

APL study of CIGS thin films implanted with He and D ions

Yakushev, M. V.; Martin, R. W.; **Krustok, Jüri**; Schock, H. W.; Pilkington, R. D.; Hill, A. E.; Tomlinson, R. D. Thin solid films 2000 / p. 488-493

APL study of deep bands in CuIn_{1-x}Ga_xSe₂

Krustok, Jüri; **Raudoja, Jaan**; Yakushev, M.V.; Pilkington, R.D.; Hill, A.E.; Collan, Heikki Twelfth International Conference on Ternary and Multinary Compounds : March 13-17, 2000 : National Tsing Hua University, Hsinchu, Taiwan : abstract[s] 2000 / p. P2-61

Aatomile hakatakse kirjutama sõnu

Krustok, Jüri Eesti Päevaleht 1999 / 20. mai, lk. 11

Aatomlaser - füüsikute uus mängukann

Krustok, Jüri Eesti Päevaleht 1999 / 8. apr., lk. 11

Ajas rändamine - võimatu võimalikkus

Krustok, Jüri Eesti Päevaleht 1997 / 6. jaan., lk. 6: ill https://artiklid.elnet.ee/record=b1789304*est

Algarvude otsinguil

Krustok, Jüri Postimees 1997 / 16. nov., lk. 13

Ameeriklaste uuringud seavad kahtluse alla Newtoni füüsika

Krustok, Jüri Postimees 1998 / 28. okt., lk. 5

Analysis of the edge emission of highly conductive CuGaTe₂

Krustok, Jüri; **Grossberg, Maarja**; **Jagomägi, Andri**; **Danilson, Mati**; **Raudoja, Jaan** Thin solid films 2007 / 15, p. 6192-6195
<https://www.sciencedirect.com/science/article/abs/pii/S0040609006016117>

Andromeeda tähtkuju ühe tähe ümber avastati mitmeplaneedisüsteem

Krustok, Jüri Eesti Päevaleht 1999 / 6. mai, lk. 11: ill

Antiaine abil edasi tähtede poole

Krustok, Jüri Tehnikamaailm 2003 / 8, lk. 62-64 : ill https://artiklid.elnet.ee/record=b1043062*est

Apelsinide pakkimise matemaatika

Krustok, Jüri Eesti Päevaleht 1998 / 10. sept., Uus Meedia, lk. 6: ill <https://dea.digar.ee/article/eestipaevaleht/1998/09/10/30.2.15>

APL study of CIGS thin films implanted with He and D ions

Yakushev, M.; Pilkington, R. D.; Hill, A. E.; Tomlinson, R. D.; Martin, R. W.; **Krustok, Jüri**; Schock, H. W. E-MRS Spring Meeting : Strasbourg, 1999 : abstracts 1999 / p. O <http://staff.ttu.ee/~juri.krustok/PDF-s/TSF-488.pdf>

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

Arvutitele koidab valgustusaeg

Krustok, Jüri Uus Meedia : Eesti Päevalehe lisa 1997 / 27. nov., lk. 6

Asteroid tappis dinosaurused

Krustok, Jüri Eesti Päevaleht 1998 / 3. dets., Uus Meedia, lk. 6

Asteroid ähvardab Maale prantsatada : ohtlikku taevakeha saab kahjutuks muuta

Krustok, Jüri; Tuvikene, Tõnu Eesti Päevaleht 1998 / 18. märts, lk. 8.: ill

Astronoomid vaatlesid esimest kaugplaneeti

Krustok, Jüri Eesti Päevaleht 1999 / 2. dets., lk. 13

Avastati Universumi kaugeim objekt

Krustok, Jüri Eesti Päevaleht 2000 / 18. märts, lk. 17 <https://epl.delfi.ee/artikkel/50784965/avastati-universumi-kaugeim-objekt>

Back Orifice painab sysop'e

Krustok, Jüri Eesti Päevaleht 1998 / 10. sept., Uus Meedia, lk. 6

Bandgap fluctuations, hot carriers, and band-to-acceptor recombination in Cu₂ZnSn(S,Se)₄ microcrystals

Krustok, Jüri; **Kaupmees, Reelika**; **Abbasi, Nafiseh**; **Muska, Katri**; **Mengü, Idil**; **Timmo, Kristi** Physica status solidi - rapid

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](#)

Characterization of sprayed CuInS₂ films annealed in hydrogen sulfide atmosphere

Krunk, Malle; Mere, Arvo; Katerski, Atanas; Mikli, Valdek; Krustok, Jüri *Thin solid films* 2006 / p. 434-438 : ill

Characterization of tetrahedrite Cu₁₀Cd₂Sb₄S₁₃ monograin materials grown in molten CdI₂ and LiI

Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare; Mikli, Valdek; Pilvet, Maris; Kaupmees, Reelika; Krustok, Jüri; Grossberg, Maarja; Kauk-Kuusik, Marit *Thin solid films* 2021 / art. 138980 <https://doi.org/10.1016/j.tsf.2021.138980> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Chemical vapour deposition of WS₂ monolayers [Online resource]

Kaupmees, Reelika; Grossberg, Maarja; Krustok, Jüri *Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad* : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p <http://fntdk.ut.ee/teesid-2019/>

Comment on "Line shape, line width and configuration coordinate diagram of the Cu band (1.21 eV) in InP" [J. Appl. Phys. 78 (1995) p. 5206]

Collan, Heikki; Krustok, Jüri *Journal of applied physics* 1996 / 3, p. 1937-1939

Comparison of CdS films deposited from chemical baths containing different doping impurities

Altosaar, Mare; Ernits, Kaia; Krustok, Jüri; Varema, Tiit; Raudoja, Jaan; Mellikov, Enn *Thin solid films* 2005 / p. 147-150 : ill

Compositional dependence of Raman scattering and photoluminescence emission in Cu-Ga-Se films grown by MOCVD

Grossberg, Maarja; Krustok, Jüri; Siebentritt, Susanne; Albert, Jürgen *Physica B : condensed matter* 2009 / 14/15, p. 1984-1988 : ill

Comprehensive study of photoluminescence and device properties in Cu₂Zn(Sn_{1-x}Gex)₄ monograins and monograin layer solar cells

Mengü, İdil; Muska, Katri; Pilvet, Maris; Mikli, Valdek; Dudutiene, Evelina; Kondrotas, Rokas; Krustok, Jüri; Kauk-Kuusik, Marit; Grossberg-Kuusik, Maarja *Solar energy materials and solar cells* 2024 / art. 113124 <https://doi.org/10.1016/j.solmat.2024.113124> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Configuration-coordinate model and the defect states of semiconductors, CdTe in particular

Hjelt, Kari; Collan, Heikki; Krustok, Jüri; Mäddasson, Jaan *Annual report 1994 / Optoelectronics Laboratory, Helsinki University of Technology* 1995 / p. 50-51

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

Cu₂Zn_{1-x}CdSn(Se_{1-y}Sy)₄ solid solutions as absorber materials for solar cells

Altosaar, Mare; Raudoja, Jaan; Timmo, Kristi; Danilson, Mati; Grossberg, Maarja; Krustok, Jüri; Mellikov, Enn *Physica status solidi (a) : applications and materials science* 2008 / 1, p. 167-170 : ill <https://colab.ws/articles/10.1002%2Fpssa.200776839>

Cu₂ZnSnS₄ monograin layer solar cells for flexible photovoltaic applications

Kauk-Kuusik, Marit; Timmo, Kristi; Pilvet, Maris; Muska, Katri; Danilson, Mati; Krustok, Jüri; Josepson, Raavo; Mikli, Valdek; Grossberg-Kuusik, Maarja *Journal of materials chemistry A* 2023 / p. 23640-23652 <https://doi.org/10.1039/D3TA04541B> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Deep and edge photoluminescence emission of CuInTe₂

Jagomägi, Andri; Krustok, Jüri; Raudoja, Jaan; Grossberg, Maarja; Danilson, Mati Physica status solidi (b) 2003 / 2, p. R3-R5

Deep Blue - kaks kuupmeetrit kiirust : [arvuti võitis G.Kasparovit]

Krustok, Jüri Eesti Päevaleht 1997 / 19. mai, lk. 6

Deep center luminescence in p-type CdTe

Krustok, Jüri; Valdna, Vello; Hjelt, Kari; Collan, Heikki Journal of applied physics 1996 / 3, p. 1757-1762: ill

Deep defect related photoluminescence in heavily doped CuGaTe₂

Jagomägi, Andri; Krustok, Jüri; Grossberg, Maarja; Danilson, Mati; Raudoja, Jaan Physica status solidi (a) 2006 / 5, p. 949-955 : ill <http://deepzone3.ttu.ee/~juri.krustok/PDF-s/Deep%20defect%20related%20photoluminescence%20in%20heavily%20doped.pdf>

Deep defects in Cu₂ZnSnS₄ monograin solar cells

Kask, Erkki; Raadik, Taavi; Grossberg, Maarja; Josepson, Raavo; Krustok, Jüri Energy procedia 2011 / p. 261-265

Deep-level photoluminescence of doped CdTe in 0,8 eV region

Krustok, Jüri; Löö, A.; Piibe, Toomas Journal of physics and chemistry of solids 1991 / 8, p. 1037-1038

Defect studies in Cu₂ZnSnSe₄ and Cu₂ZnSn(Se_{0.75}S_{0.25})₄ by admittance and photoluminescence spectroscopy

Kask, Erkki; Grossberg, Maarja; Josepson, Raavo; Salu, Pille; Timmo, Kristi; Krustok, Jüri Materials science in semiconductor processing 2013 / p. 992-996 : ill <https://doi.org/10.1016/j.mssp.2013.02.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Defects and their formation processes in non-stoichiometric II-VI compounds

Erm, Ants; Krustok, Jüri; Kuk, Peeter-Enn 32nd IUPAC Congress, Stockholm, 2-7 August 1989 : book of abstracts 1989 / p. 94 https://www.ester.ee/record=b4149424*est

Detailed insight into the CZTS/CdS interface modification by air annealing in monograin layer solar cells

Kauk-Kuusik, Marit; Timmo, Kristi; Muska, Katri; Pilvet, Maris; Krustok, Jüri; Josepson, Raavo; Brammertz, Guy; Vermang, Bart; Danilson, Mati; Grossberg, Maarja ACS Applied Energy Materials 2021 / p. 12374-12382 <https://doi.org/10.1021/acsam.1c02186> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of band gap tuned CU₂ZN(SN₁-XGEX)S₄ monograin powders

Mengü, Idil; Grossberg-Kuusk, Maarja; Muska, Katri; Pilvet, Maris; Mikli, Valdek; Kaupmees, Reelika; Krustok, Jüri; Kauk-Kuusik, Marit Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 39 I. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

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](#)

Device characteristics of CuInSe₂ based solar cells

Krustok, Jüri; Danilson, Mati; Jagomägi, Andri; Grossberg, Maarja; Raudoja, Jaan Proceedings of SPIE 2005 / Optical materials and applications, p. 236-242

Device characteristics of CuInSe₂ based solar cells

Krustok, Jüri; Danilson, Mati; Jagomägi, Andri; Grossberg, Maarja; Raudoja, Jaan The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6-9, 2004 : abstracts 2004 / p. 45

Does the low-temperature Arrhenius plot of the photoluminescence intensity in CdTe point towards an erroneous activation energy?

