать солнечные батареи дома?

Ученый отвечает: почему солнечные панели ставят на полях, а не на парковках
Raadik, Taavi rus.err.ee 2024 Ученый отвечает: почему солнечные панели ставят на полях, а не на парковках