

A theoretically accurate mobility model for drift-diffusion power device simulation

Velmre, Enn; Udal, Andres; Kocsis, T.; Masszi, F. 16th Nordic Semiconductor Meeting, Laugarvatn, Iceland, June 12-15, 1994 : abstracts 1994 / p. 92

A theoretically accurate mobility model for semiconductor device drift-diffusion simulation

Velmre, Enn; Udal, Andres; Kocsis, T.; Masszi, F. Physica scripta 1994 / p. 263-267

Ab initio study of GaN properties using VASP software package

Klopov, Mihhail; Kuusk, Ahto; Velmre, Enn; Udal, Andres BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 55-58 : ill

Ambient temperature influence on current suppressing effect caused by self-heating phenomenon at 6H-SiC Schottky interfaces

Kurel, Raido; Rang, Toomas BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 253-254: ill

Ambipolar diffusion in a three-carrier semiconductor plasma

Velmre, Enn; Masszi, F. Program of 17th Nordic Semiconductor Meeting, Trondheim, Norway, June 17-20, 1996 1996 / p. 36

Analysis of peak current for current crowding effect in 4H- and 6H-SiC Schottky structures

Kurel, Raido; Rang, Toomas The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 235-236 : ill

Anorgaanilised pooljuhtühendid ja elektrit juhtivad polümeerid - üheskoos ja eraldi uute väljundite otsingul

Õpik, Andres Teadusmõtte Eestis : täppisteatud : [artiklikogumik] 2006 / lk. 207-216 : ill https://www.ester.ee/record=b2230239*est

Atomic structure and dynamics of unusual and wide-gap phase-change chalcogenides : a GeTe₂ case

Usuki, Takeshi; Benmore, Chris J.; Tverjanovich, Andrey; **Bereznev, Sergei**; Khomenko, Maxim; Sokolov, Anton; Fontanari, Daniele; Ohara, Koji; Bokova, Maria; Kassem, Mohammad; Bychkov, Eugene Physica status solidi - rapid research letters 2024 / art. 2300482 <https://doi.org/10.1002/pssr.202300482> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Band positions and electrochemistry of CdSe(x)Te(1-x) semiconductor electrodes

Wirts, Christian; **Altosaar, Mare; Krunks, Malle; Varema, Tiit; Mellikov, Enn**; Meissner, Dieter Abstracts of the First Gerischer Symposium on Semiconductor Electrochemistry, 1999 1999 / p. 8

The band structure of CuInTe₂ studied by optical reflectivity

Yakushev, Michael V.; Mudrov, Andrej; **Kärber, Erki** Applied physics letters 2019 / art. 062103, 4 p. : ill <https://doi.org/10.1063/1.5079971> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A brief survey of excitation concentration models for Si

Velmre, Enn; Udal, Andres The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 19-22 : ill

Chemical treatment of tetrahedrite Cu₁₀Cd₂Sb₄S₁₃ monograin powder

Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 24 <http://fmdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

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://fmdk.ut.ee/teesid-2019/>

CMOS SP chip for resistor type semiconductor gas sensors

Kasemaa, Argo; Rang, Toomas The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 255-256 : ill

Comparative study of isothermal grain growth of CdS and CdTe in the presence of halide fluxes

Hiie, Jaan; Altosaar, Mare; Mellikov, Enn Solid state phenomena 1999 / Polycrystalline Semiconductors V : Bulk Materials, Thin Films and Devices : Proceedings of the Fifth International Conference, held in Schwäbisch Gmünd, Germany, September 13-18, 1998, p. 303-308

Compositionally tunable structure and optical properties of Cu_{1.85}(Cd_xZn_{1-x})_{1.1}SnS_{4.1} (0 ≤ x ≤ 1) monograin powders

Pilvet, Maris; Kauk-Kuusik, Marit; Altosaar, Mare; Grossberg, Maarja; Danilson, Mati; Timmo, Kristi; Mere, Arvo; Mikli, Valdek Thin solid films 2015 / p. 180-183 : ill <https://doi.org/10.1016/j.tsf.2014.10.091> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

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

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

Deep defect related photoluminescence in heavily doped GaGaTe₂

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>

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

A DLTS study of 4H-SiC-based p-n junctions fabricated by boron implantation

Ivanov, Pavel; Potapov, Alexander; Samsonova, Tatyana; **Korolkov, Oleg; Sleptšuk, Natalja** Semiconductors 2011 / p. 1306-1310 : ill <https://doi.org/10.1134/S1063782611100101>