Krustok, Jüri; Collan, Heikki; Hjelt, Kari Journal of applied physics 1997 / 3, p. 1442-1445: ill

Effect of germanium incorporation on the properties of kesterite Cu₂ZnSn(S,Se)₄ monograins

Oueslati, Souhaib; Grossberg, Maarja; Kauk-Kuusik, Marit; Mikli, Valdek; Ernits, Kaia; Meissner, Dieter; Krustok, Jüri Thin solid films 2019 / p. 315-320 : ill <https://doi.org/10.1016/j.tsf.2018.11.020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of Ar⁺ etching of Cu₂ZnSnSe₄ thin films : An x-ray photoelectron spectroscopy and photoluminescence study

Yakushev, Michael V.; Sulimov, Mikhail A.; Skidchenko, Ekaterina; Krustok, Jüri Journal of Vacuum Science & Technology B 2018 / art. 061208, 8 p. : ill <https://doi.org/10.1116/1.5050243> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of cationic substitution on the properties of $\text{Sb}_{1-x}\text{Bi}_x\text{Se}$ ($x = 0-1$) compounds

Dolcet Sadurni, Marc; Timmo, Kristi; Mikli, Valdek; Krustok, Jüri; Danilson, Mati; Suchodolskis, Arturas; Radu, Cristian; Bocirnea, Amelia Elena; Grossberg-Kuusk, Maarja; Kauk-Kuusik, Marit Journal of Alloys and Compounds 2025 / art. 182292
<https://doi.org/10.1016/j.jallcom.2025.182292>

Effects of deuterium implantation on the optical properties of $\text{Cu}(\text{InGa})\text{Se}_2$

Yakushev, M. V.; Martin, R. W.; Krustok, Jüri Thin solid films 2001 / p. 201-204

Effects of irradiation of $\text{ZnO}/\text{CdS}/\text{Cu}_2\text{ZnSnSe}_4/\text{Mo}/\text{glass}$ solar cells by 10 MeV electrons on photoluminescence spectra

Sulimov, M. A.; Sarychev, M.N.; Yakushev, Michael V.; Krustok, Jüri Materials science in semiconductor processing 2021 / art. 105301, 5 p. : ill <https://doi.org/10.1016/j.mssp.2020.105301> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effects of selenisation temperature on photoluminescence and photoluminescence excitation spectra of $\text{ZnO}/\text{CdS}/\text{Cu}_2\text{ZnSnSe}_4/\text{Mo}/\text{glass}$

Sulimov, Mikhail A.; Yakushev, M. V.; Marquez-Prieto, J.; Krustok, Jüri Thin solid films 2019 / p. 146-151 : ill <https://doi.org/10.1016/j.tsf.2019.01.002> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Einstein, E- mc² ja füüsika-aasta

Krustok, Jüri Tehnikamaailm 2005 / 7, lk. 50-53 : ill https://artiklid.elnet.ee/record=b1050495*est

Electrical properties of sprayed CuInS_2 films for solar cells

Mere, Arvo; Kijatkina, Olga; Rebane, Helen; Krustok, Jüri; Krunks, Malle Journal of physics and chemistry of solids 2003 / Issues 9/10, p. 2025-2029 : ill

Electronic and structural characterisation of Cu_3BiS_3 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

Electron-phonon interaction in the deep centre photoluminescence of $\text{CdS}:\text{Ag}:\text{Cl}$

Krustok, Jüri; Mäddasson, Jaan Journal of physics and chemistry of solids 1994 / 9, p. 831-833

Elekter levib liinideta

Krustok, Jüri Luup 1996 / 16, lk. 48-49

Elektron tunnetab vaateajat

Krustok, Jüri Eesti Päevaleht 1998 / 12. märts, Uus Meedia, lk. 6

Elementaarne kui mitteelementaarne

Krustok, Jüri Horisont 1998 / 8, lk. 13-14: ill https://artiklid.elnet.ee/record=b2035173*est

Elu energiameres

Krustok, Jüri Horisont 2002 / 2, lk. 10-11 : ill http://www.horisont.ee/arhiiv_2000_2002/h2002n2l4.html

Elu loomine katseklaasis on lähemal kui kunagi varem

Krustok, Jüri Eesti Päevaleht 2000 / 5. veebr., lk. 16 https://artiklid.elnet.ee/record=b1637141*est

Elu teke nihkub kaugminevikku

Krustok, Jüri Eesti Päevaleht 1997 / 1. sept., lk. 6 https://artiklid.elnet.ee/record=b1789273*est

Elu võis tulla Marsilt

Krustok, Jüri Päevaleht 1998 / 17. dets., Uus Meedia, lk. 6

Energiat saab pumbata kosmosest

Krustok, Jüri Uus Meedia : Eesti Päevalehe lisa 1997 / 11. dets., lk. 6

Energy of excitons in CuInS_2 single crystals

Yakushev, M.V.; Mudryi, A.V.; Victorov, I.V.; Krustok, Jüri; Mellikov, Enn Applied physics letters 2006 / 1, [3] p

Erratum: Origin of the deep center photoluminescence in CuGaSe₂ and CuInS₂ crystals (J.Appl. Phys. 86, 364(1999))
Krustok, Jüri; Schön, J.H.; Collan, Heikki; Yakushev, M.; **Mädasson, Jaan**; Bucher, E. Journal of applied physics 2001 / 12, p. 8357-8358

Evaluating the state of the art of photovoltaic performance modelling in Europe

Williams, S.; Betts, T.; **Krustok, Jüri** Proceedings of the 20th European Photovoltaic Solar Energy Conference 2006 / p. 1937-1941
<http://staff.ttu.ee/~juri.krustok/PDF-s/williams%20et%20al.pdf>

Ferromagnetism in rare earth doped cerium oxide bulk samples

Chandra Dimri, Mukesh; **Khanduri, Himani**; Kooskora, Helgi; Subbi, Juhan; Heinmaa, Ivo; **Mere, Arvo**; **Krustok, Jüri**; Stern, Raivo Physica status solidi (a) 2012 / p. 353-358 : ill <https://onlinelibrary.wiley.com/doi/full/10.1002/pssa.201127403>
<https://onlinelibrary.wiley.com/doi/full/10.1002/pssa.201127403>

Formation of photosensitivity in CdSexTe1-x monograin powders

Altosaar, Mare; **Krustok, Jüri**; **Mädasson, Jaan**; **Mellikov, Enn** Book of Abstracts of the 11th International Conference on Ternary & Multinary Compounds, 8-12 September 1997, Salford, England 1997 / p. 1.45

Formation of photosensitivity in CdSexTe1-x monograin powders

Altosaar, Mare; **Krustok, Jüri**; **Mädasson, Jaan**; **Mellikov, Enn**; **Kukk, Peeter-Enn** Ternary and Multinary Compounds : proceedings of the 11th International Conference on Ternary and Multinary Compounds, ICTMC-11, University of Salford, 8-12 September 1997 1998 / p. 553-556: ill

Fundamental studies for improved photovoltaic materials and devices

Mellikov, Enn; **Krunks, Malle**; **Altosaar, Mare**; **Krustok, Jüri**; **Valdna, Vello** Proceedings of International Conference QUANTSOL'99 : Wildhaus, Switzerland, 1999 1999 / p. 41-45

Further developments in CIS monograin layer solar cells technology

Altosaar, Mare; **Danilson, Mati**; **Kauk, Marit**; **Krustok, Jüri**; **Mellikov, Enn**; **Raudoja, Jaan**; **Timmo, Kristi**; **Varema, Tiit** Solar energy materials and solar cells 2005 / p. 25-32 : ill

Füüsika tungib poliitikasse : [president L.Meri kõnedest]

Krustok, Jüri Eesti Päevaleht 1996 / 16. sept., lk. 6 https://artiklid.elnet.ee/record=b1830594*est

Gammasähvatus tõi teate universumi algaegadest

Krustok, Jüri Eesti Päevaleht 1998 / 21. mai, Uus Meedia lk. 6: ill

Growth and optical properties of two-dimensional transition metal dichalcogenides = Kahedimensionaalsete siirdemetallide dikalkogeniidide kasvatus ning optiliste omaduste uurimine

Kaupmees, Reelika 2021 <https://digikogu.taltech.ee/et/Item/72b400aa-c5da-4db6-8cb0-acce54153e2a>
https://www.ester.ee/record=b5429502*est <https://doi.org/10.23658/taltech.25/2021>

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

High efficient photovoltaics in Estonia

Altosaar, Mare; **Bereznev, Sergei**; **Kauk, Marit**; **Krunks, Malle**; **Krustok, Jüri**; **Mellikov, Enn**; **Raudoja, Jaan**; **Varema, Tiit** Proc. 3rd Workshop held at JRC Ispra, 2-3 Oct. 2003 2004 / p. 179-190

High temperature properties of CdTe crystals, doped by Sb

Fochuk, P.; Grill, R.; Nykonyuk, Y.; **Krustok, Jüri**; Armani, N.; Zakharuk, Z.; **Grossberg, Maarja**; Panchuk, O. IEEE transactions on nuclear science 2007 / 4, p. 763-768

High-temperature self disorder in CuInSe₂

Krustok, Jüri; **Kukk, Peeter-Enn**; **Altosaar, Mare** Crystal research and technology 1996 / p. 159-162

High-temperature selfdisorders in CnInSe₂

Krustok, Jüri; **Kukk, Peeter-Enn**; **Altosaar, Mare** Proceedings : 10th International Conference on Ternary and Multinary Compounds : Stuttgart, September 19-22, 1995 1996

Hollywood võistleb teadusega

Krustok, Jüri Eesti Päevaleht 1998 / 19. aug., Uus Meedia, lk. 6

Identification of excitons and biexcitons in Sb₂Se₃ under high photoluminescence excitation density

Krustok, Jüri; Kondrotas, Rokas; Nedzinskas, Ramunas; **Timmo, Kristi**; **Kaupmees, Reelika**; **Mikli, Valdek**; **Grossberg, Maarja**

Imepärane ühend : [vesi]

Krustok, Jüri Horisont 1999 / 3, lk. 19-20 https://artiklid.elnet.ee/record=b1000792*est

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](#)

Impact of the selenisation temperature on the structural and optical properties of CZTSe absorbers

Marquez-Prieto, J.; Yakushev, M.V.; Forbes, I.; **Krustok, Jüri** Solar energy materials and solar cells 2016 / p. 42-50 : ill <https://doi.org/10.1016/j.solmat.2016.03.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In Ambient Air Processed Cu₂ZnSnS₄ Absorber Layers from DMSO-Based Precursors: Enhanced Efficiency via Device Post-annealing

Nasyori, Achmad; Pilvet, Maris; Saar, Annabel; Krustok, Jüri; Danilson, Mati; Kaupmees, Reelika; Mikli, Valdek; Gong, Yuancai; Grossberg-Kuusk, Maarja; Kauk-Kuusik, Marit Journal of Materials Chemistry A 2025 <https://doi.org/10.1039/D5TA04554A>

In-depth photoluminescence analysis of Cu₂GeS₃ microcrystals under pulsed and continuous-wave excitation

Krustok, Jüri; Kokla, Joel; Kaupmees, Reelika; Grossberg-Kuusk, Maarja; Kauk-Kuusik, Marit Journal of Physics Energy 2025 <https://doi.org/10.1088/2515-7655/adc836>

Influence of alkali iodide fluxes on Cu₂ZnSnS₄ monograin powder properties and performance of solar cells

Timmo, Kristi; Pilvet, Maris; Muska, Katri; Altosaar, Mare; Mikli, Valdek; Kaupmees, Reelika; Josepson, Raavo; Krustok, Jüri; Grossberg-Kuusk, Maarja; Kauk-Kuusik, Marit Materials advances 2023 / p. 4509-4519 : ill <https://doi.org/10.1039/D3MA00444A> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of Na doping on opto-electrical properties of CdTe:Cl

Altosaar, Mare; Kuk, Peeter-Enn; Raudoja, Jaan; Krustok, Jüri; Krunks, Malle; Mellikov, Enn; Raudoja, Jaan vt.ka Mäddasson, Jaan 11th International Photovoltaic Science and Engineering Conference : Sept. 20-24/1999, Hokkaido, Japan : technical digest 1999 / p. 457-458: ill

Influence of point defects on optoelectronic properties of II-IV semiconductors

Kuk, Peeter-Enn; Krustok, Jüri; Altosaar, Mare; Aarna, Heiti Abstract booklet of the First International Conference on Mathematical Science of chalcogenide and Diamond-structure Semiconductors, Chernovtsi, 1994. Vol. 1 1994 / p. 129

Influence of point defects on physical qualities of semiconductors

Altosaar, Mare; Buschmann, Felix; Erm, Ants; Krustok, Jüri; Kuk, Peeter-Enn; Lõo, A.; Mäddasson, Jaan; Tomson, A. Journal of materials and product. technology 1991

Influence of the copper content on the optical properties of CZTSe thin films

Yakushev, M. V.; Sulimov, M. A.; Marquez-Prieto, J.; Forbes, I.; **Krustok, Jüri** Solar energy materials and solar cells 2017 / p. 69-77 : ill <https://doi.org/10.1016/j.solmat.2017.04.022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Internet vajab uut postisüsteemi : marsruuterid jäävad jalgu

Krustok, Jüri Eesti Päevaleht 1998 / 15. jaan., Uus Meedia, lk. 6

Investigation of potential and compositional fluctuations in CuGa₃Se₅ crystals using photoluminescence spectroscopy

Grossberg, Maarja; Krustok, Jüri; Jagomägi, Andri; Leon, M.; Arushanov, E.; Nateprov, A.; Bodnar, I. Thin solid films 2007 / 15, p. 6204-6207 : ill <https://www.sciencedirect.com/science/article/pii/S0040609006016221>

Investigation of P-type conductivity in CdTe and ZnTe

Valdna, Vello; Hiie, Jaan; Krustok, Jüri; Mellikov, Enn International Conference Advanced Optical Materials and Devices, Riga, 1996 1996 / p. 204

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](#)

Jahitakse Suure Paugu tunnistajaid

Krustok, Jüri Eesti Päevaleht 2000 / 26. veebr., lk. 23 : ill <https://epl.delfi.ee/artikkel/50783824/jahitakse-suure-paugu-tunnistajaid> https://artiklid.elnet.ee/record=b1636982*est

Juhtiv termotuumasüntees uuele ringile

Krustok, Jüri Postimees 1998 / 8. veebr., lk. 11

Kaitselaserid tulevad relvastusse

Krustok, Jüri Eesti Päevaleht 1999 / 16. det., lk. 13

Kaksikmurdumine pani astronoomid kihama

Krustok, Jüri Eesti Päevaleht 1997 / 26. mai, lk. 6

Kas haritlane jääbki luuseriks?

Krustok, Jüri Eesti Päevaleht 1997 / 1. apr., lk. 2

Keravälgu müsteerium lahendatud?

Krustok, Jüri Horisont 2000 / 3, lk. 38-39 https://artiklid.elnet.ee/record=b1004299*est

Kes siis ikka leiutas raadio?

Krustok, Jüri Horisont 1997 / 5, Horisondi Ekstra, lk. 10-11: ill

Kesterite monograins for solar cells and water splitting applications

Oueslati, Souhaib; Pilvet, Maris; Grossberg, Maarja; Kauk-Kuusik, Marit; Krustok, Jüri; Meissner, Dieter Thin solid films 2021 / art. 138981 <https://doi.org/10.1016/j.tsf.2021.138981> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Kiudoptika toob murrangu meie ellu

Krustok, Jüri Eesti Päevaleht 1996 / 30. det., lk. 6: ill

Kristalne universum

Krustok, Jüri Eesti Päevaleht 1997 / 28. apr., lk. 6 <https://epl.delfi.ee/artikkel/50738659/universum-voib-osutada-kristalliliseks>

Kvantfüüsika lahendamata saladused

Krustok, Jüri Horisont 1997 / 7, lk. 16-18: ill https://artiklid.elnet.ee/record=b2034661*est

Kõrgtehnoloogia ja füüsika

Krustok, Jüri Loodusainete õpetamisest koolis. II 2005 / lk. 180-183

Külm tulevik

Krustok, Jüri Tehnikamaailm 2005 / 6, lk. 62-64, 67 : ill https://artiklid.elnet.ee/record=b1050110*est

Külm tuumasüntees aastaid pärast avastust

Krustok, Jüri Elav Teadus 1997 / lk. 40-46: ill https://artiklid.elnet.ee/record=b2002669*est

Kütuseelement võiks olla Eesti tee

Krustok, Jüri Eesti Päevaleht 1997 / 28. sept., lk. 6: ill

Local strain-induced band gap fluctuations and exciton localization in aged WS2 monolayers

Krustok, Jüri; Kaupmees, Reelika; Jaaniso, Raivo; Kiisk, Valter; Sildos, Ilmo; Li, B.; Gong, Y. AIP advances 2017 / art. 065005, 12 p. <https://doi.org/10.1063/1.4985299> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Low temperature air-annealing of Cu(InGa)Se2 single crystals

Yakushev, M.V.; Jack, A.; Pettigrew, I.; Feofanov, Y.; Mudryi, A.V.; Krustok, Jüri Thin solid films 2006 / p. 135-139

Low temperature time resolved photoluminescence in ordered and disordered Cu2ZnSnS4 single crystals

Raadi, 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](#)

A luminescence study of Cu2ZnSnSe4/Mo/glass films and solar cells with near stoichiometric copper content

Yakushev, M. V.; Sulimov, M. A.; Marquez-Prieto, J.; Krustok, Jüri Journal of physics D : applied physics 2019 / art. 055502, 10 p. : ill <https://doi.org/10.1088/1361-6463/aaefe3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Läbi vaakumi tähtede poole : NASA rahastab suurte kiiruste projekte

Krustok, Jüri Eesti Päevaleht 1999 / 23. sept., lk. 11 https://artiklid.elnet.ee/record=b1685460*est

Maailma avardanud 25 avastust

Krustok, Jüri Postimees 1998 / 25. nov., lk. 7

Maaailma kalleim hotell : [kosmosejaam Mir]

Krustok, Jüri Eesti Päevaleht 2000 / 4. märts, lk. 21

Maaailma lõpp - võimalikud stsenaariumid

Krustok, Jüri Horisont 2001 / 4, lk. 4-8 : fot https://artiklid.elnet.ee/record=b1007623*est

Maaailma lõpu stsenaariumid

Krustok, Jüri Tehnikamaailm 2006 / 3, lk. 74-77 : ill https://artiklid.elnet.ee/record=b1053478*est

Maaailma võib vaadelda kui hiiglaslikku ülesvõtet

Krustok, Jüri Eesti Päevaleht 1996 / 10. apr., lk. 7: ill

Maailmakonstandid üllatavad : muutumatud suurused kipuvad muutuma

Krustok, Jüri Eesti Päevaleht 1998 / 23. apr., Uus Meedia lk. 10: ill

Maailmateadus Kopli liinidel : Tehnikaülikooli teadlased otsivad võimalust, kuidas päikesest odavamalt elektrit teha : [töörühm: Enn Mellikov (juht), Malle Krunks, Mare Altosaar, Jüri Krustok ja Vello Valdna oma uurimistööst]

Mellikov, Enn; Krunks, Malle; Altosaar, Mare; Krustok, Jüri; Valdna, Vello; Kändler, Tiit Eesti Päevaleht 1998 / 14. jaan., lk. 10 : ill., fot

Maarja Grossberg ja Jüri Krustok: teadus areneb alati säästlikuma ja tõhusama poole

Grossberg, Maarja; Krustok, Jüri Mente et Manu 2021 / lk. 12-17 : fot [Mente et Manu 2/2021](https://www.menteetmanu.ee/2021/02/mentetmanu-2021-02-01)

Magneetilised konnad ei hüppa. Nad lendavad

Krustok, Jüri Pühapäevaleht 1997 / 27. apr., lk. A17

Magnetic and dielectric studies of multiferroic Y – type hexaferrites

Khanduri, Himani; Chandra Dimri, Mukesh; Kooskora, Helgi; Heinmaa, Ivo; Viola, G.; Ning, H.; Reece, M.; Krustok, Jüri; Stern, Raivo 4th WUN International Conference on Spintronics (WUN-SPIN 2012) : 23–25 July 2012, Sydney, Australia 2012

Magnetic and structural studies of LaMnO₃ thin films prepared by atomic layer deposition

Khanduri, Himani; Chandra Dimri, Mukesh; Vasala, S.; Leinberg, Silver; Lõhmus, Rünno; Ashworth, T. V.; Mere, Arvo; Krustok, Jüri; Karppinen, Maarit; Stern, Raivo Journal of physics D : applied physics 2013 / p. 1-8 : ill <https://doi.org/10.1088/0022-3727/46/17/175003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Magnetic properties of functional oxides = Funktsionaalsete oksiidide magnetilised omadused

Khanduri, Himani 2013 https://www.ester.ee/record=b2954989*est

Marsil oli elu, ei olnud, oli, ei olnud ...

Krustok, Jüri Loodus 1998 / märts, lk. 36: ill

Materials and technologies for photovoltaic applications from Estonia

Mellikov, Enn; Altosaar, Mare; Bereznev, Sergei; Kauk, Marit; Kois, Julia; Krustok, Jüri; Krunks, Malle; Varema, Tiit

Proceedings of SPIE 2005 / Optical materials and applications, p. 59460X-1 - 59460X-9 : ill https://www.researchgate.net/profile/Mare-Altosaar/publication/252219854_Materials_and_technologies_for_photovoltaic_applications_from_Estonia/links/54e5e6520cf2cd2e028b39ca/Materials-and-technologies-for-photovoltaic-applications-from-Estonia.pdf

Materials and technologies for photovoltaic applications from Estonia

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

Mehaanikainseneri käsiraamat

2015

Mehaanikainseneri käsiraamat

2013 https://www.ester.ee/record=b3007631*est

Mehaanikainseneri käsiraamat

2012 https://www.ester.ee/record=b2860301*est

Mehaaniline andmesalvestus?!

Krustok, Jüri Tehnikamaailm 2003 / 6, lk. 46-47 : ill https://artiklid.elnet.ee/record=b1042766*est

Mehhanotehnika ja metallide käsiraamat

2012 http://www.ester.ee/record=b2860365*est

Meile vastab füüsik Jüri Krustok

Krustok, Jüri Horisont 1998 / 7, lk. 22-23: fot

Microphotoluminescence study of Cu₂ZnSnS₄ polycrystals

Grossberg, Maarja; Salu, Pille; Raudoja, Jaan; Krustok, Jüri Journal of photonics for energy 2013 / p. 030599-1 - 030599-6 : ill

Mikroelektroonika on muutumas nanoelektroonikaks

Krustok, Jüri Eesti Päevaleht 1996 / 24. apr., lk. 7

Mikroskoop vaatab üha täpsemalt

Krustok, Jüri Elav Teadus 1996 / 4, lk. 31-33: ill https://artiklid.elnet.ee/record=b2002195*est

Milleks meile päikesepatareid?

Krustok, Jüri Tehnikamaailm 2007 / 3, lk. 64-67 : ill https://artiklid.elnet.ee/record=b1056992*est

Modification of the optoelectronic properties of Cu₂CdSnS₄ through low-temperature annealing

Pilvet, Maris; Kauk-Kuusik, Marit; Grossberg, Maarja; Raadik, Taavi; Mikli, Valdek; Traksmäe, 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.jafastro.directory/event/IAC-2020/paper/56905/> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Monograin layer solar cells

Altosaar, Mare; Jagomägi, Andri; Kauk, Marit; Krunk, Malle; Krustok, Jüri; Mellikov, Enn; Raudoja, Jaan; Varema, Tiit E-MRS Spring Meeting 2002 : June 18-21, 2002. Symposium B, Thin Film Chalcogenide Photovoltaic Materials 2002 / p. B-29

Monograin layer solar cells

Altosaar, Mare; Jagomägi, Andri; Kauk, Marit; Krunk, Malle; Krustok, Jüri; Mellikov, Enn; Raudoja, Jaan; Varema, Tiit Thin solid films 2003 / p. 466-469 : ill

Murtud südant on ehk võimalik parandada

Krustok, Jüri Postimees 1998 / 13. sept., lk. 11

Must räni töi helged lootused

Krustok, Jüri Eesti Päevaleht 2000 / 19. veebr., lk. 23 https://artiklid.elnet.ee/record=b1637055*est

Mõned teaduse ülesanded

Krustok, Jüri Postimees 1997 / 21. det., lk. 13

Naljakas teadus

Krustok, Jüri Tehnikamaailm 2004 / 2, lk. 68-71 : ill https://artiklid.elnet.ee/record=b1044970*est

Nanotorud

Krustok, Jüri Horisont 1998 / 4, Horisondi Ekstra, lk. 9-11: ill

Nanotorudest lameekraanid astuvad areenile : [kineskoopidest]

Krustok, Jüri Päevaleht 1998 / 19. nov., Uus Meedia, lk. 6

Nature of the native deep localized defect recombination centers in the chalcopyrite and orthorhombic AgInS₂

Krustok, Jüri; Raudoja, Jaan; Krunk, Malle; Mändar, H.; Collan, Heikki Journal of applied physics 2000 / 1, p. 205-209 : ill <https://pubs.aip.org/aip/jap/article/88/1/205/486608/Nature-of-the-native-deep-localized-defect>

Neljanda vaala probleem : Hubble'i konstandi täpsustas samanimeline teleskoop

Krustok, Jüri Loodus 1999 / juuli, lk. 38 https://artiklid.elnet.ee/record=b1002159*est

Neutriinol on siiski mass!

Krustok, Jüri Horisont 1998 / 7, Horisondi Ekstra, lk. 12-13 https://artiklid.elnet.ee/record=b2035171*est

Nobeli preemia külmutatud aatomite eest

Krustok, Jüri Luup 1997 / 23, lk. 42-44: ill

Nõjavitsast teadlase pilguga

Krustok, Jüri Horisont 1997 / 8, lk. 18-19 https://artiklid.elnet.ee/record=b2034640*est

Nähtamatud galaktikad

Krustok, Jüri; Jõeveer, Mihkel Postimees 1997 / 12. okt

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](#)

On the shape of the close-to-band-edge photoluminescent emission spectrum in compensated CuGaSe₂

Krustok, Jüri; Raudoja, Jaan; Yakushev, M.; Pilkington, R.D.; Collan, Heikki Physica status solidi (a) 1999 / p. 483-490 <https://onlinelibrary.wiley.com/doi/abs/10.1002/%28SICI%291521-396X%28199906%29173%3A2%3C483%3A%3AAID-PSSA483%3E3.0.CO%3B2-A>

1.4 eV photoluminescence in chlorine-doped polycrystalline CdTe

Hjelt, Kari; Collan, Heikki; **Krustok, Jüri**; Mäddasson, Jaan Annual report 1994 / Optoelectronics Laboratory, Helsinki University of Technology 1995 / p. 47-48

1.4 eV photoluminescence in chlorine-doped polycrystalline CdTe with a high density of defects

Krustok, Jüri; Mäddasson, Jaan; Collan, Heikki; Hjelt, Kari Journal of materials science 1997 / p. 1545-1550: ill <https://link.springer.com/article/10.1023/A:1018526622440>

1.4-eV photoluminescence in chlorine doped polycrystalline CdTe

Krustok, Jüri; Mäddasson, Jaan; Hjelt, Kari; Collan, Heikki Journal of physics and chemistry of solids 1994

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 properties of high quality Cu₂ZnSnSe₄ thin films

Luckert, F.; Hamilton, D. I.; Yakushev, M. V.; Beattie, N. S.; Zoppi, G.; Moynihan, M.; Forbes, I.; Karotki, A. V.; Mudryi, A. V.; Grossberg, Maarja; **Krustok, Jüri**; Martin, R. W. Applied physics letters 2011 / p. 062104 [3 p.] : ill

Optical properties of multinary semiconductor compounds for photovoltaic applications = Päikesepatareides kasutatavate mitmikpooljuhtühendite optilised omadused

Grossberg, Maarja 2010 <https://digi.lib.ttu.ee/ii/?512> https://www.ester.ee/record=b2637396*est

Optical spectroscopy studies of Cu₂ZnSnSe₄ thin films

Yakushev, M. V.; Forbes, I.; Mudryi, A. V.; Grossberg, Maarja; **Krustok, Jüri**; Beattie, N. S.; Moynihan, M.; Rockett, A.; Martin, R. W. Thin solid films 2015 / p. 154-157 : ill <https://doi.org/10.1016/j.tsf.2014.09.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Optical study of valence band splitting and resonant acceptor states in Cu₂GeS₃ microcrystals

Krustok, Jüri; Kaupmees, Reelika; Kokla, Joel; Kauk-Kuusik, Marit Applied physics letters 2024 / art. 242111 <https://doi.org/10.1063/5.0245139>

Orgaanilise optoelektronika pealetung

Krustok, Jüri Horisont 2000 / 5, lk. 10-11 https://artiklid.elnet.ee/record=b1005159*est

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](#)

Origin of the deep center photoluminescence in CuGaSe₂ and CuInS₂ crystals

Krustok, Jüri; Schön, J.H.; Collan, Heikki; Yakushev, M.; Mäddasson, Jaan; Bucher, E. Journal of applied physics 1999 / 1, p. 364-

Photoluminescence and AFM study of WS₂ monolayers

Kaupmees, Reelika; Madauß, Lukas; Pollmann, Erik; **Grossberg, Maarja**; **Krustok, Jüri** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 41 <http://fmdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Photoluminescence and photoluminescence excitation study of CuGaTe₂

Krustok, Jüri; Collan, Heikki; Hjelt, Kari; Yakushev, M.; Hill, A.E.; Tomlinson, R.D.; Mändar, H.; Neumann, H. Journal of applied physics 1998 / 12, p. 7867-7872: ill

Photoluminescence and photoluminescence excitation study of CuGaTe₂

Hjelt, Kari; **Krustok, Jüri**; Yakushev, M.; Collan, Heikki; Hill, A.E.; Tomlinson, R.D. Book of abstracts of the 11th International Conference on Ternary & Multinary Compounds, 8-12 September 1997, Salford, England 1997 / p. 1.106

Photoluminescence and Raman spectra of the ordered vacancy compound CuGa₅Se₈

Grossberg, Maarja; **Krustok, Jüri**; Bodnar, Ivan; Siebentritt, Susanne; Albert, Jürgen Physica B 2008 / 1, p. 184-189 : ill

Photoluminescence and Raman spectroscopy of polycrystalline AgInTe₂

Jagomägi, Andri; **Krustok, Jüri**; **Raudoja, Jaan**; **Grossberg, Maarja**; **Oja, Ilona**; **Krunks, Malle**; **Danilson, Mati** Thin solid films 2005 / p. 246-249 : ill

Photoluminescence and Raman spectroscopy of polycrystalline AgInTe₂

Jagomägi, Andri; **Krustok, Jüri**; **Raudoja, Jaan**; **Grossberg, Maarja**; **Oja, Ilona**; **Krunks, Malle**; **Danilson, Mati** Thin solid films 2005 / p. 246-249 : ill

Photoluminescence and Raman study of Cu₂ZnSn(SexS_{1-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 and tetragonal distortion in CuInSe₂

Krustok, Jüri; **Raudoja, Jaan**; Collan, Heikki Abstracts E-MRS-IUMRS 2000 / p. N-22

Photoluminescence and tetragonal distortion in CuInSe₂

Yakushev, M. A.; Martin, R. W.; **Krustok, Jüri** Abstracts E-MRS-IUMRS 2000 / p. N-23

Photoluminescence and the tetragonal disortion in CuInS₂

Krustok, Jüri; **Raudoja, Jaan**; Collan, Heikki Thin solid films 2001 / p. 195-197

Photoluminescence from deep acceptor - deep donor complexes in CdTe

Krustok, Jüri; Collan, Heikki; Hjelt, Kari; **Mädasson, Jaan**; **Valdna, Vello** Journal of luminescence 1997 / p. 103-105: ill

Photoluminescence from deep acceptor - deep donor complexes in CdTe

Krustok, Jüri; Collan, Heikki; Hjelt, Kari; **Mädasson, Jaan**; **Valdna, Vello** ICL'96, Prague : International Conference on Luminescence and Optical Spectroscopy of Condensed Matter, Prague, Czech Republic, 18-23 August 1996 1996 / p. 1-17

Photoluminescence of AgInSe₂

Hjelt, Kari; **Krustok, Jüri**; Yakushev, M.; Collan, Heikki; Hill, A.E.; Tomlinson, R.D. Book of abstracts of the 11th International Conference on Ternary & Multinary Compounds, 8-12 September 1997, Salford, England 1997 / p. 1.107

Photoluminescence of chalcopyrite tellurides = Kalkopüriitsete telluriidide fotoluminestsents

Jagomägi, Andri 2006 https://www.ester.ee/record=b2209329*est

Photoluminescence of deep defect pairs in chalcopyrite ternaries

Krustok, Jüri; **Raudoja, Jaan**; Schön, J.H.; Yakushev, M.; Collan, Heikki Proceedings of the 16th European Photovoltaic Solar Energy Conference. 1 2001 / p. 887-890 <https://tiedejatutkimus.fi/fi/results/publication/0353121300>

Photoluminescence of Sc-annealed CuInSe₂ powders

Krustok, Jüri; **Mädasson, Jaan**; Hjelt, Kari Journal of physics and chemistry of solids 1993

Photoluminescence of Se-annealed CuInSe₂ powders

Hjelt, Kari; Collan, Heikki; **Krustok, Jüri**; **Mädasson, Jaan** Annual report of Optoelectronic Laboratory 1994 / p. 33-35

Photoluminescence of Se-annealed CuInSe₂ powders

Krustok, Jüri; **Mädasson, Jaan**; Hjelt, Kari Journal of materials science letters 1994 / 13, p. 1570-1572

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 of Zn(SeTe) annealed phosphors

Valdna, Vello; Krustok, Jüri; Mellikov, Enn; Mere, Arvo Abstracts of 17th Nordic Semiconductor Meeting, June 17-20, 1996, Trondheim, Norway 1996 / p. 70

Photoluminescence properties of Ge-implanted CuGaSe₂ crystals

Krustok, Jüri; Raudoja, Jaan; Schön, J.H. Physica status solidi (a) 2000 / p. 805-809 : ill

Photoluminescence properties of polycrystalline AgGaTe₂

Krustok, Jüri; Jagomägi, Andri; Grossberg, Maarja; Raudoja, Jaan; Danilson, Mati Solar energy materials and solar cells 2006 / 13, p. 1973-1982 : ill https://www.researchgate.net/publication/240431559_Photoluminescence_properties_of_polycrystalline_AgGaTe_2

Photoluminescence properties of stoichiometric CuInSe₂ crystals

Krustok, Jüri; Jagomägi, Andri; Raudoja, Jaan; Altosaar, Mare Solar energy materials and solar cells 2003 / p. 401-408 : ill

Photoluminescence properties of Z-bands in CdTe

Krustok, Jüri; Mädasson, Jaan; Hiie, Jaan Physica status solidi (a) 1998 / p. 517-525: ill

Photoluminescence study of B-trion in CVD grown MoS₂ monolayers [Online resource]

Kaupmees, Reelika; Krustok, Jüri 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://fntdk.ut.ee/teesid-2018/>

Photoluminescence study of B-trions in MoS₂ monolayers with high density of defects

Kaupmees, Reelika; Komsa, Hannu-Pekka; **Krustok, Jüri** Physica status solidi (b) 2019 / art. 1800384, 5 p. : ill <https://doi.org/10.1002/pssb.201800384> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A photoluminescence study of CuInSe₂ single crystals ion implanted with 5 keV hydrogen

Yakushev, Michael Vasilievich; **Krustok, Jüri; Grossberg-Kuusik, Maarja;** Volkov, Vladimir A.; Mudryi, Alexander V.; Martin, Robert W. Journal of Physics D: Applied Physics 2016 / art. 105108 <https://doi.org/10.1088/0022-3727/49/10/105108> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 deep levels in CuGaTe₂ crystals

Krustok, Jüri; Raudoja, Jaan; Yakushev, M.; Pilkington, R.D.; Collan, Heikki Journal of applied physics 1999 / 9, p. 5305-5307: ill

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](#)

Photoluminescence study of some solar cell materials

Hjelt, Kari; Collan, Heikki; **Krustok, Jüri; Mädasson, Jaan** XXIX Annual Conference of the Finnish Physical Society : proceedings 1995 / p. 7.33

Photoluminescence study of the 1.1 eV deep emission band in p-type CdTe

Hjelt, Kari; Collan, Heikki; **Krustok, Jüri; Valdna, Vello** Proceedings of the XXX Annual Conference of the Finnish Physical Society : March 21-23, 1996, Espoo, Finland 1996 / 8.29

Photoluminescence of AgInSe₂

Hjelt, Kari; **Krustok, Jüri;** Yakushev, M.; Collan, Heikki; Hill, A.E.; Tomlinson, R.D. Ternary and Multinary Compounds : proceedings of the 11th International Conference on Ternary and Multinary Compounds, ICTMC-11, University of Salford, 8-12 September 1997 1998 / p. 441-444: ill

Photoreflectance and photoluminescence study of antimony selenide crystals

Kondrotas, Rokas; Nedzinskas, Ramunas; **Krustok, Jüri**; **Grossberg-Kuusk, Maarja**; Talaikis, Martynas; Tumėnas, Saulius; Suchodolskis, Arturas; Žaltauskas, Raimundas; Sereika, Raimundas ACS Applied Energy Materials 2022 / p. 14769-14778
<https://doi.org/10.1021/acsam.2c02131> [Journal metrics at Scopus](#) [Article at scopus](#) [Journal metrics at WOS](#) [Article at Scopus](#)

Photoreflectance study of AgGaTe₂ single crystals

Raadik, Taavi; **Krustok, Jüri**; Yakushev, M.V. Physica B : condensed matter 2011 / p. 418-420 : ill

Physical principles of deep-center luminescence

Krustok, Jüri Chair of Semiconductor Materials Technology : activity report, 1988-1993 1994 / p. 15-16

Pime juhused kipub nägijaks

Krustok, Jüri Uus Meedia : Eesti Päevalehe lisa 1997 / 30. okt., lk. 6

Pioneer [10] kulgeb igavikku

Krustok, Jüri Eesti Päevaleht 2000 / 11. märts, lk. 21 : ill

A PL and PLE study of high Cu content Cu₂ZnSnSe₄ films on Mo/Glass and solar cells

Sulimov, Mikhail A.; Yakushev, Michael V.; Forbes, I.; Prieto, J.M.; **Krustok, Jüri**; Edwards, P. R.; Martin, R.W. Physics of the solid state 2019 / p. 908-917 <https://doi.org/10.1134/S1063783419050214> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Poeg kipub isast vanem olema : mõned Universumi alad on liiga vanad

Krustok, Jüri Eesti Päevaleht 1997 / 12. mai, lk. 6: ill

Pooljuhi sinine valgus tõrjub hõõglambi

Krustok, Jüri Eesti Päevaleht 1999 / 7. okt., lk. 11

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](#)

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

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](#)

Production of CuInSe₂ thin films by thermal annealing of electrochemically deposited elemental copper, indium and selenium layers

Altosaar, Mare; **Krustok, Jüri**; Reinecke-Koch, R. Tallinna Tehnikaülikooli Toimetised 1994 / lk. 115-129: ill

Põleva jää müsteerium : [metaanhüdraat looduses]

Krustok, Jüri Horisont 2002 / 2, lk. 13-14 : ill https://artiklid.elnet.ee/record=b1009742*est

Päikeseenergeetika materjalid

Mellikov, Enn; **Altosaar, Mare**; **Bereznev, Sergei**; **Kauk, Marit**; **Krunks, Malle**; **Krustok, Jüri**; **Mere, Arvo**; **Raudoja, Jaan**; **Varema, Tiit**; **Õpik, Andres** Teaduse uued suunad : materjaliteadus : Eesti Teaduste Akadeemia seminari materjalid : 23.10.2003 2004 / lk. 11-21 : ill

Päikeseenergeetikal on tulevikku ka Eestis : [ka TTÜ materjaliteaduse instituudi teadustöödest]

Krustok, Jüri; **Mellikov, Enn** Eesti Loodus 2006 / juuli, lk. 6-11 : ill https://artiklid.elnet.ee/record=b2027442*est

Päikeseenergiast saab üha odavamalt elektrit

Mellikov, Enn; **Krustok, Jüri** Eesti Päevaleht 1996 / 13. märts, lk. 7

Päikesele leiti "kaksikvend"

Krustok, Jüri Eesti Päevaleht 1997 / 12. mai, lk. 6

Päikeseplatteid ja Eestis? : [ka TTÜ materjaliteaduse instituudi uuringutest]

Krustok, Jüri Tallinna Tehnikaülikooli aastaraamat 2005 2006 / lk. 62-66

Päikesepatareid saavad tulevikus igavese elu
Krustok, Jüri Eesti Päevaleht 1999 / 23. sept., lk. 11

Päikesepatareide tulevik
Krustok, Jüri Tehnikamaailm 2012 / 1, lk. 44-46 : ill https://artiklid.elnet.ee/record=b2466680*est

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 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](#)

Quasichemical analysis of defect structure in A₂B₆ materials
Krustok, Jüri Chair of Semiconductor Materials Technology : activity report, 1988-1993 1994 / p. 12-14

Radiative recombination in Cu₂ZnSnSe₄ monograins studied by photoluminescence spectroscopy
Grossberg, Maarja; Krustok, Jüri; Timmo, Kristi; Altosaar, Mare Thin solid films 2009 / 7, p. 2489-2492 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0040609008014053>

Radiative recombination in Cu₂ZnSnSe₄ thin films with Cu deficiency and Zn excess
Yakushev, M. V.; Marquez-Prieto, J.; Forbes, I.; Edwards, P. R.; Zhivulko, V. D.; Mudryi, A. V.; Krustok, Jüri; Martin, R. W. Journal of physics D : applied physics 2015 / p. 1-7 : ill <https://doi.org/10.1088/0022-3727/48/47/475109> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Radiative recombination model for BiSeI microcrystals : unveiling deep defects through photoluminescence
Dolcet Sadurni, Marc; Krustok, Jüri; Timmo, Kristi; Mikli, Valdek; Kondrotas, Rokas; Grossberg-Kuusk, Maarja; Kauk-Kuusik, Marit Journal of Physics Energy 2024 / art. 045004 <https://doi.org/10.1088/2515-7655/ad8377> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Radiative recombination pathways in ordered and disordered CZTSe microcrystals
Mengü, İdil; Krustok, Jüri; Kaupmees, Reelika; Mikli, Valdek; Kauk-Kuusik, Marit; Grossberg-Kuusk, Maarja Materials chemistry and physics 2023 / art. 127685 <https://doi.org/10.1016/j.matchemphys.2023.127685> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Raha saagu tegevteadlane
Krustok, Jüri Eesti Päevaleht 1996 / 9. sept., lk. 6

Reduced recombination through the CZTS/CdS interface engineering in monograin layer solar cells
Kauk-Kuusik, Marit; Timmo, Kristi; Muska, Katri; Pilvet, Maris; Krustok, Jüri; Danilson, Mati; Mikli, Valdek; Josepson, Raavo; Grossberg, Maarja JPhys Energy 2022 / art. 024007 <https://doi.org/10.1088/2515-7655/ac618d> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Rehabiliteeritud Albert Einstein : kas Einsteini üldrelatiivsusteooria oli plagiaat?
Krustok, Jüri Postimees 1998 / lk. 10

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

Research on optoelectronic materials at Tallinn Tehnical University

Mellikov, Enn; Kukk, Peeter-Enn; Krustok, Jüri Eesti teadlaste kongress, 11.-15. augustini 1996. a. Tallinnas : ettekannete kokkuvõtted 1996 / lk. 263 https://www.ester.ee/record=b1052731*est

Room temperature ferromagnetism in Ca and Mg stabilized cubic zirconia bulk samples and their thin films

Chandra Dimri, Mukesh; **Khanduri, Himani**; Kooskora, Helgi; Kodu, Margus; Jaaniso, Raivo; Heinmaa, Ivo; **Mere, Arvo; Krustok, Jüri**; Stern, Raivo 4th WUN International Conference on Spintronics (WUN-SPIN 2012) : 23–25 July 2012, Sydney, Australia 2012 <https://iopscience.iop.org/article/10.1088/0022-3727/45/47/475003>

Room-temperature ferromagnetism in Ca and Mg stabilized cubic zirconia bulk samples and thin films prepared by pulsed laser deposition

Chandra Dimri, Mukesh; **Khanduri, Himani**; Kooskora, Helgi; Kodu, Margus; Jaaniso, Raivo; Heinmaa, Ivo; **Mere, Arvo; Krustok, Jüri; Stern, Raivo** Journal of physics D : applied physics 2012 / p. 475003-1 - 475003-7 : ill <https://iopscience.iop.org/article/10.1088/0022-3727/45/47/475003>

Ruzicka preemia võitis Aleksander Rebane

Krustok, Jüri Eesti Päevaleht 1996 / lk. 6

Sekund muudetakse üha täpsemaks

Krustok, Jüri Eesti Päevaleht 1997 / 21. sept

Sinisest unistusest...

Krustok, Jüri Tehnikamaailm 2012 / lk. 68-71 : ill https://artiklid.elnet.ee/record=b2513391*est

Structural, dielectric, magnetic, and nuclear magnetic resonance studies of multiferroic Y-type hexaferrites

Khanduri, Himani; Chandra Dimri, Mukesh; Kooskora, Helgi; Heinmaa, Ivo; Viola, G.; Ning, H.; Reece, M.J.; **Krustok, Jüri**; Stern, Raivo Journal of applied physics 2012 / p. 073903-1 - 073903-7 : ill <https://pubs.aip.org/aip/jap/article/112/7/073903/368621/Structural-dielectric-magnetic-and-nuclear>

Structural, magnetic and NMR studies of polycrystalline Y-type Hexaferrites

Khanduri, Himani; Chandra, Mukesh; Kooskora, Helgi; Heinmaa, Ivo; **Krustok, Jüri**; Stern, Raivo ECerS XII : the 12th Conference of the European Ceramic Society : Stockholm, Sweden, June 19-23, 2011 2011

Study of (Ag_xCu_{1-x})₂ZnSn(S,Se)₄ monograins synthesized by molten salt method for solar cell applications

Oueslati, Souhaib; Kauk-Kuusik, Marit; Neubauer, Christian; **Mikli, Valdek; Meissner, Dieter**; Brammertz, Guy; Vermang, B.; **Krustok, Jüri; Grossberg, Maarja** Solar energy 2020 / p. 586-595 <https://doi.org/10.1016/j.solener.2020.02.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 kesterite solar cell absorbers by capacitance spectroscopy methods = Kesteriitsete päikesepatareide absorbermaterjalide uurimine mahtuvusspektroskoopiliste meetoditega

Kask, Erkki 2016 https://www.ester.ee/record=b4573390*est

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 Cu₂Zn(Sn_{1-x}Ge_x)Se₄ (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](#)

Study of the edge and exciton emission in CdTe:Cu:Cl powder samples

Krustok, Jüri; Mädasson, Jaan; Hjelt, Kari; Collan, Heikki Journal of materials science letters 1995 / p. 1490-1492: ill

Study of the edge and exciton emission in the CdTe:Cu:Cl powder samples

Hjelt, Kari; Collan, Heikki; **Krustok, Jüri; Mädasson, Jaan** Annual report 1994 / Optoelectronics Laboratory, Helsinki University of Technology 1995 / p. 49

Study of the optical properties of Sb₂(Se_{1-x}S_x)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 of the structure and optoelectronic properties of Cu₂Ge(SexS_{1-x})₃ microcrystalline powders

Li, Xiaofeng; Timmo, Kristi; Grossberg, Maarja; Pilvet, Maris; Kaupmees, Reelika; Krustok, Jüri; Muska, Katri; Mikli, Valdek; Kauk-Kuusik, Marit Thin solid films 2022 / art. 139053, 6 p. : ill <https://doi.org/10.1016/j.tsf.2021.139053> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ta soojeneb siiski!

Krustok, Jüri Eesti Päevaleht 1997 / 24. märts, lk. 6: ill

Tailoring of bound exciton photoluminescence emission in WS₂ monolayers

Kaupmees, Reelika; Grossberg, Maarja; Ney, Marcel; Krustok, Jüri Physica status solidi - rapid research letters 2020 / art. 1900355, 6 p. : ill <https://doi.org/10.1002/pssr.201900355> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Taimed mõtetelugejad?

Krustok, Jüri Tehnikamaailm 2003 / 9, lk. 82-83 https://artiklid.elnet.ee/record=b1043273*est

Tampere vähendati raskusjõudu

Krustok, Jüri Eesti Päevaleht 1996 / 25. nov., lk. 6: ill

Teadlased toodavad vigaseid materjale tahtlikult : [pooljuhtmaterjalidest]

Krustok, Jüri Eesti Päevaleht 1996 / 30. sept., lk. 6

Teaduspreemia tehnikateaduste alal töö "Pooljuhtmaterjalid päikeseenergeetikale ja optoelektronikale" eest

Melikov, Enn; Altosaar, Mare; Krunks, Malle; Krustok, Jüri; Valdna, Vello Eesti Vabariigi teaduspreemiad 1998 1998 / lk. 32-39: fotod

Teekond absoluutse nullini

Krustok, Jüri Horisont 1998 / 6, Horisondi Extra, lk. 9-10: ill

Teeme ise musta augu!

Krustok, Jüri Tehnikamaailm 2005 / 11, lk. 68-71 : ill https://artiklid.elnet.ee/record=b1051718*est

Tehnikateaduste valdkonna aastapreemia tööde tsükli "Uute 2D- ja 3D-mitnikpooljuhtide optiline spektroskoopia" eest.

Uute 2D- ja 3D-mitnikpooljuhtide optiline spektroskoopia

Grossberg, Maarja; Krustok, Jüri Eesti Vabariigi preemiad 2021 : teadus. F. J. Wiedemanni keeleauhind. Sport. Kultuur. Haridus 2021 / lk. 94-110 : fot., ill https://www.ester.ee/record=b1226072*est

Teleport ohustab kaugtransporti

Krustok, Jüri Eesti Päevaleht 1997 / 31. märts, lk. 6: ill

Temperature dependence of Cu₂ZnSn(SexS_{1-x})₄ monograin solar cells

Krustok, Jüri; Josepson, Raavo; Danilson, Mati; Meissner, Dieter Solar energy 2010 / 3, p. 379-383 : ill http://www.quantisol.org/pub/pub10_08.pdf

Temperature dependence of very deep emission from an exciton bound to an isoelectronic defect in polycrystalline CuInS₂

Krustok, Jüri; Raudoja, Jaan; Jaaniso, Raivo Applied physics letters 2006 / 5, p. 051905 ([3] p.) : ill https://staff.ttu.ee/~juri.krustok/PDF-s/Krustok_%20Raudoja_%20Jaaniso_APL.pdf

Temperature dependent current transport properties in Cu₂ZnSnS₄ solar cells

Danilson, Mati; Kask, Erkki; Pokharel, Nikhil; Grossberg, Maarja; Kauk-Kuusik, Marit; Varema, Tiit; Krustok, Jüri Thin solid films 2015 / p. 162-165 : ill <https://doi.org/10.1016/j.tsf.2014.10.069> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Temperature dependent electrical characterization of thin film Cu₂ZnSnSe₄ solar cells

Kask, Erkki; Krustok, Jüri; Giraldo, Sergio; Neuschitzer, Markus; Lopez-Marino, Simon; Saucedo, E.M. Journal of Physics D: Applied Physics 2016 / art. 085101 <https://doi.org/10.1088/0022-3727/49/8/085101> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Temperature dependent electrical properties of kesterite monograin layer solar cells = Kesteriitsete monoterakihiliste päikeseplatadeide elektriliste omaduste temperatuursõltuvused

Danilson, Mati 2016 <https://digi.lib.ttu.ee/i/?5113> https://www.ester.ee/record=b4565639*est

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 Cu₂ZnSnSe₄ 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 photorefectance 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 photorefectance of SnS crystals

Raadik, Taavi; Grossberg, Maarja; Raudoja, Jaan; Traksmäa, 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](#)

Temperature-resolved photoluminescence studies of CuInSe₂

Krustok, Jüri; Mäddasson, Jaan; Hjelt, Kari; Collan, Heikki Solid state communications 1995 / 10, p. 889-892

Terahertz spectroscopy of low-dimensional spin systems = Madalamõõduliste spinnsüsteemide terahertsspektroskoopia Huvonen, Dan 2008 https://www.ester.ee/record=b2375139*est

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 elevated temperatures on excitonic emission and degradation processes of WS₂ monolayers

Kaupmees, Reelika; Walke, Peter; Madauß, Lukas; Maas, Andre; Pollmann, Erik; Schleberger, Marika; **Grossberg, Maarja; Krustok, Jüri** Physical chemistry chemical physics 2020 / p. 22609-22616 <https://doi.org/10.1039/D0CP03248D> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The electrical and optical properties of kesterites

Grossberg, Maarja; Krustok, Jüri; Hages, Charles J.; Bishop, Douglas M. Journal of Physics Energy 2019 / art. 044002, 16 p. : ill <https://doi.org/10.1088/2515-7655/ab29a0>

The nature of recombination centres in silver and chlorine doped CdS phosphors

Krustok, Jüri; Mäddasson, Jaan; Altosaar, Mare; Kuk, Peeter-Enn Journal of physics and chemistry of solids 1990 / 9, p. 1013

The role of deep donor-deep acceptor complexes in CIS-related compounds

Krustok, Jüri; Raudoja, Jaan; Schön, J.H.; Yakushev, M.; Collan, Heikki Thin solid films 2000 / p. 406-410 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0040609099007567>

The role of deep donor-deep acceptor complexes in CIS-related compounds

Krustok, Jüri; Raudoja, Jaan; Schön, J.H.; Yakushev, M.; Collan, Heikki E-MRS Spring Meeting : Strasbourg, 1999 : abstracts 1999 / p. O <https://deepzone4.ttu.ee/~juri.krustok/PDF-s/TSF-406.pdf>

The role of spatial potential fluctuations in the shape of the PL bands of multinary semiconductor compounds

Krustok, Jüri; Collan, Heikki; Yakushev, M.; Hjelt, Kari 18th Nordic Semiconductor Meeting, Linköping, June 7-10, 1998 : abstracts 1998 / p. F-84 <https://ui.adsabs.harvard.edu/abs/1999PhST...79..179K/abstract>

The role of spatial potential fluctuations in the shape of the PL bands of multinary semiconductor compounds

Krustok, Jüri; Collan, Heikki; Yakushev, M.; Hjelt, Kari Physica scripta 1999 / Proceedings of 18th Nordic Semiconductor Meeting, Linköping, Sweden, June 7-10, 1998, ISBN 91-87308-71-1, p. 179-182: ill <https://deepzone4.ttu.ee/~juri.krustok/PDF-s/PHYSSCR.PDF>

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>

The structure of recombination centres in A2B6 compounds

Erm, Ants; Kukk, Peeter-Enn; Krustok, Jüri; Mädasson, Jaan; Altosaar, Mare Seventh EC Photovoltaic Solar Energy Conference : proceedings of the international conference, held at Sevilla, Spain, 27 - 31 October 1986 1987 / p. 24-25
https://www.ester.ee/record=b2527611*est

Transistoril on juubel

Krustok, Jüri Postimees 1997 / 14. dets., lk. 13

Tulevik kuulub footonkristallidele

Krustok, Jüri Horisont 2000 / 2, lk. 12-13 https://artiklid.elnet.ee/record=b1003631*est

Tunguusi plahvatus vallandas vaidluse

Krustok, Jüri Eesti Päevaleht 1997 / 14. apr., lk. 6

Tunneling-enhanced interface recombination and current loss curves in kesterite solar cells

Krustok, Jüri; Timmo, Kristi; Kauk-Kuusik, Marit; Grossberg-Kuusk, Maarja Applied physics letters 2023 / art. 242102
<https://doi.org/10.1063/5.0175082> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Turvalisust tagav liit

Krustok, Jüri Tehnikamaailm 2003 / 11, lk. 86-88 https://artiklid.elnet.ee/record=b1043973*est

Tõrksa taltsutamine : kas kõiki Tallinna raadiojaamu saaks edastada ühel sagedusel? Uudne tehnoloogia võib fantaasia teoks teha

Krustok, Jüri Luup 1998 / 20, lk. 43

Universum paisub siiski

Krustok, Jüri Eesti Päevaleht 1998 / 11. märts, lk. 8

Unusual defect-related room-temperature emission from WS2 monolayers synthesized through a potassium-based precursor

Walke, Peter R.; Kaupmees, Reelika; Grossberg-Kuusk, Maarja; Krustok, Jüri ACS omega 2023 / p. 37958-37970
<https://doi.org/10.1021/acsomega.3c03476> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uue aastatuhande energia

Krustok, Jüri Horisont 1999 / 4, Horisondi Extra, lk. 8-9: ill https://artiklid.elnet.ee/record=b1001335*est

Uued tuuled digitaalses fotograafias

Krustok, Jüri Tehnikamaailm 2003 / 10, lk. 50-51 https://artiklid.elnet.ee/record=b1043659*est

Uus tehnoloogia aitab näha nurga taha

Krustok, Jüri Eesti Päevaleht 1998 / 26. veebr., Uus Meedia, lk. 6

Uus väljakutse matemaatikutele

Krustok, Jüri Postimees 1997 / 30. nov., lk. 13

Uut tüüpi transistor toob murrangu mobiilsidesse

Krustok, Jüri Päevaleht 1998 / 17. dets., Uus Meedia, lk. 6

Vaakum pole absoluutselt tühi ruum

Krustok, Jüri Eesti Päevaleht 1997 / 17. veebr., lk. 6

Vabatahtlikud ründavad Windowsi : tarkvara vaba leviku idee pole hävinud

Krustok, Jüri Eesti Päevaleht 1999 / 14. jaan., Uus Meedia, lk. 6

Valgus liigub teosammul

Krustok, Jüri Eesti Päevaleht 1999 / 11. märts, lk. 11 https://artiklid.elnet.ee/record=b1684314*est

Valgus muudeti lõpuks aineks

Krustok, Jüri Eesti Päevaleht 1997 / 28. sept., lk. 6 <https://dea.digar.ee/article/eestipaevaleht/1997/09/28/13.2>

Valgustkiirgav räni

Krustok, Jüri Horisont 2001 / 1, lk. 12

Virmaliste vägi tuleb ilmaruumist

Krustok, Jüri Loodus 1997 / dets., lk. 16-17: ill

Võidu jaoks elemendile

Krustok, Jüri Eesti Päevaleht 1997 / 12. nov., lk. 10

Õhukesed telerid reaalsuseks

Krustok, Jüri Postimees 1998 / 11. jaan., lk. 11

Õnägemiseadmed jõuavad autodesse

Krustok, Jüri Eesti Päevaleht 1999 / 22. apr., Uus Meedia, lk. 12: ill

Üksinduse Universum : [maavälise mõistusega elu otsingud]

Krustok, Jüri Loodus 1999 / märts, lk. 10-11: ill

11 küsimust teadusele

Krustok, Jüri Tehnikamaailm 2003 / 5, lk. 70-73 https://artiklid.elnet.ee/record=b1042297*est

Üllatuslikud mullid

Krustok, Jüri Tehnikamaailm 2004 / 7, lk. 70-71 : ill https://artiklid.elnet.ee/record=b1046378*est

XPS study of CZTSSe monograin powders

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

XXI sajandi mälu kiip talletab tohutult infot

Krustok, Jüri Eesti Päevaleht 1999 / 9. sept., lk. 11

Влияние дефектной структуры на процессы температурного тушения рекомбинационной люминесценции в широкоземных полупроводниках

Krustok, Jüri; Lõo, Anu; Piibe, Toomas Химия и физика твердого тела : тезисы докладов 16-й Межвузовской конференции молодых ученых, Ленинград, 15-17 марта 1989 г. 1989 / с. 3-4 https://www.ester.ee/record=b2924562*est

Влияние донорной примеси на характеристики электрон-фононного взаимодействия к-центров в сульфиде кадмия

Krustok, Jüri; Lõo, A.; Piibe, Toomas Tallinna Tehnikaülikooli Toimetised 1990 / lk. 23-29: ill

Влияние химических условий приготовления на люминесцентные свойства CdS : Ag

Mädasson, Jaan; Krustok, Jüri VI Республиканская конференция молодых ученых-химиков : тезисы докладов 1985 / с. 247 https://www.ester.ee/record=b1232928*est

Дефектный состав порошкового сульфида кадмия с примесью серебра и хлора

Mädasson, Jaan; Krustok, Jüri; Altosaar, Mare Дефекты структуры и свойства керамики : четвертое Всесоюзное совещание по химии твердого тела, 11-13 июня 1985 г. : тезисы докладов 1985 / с. 132

Дефектообразование в халькогенидах цинка и кадмия

Altosaar, Mare; Krustok, Jüri; Kukk, Peeter-Enn; Mädasson, Jaan; Tomson, A.; Erm, Ants Термодинамика и материаловедение полупроводников : четвертая всесоюзная конференция, 1989 г. : тезисы докладов 1989 / с. 247

Концентрационная зависимость отдельных подполос спектров фотолюминесценции ZnS : Cu : Cl

Krustok, Jüri; Mädasson, Jaan Физическая химия соединений АИВ VI 1984 / с. 11-16 : ил https://www.ester.ee/record=b1314940*est
<https://digikogu.taltech.ee/et/Item/b5a40c2b-483d-4f6f-a3dd-9b72e498c226>

Концентрационная зависимость температурного тушения рекомбинационной люминесценции в CdS:Ag:Cl

Krustok, Jüri; Лью А.Э.; Piibe, Toomas Журнал прикладной спектроскопии (Минск) 1991 / 4, с. 611-614

Концентрационное уширение полос краевого излучения сульфида кадмия

Krustok, Jüri; Piibe, Toomas Электрофизические свойства полупроводниковых и диэлектрических материалов 1988 / с. 22-28

Люминесцентные методы анализа оптоэлектронных материалов

Kukk, Peeter-Enn; Krustok, Jüri; Mädasson, Jaan; Lõo, Anu Труды Координационного совещания социалистических стран по физическим проблемам оптоэлектроники ("Оптоэлектроника-89"), 16-20 октября 1989 г. 1989 / с. 43

Люминесцентный анализ дефектной структуры легированного сульфида кадмия

Krustok, Jüri; Kukk, Peeter-Enn; Mädasson, Jaan Материалы «IX Международного совещания по фотоэлектрическим и

Новые методы люминесцентного анализа дефектной структуры кристаллов

Krustok, Jüri; Kuk, Peeter-Enn V всесоюзная школа "Физико-химические основы электронного материаловедения", 5-13 сент. 1988 г., Иркутск : тезисы докладов 1988 / с. 101-102

О природе 0,8 эВ полосы фотолюминесценции в легированном теллуриде кадмия

Krustok, Jüri; Lõo, Anu; Piibe, Toomas Физика и техника полупроводников 1990 / 10, с. 1888-1891: рис

Особенности температурного поведения полосы 0,81 эВ фотолюминесценции теллурида кадмия

Krustok, Jüri; Piibe, Toomas; Лыо А.Э. Физика и техника полупроводников 1991 / 7, с. 1257-1259: ил

Отжиг центров свечения в сульфиде кадмия, легированного акцепторами I-ой группы

Erm, Ants; Krustok, Jüri; Mädasson, Jaan VI Республиканская конференция молодых ученых-химиков : тезисы докладов 1985 / с. 231 https://www.ester.ee/record=b1232928*est

Полупроводниковые материалы

Rusalep, Ervin; Kuk, Peeter-Enn; Krustok, Jüri; Mädasson, Jaan; Altosaar, Mare; Ruus, Tõnu; Aarna, Heiti; Mankin, Romi; Reiter, Eerik; Krunks, Malle; Mellikov, Enn; Seilenthal, Mats; Vallaste, Heikki; Tuvike, Tiit; Palmre, Õie; Bender, Villem; Veimer, Vladimir; Mere, Arvo; Roninson, Aleksander; Silas, Aarne; Gavrilo, Aleksei; Paat, Aadu; Meiler, Boriss 1986 https://www.ester.ee/record=b1296001*est

Полупроводниковые материалы

Reiter, Eerik; Meiler, Boriss; Krustok, Jüri; Piibe, Toomas; Mädasson, Jaan; Altosaar, Mare; Tomson, A.; Kuk, Peeter-Enn; Tuvike, Tiit; Palmre, Õie; Vallaste, Heikki; Päid, Imbi; Kuusmets, Eela; Petrov, P.; Mellikov, Enn; Erm, Ants; Krunks, Malle; Gavrilo, Aleksei; Košela, Andrei; Bender, Vladimir; Mere, Arvo; Veimer, Vladimir; Kurik, Lembit; Sinivee, Veljo 1988 https://www.ester.ee/record=b1220756*est

Природа красной полосы люминесценции в CdS : Ag : Cl

Krustok, Jüri; Mädasson, Jaan; Altosaar, Mare Электрофизические свойства полупроводниковых и диэлектрических материалов 1986 / с. 23-30

Расчет квазихимических коэффициентов точечных дефектов в твердых телах

Kuk, Peeter-Enn; Mädasson, Jaan; Tuvike, Tiit; Krustok, Jüri; Tomson, A. Дефекты структуры и свойства керамики : четвертое Всесоюзное совещание по химии твердого тела, 11-13 июня 1985 г. : тезисы докладов. Ч.2 1985 / с. 14

Структура точечных дефектов в примесном сульфиде цинка

Kuk, Peeter-Enn; Krustok, Jüri; Erm, Ants; Mädasson, Jaan; Moin, M. Журнал неорганической химии 1984 / с. 46-50 : илл https://www.ester.ee/record=b1443384*est

Фотолюминесценция порошков ZnS, легированных медью и хлором

Krustok, Jüri; Mädasson, Jaan 5-я республиканская конференция молодых ученых-химиков : [тезисы докладов] 1983 / с. 238 : табл https://www.ester.ee/record=b1312297*est

Фотолюминесценция сульфида кадмия, легированного серебром и хлором

Krustok, Jüri; Mädasson, Jaan; Altosaar, Mare; Kuk, Peeter-Enn V всесоюзное совещание "Синтез, свойства, исследования, технология и применение люминофоров", Ставрополь, 16-18 окт. 1985 г. : тезисы докладов. Ч. 1. 1985 / с. 20-21

Центры рекомбинации в легированном серебром и хлором сульфиде кадмия

Krustok, Jüri; Mädasson, Jaan; Altosaar, Mare; Tomson, A.; Kuk, Peeter-Enn Электрофизические свойства полупроводниковых и диэлектрических материалов 1988 / с. 29-36

Центры рекомбинации в сульфидах цинка и кадмия : автореферат ... кандидата физико-математических наук (01.04.07)

Krustok, Jüri 1987 http://www.ester.ee/record=b1241095*est

Центры свечения в халькогенидах цинка и кадмия

Kuk, Peeter-Enn; Krustok, Jüri; Mädasson, Jaan; Tomson, A.; Altosaar, Mare; Erm, Ants Всесоюзное совещание "Синтез, свойства, исследования, технология и применение люминофоров" (Ставрополь, 16-18 окт. 1985 г.) : тезисы докладов 1985 / с. 27-28