Durability performance of semiconductor strain gauges in GFRP laminate

Herranen, Henrik; Saar, Tõnis; Gordon, Rauno; Pohlak, Meelis; Lend, Henri Proceedings of the 6th ECCOMAS Thematic Conference on Smart Structures and Materials, SMART 2013 : Turin, Italy, June 24-26, 2013 2013 / p. 1-14 : ill

Editorial

Min, Mart Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 3-2, p. 243

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](#)

Elements of noise modeling in bipolar semiconductor devices

Blum, Alfons BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 1 1994 / p. 11-27

Energeetika : pooljuhid - otsapidi uueneva energiatehnika küljes

Lehtla, Tõnu Horisont 2012 / lk. 34-39 : ill https://artiklid.elnet.ee/record=b2467567*est

Experimental analysis of the dynamic performance of Si, GaAs and SiC diodes

Blinov, Andrei; Vinnikov, Dmitri; Rang, Toomas BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 49-52 : ill

Fatigue performance of semiconductor strain gauges in GFRP laminate

Herranen, Henrik; Saar, Tõnis; Gordon, Rauno; Pohlak, Meelis; Lend, Henri Advances in applied materials and electronics engineering III 2014 / p. 244-248 <https://doi.org/10.4028/www.scientific.net/AMR.905.244> [Article at Scopus](#)

Fault-tolerant bidirectional series resonant DC-DC converter with minimum number of components

Vinnikov, Dmitri; Chub, Andrii; Korkh, Oleksandr; Malinowski, Mariusz 2019 IEEE Energy Conversion Congress and Exposition, ECCE, 2019-09-29 - 2019-10-03, Baltimore, MD, USA 2019 / p. 1359-1363 <https://doi.org/10.1109/ECCE.2019.8912292>

Füsiukeemiliste protsesside uurimine pooljuhtides ja pooljuhtmaterjalides ning -seadiste väljatöötamine Tallinna Polütehnilises Instituudis

Varvas, Jüri Tehnikauuringute areng Eesti NSV-s : vabariikliku konverentsi ettekannete teesid Tallinn, 15.-16. oktoober 1986 1986 / lk. 99-102 https://www.ester.ee/record=b1258828*est

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

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

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

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

Guest editorial

Min, Mart Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 3, p. 155-156

High-efficiency 312-kVA three-phase inverter using parallel connection of silicon carbide MOSFET power modules

Colmenares, Juan; Pefitsis, Dimosthenis; **Rabkowski, Jacek** IEEE transactions on industry applications 2015 / p. 4664-4676 : ill

<http://dx.doi.org/10.1109/TIA.2015.2456422>

Hot spots caused by contact inhomogeneities in 4H- and 6H-SiC Schottky structures

Kurel, Raido; Rang, Toomas Advanced Computational Methods in Heat Transfer VI 2000 / p. 437-444
<https://www.witpress.com/elibRARY/wit-transactions-on-engineering-sciences/27/4468>

Implementation possibilities of hybrid IGBT-IGCT switches in three-level NPC inverters

Blinov, Andrei; Vinnikov, Dmitri; Ivakhno, Volodymyr; Zamaruev, Vladimir COMPEL : the international journal for computation and mathematics in electrical and electronic engineering 2012 / p. 1917-1930 : ill <https://www.semanticscholar.org/paper/Implementation-possibilities-of-hybrid-IGBT%E2%80%90IGCT-in-Blinov-Vinnikov/c57ac29d7993543a1dcb4370fe7bf7a1fe44597c>

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

Kukk, 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; Kukk, Peeter-Enn; Lõo, A.; Mädasson, Jaan; Tomson, A. Journal of materials and product. technology 1991

Intermediate layer in the metal-silicon carbide contact : investigation of the intermediate layer in the metal-silicon carbide contact obtained by diffusion weldin

Sleptšuk, Natalja 2012 <https://www.amazon.com/Intermediate-Layer-Metal-Silicon-Carbide-Contact/dp/3848422239>

Investigation of the intermediate layer in the metal-silicon carbide contact obtained by diffusion welding = Difusioonkeevitusega valmistatud metalli ja ränikarbiidi vahelise üleminekuala vahekihi uurimine

Sleptšuk, Natalja 2011 https://www.ester.ee/record=b2692547*est

Inx(OH)ySz as recombination barrier in TiO2/inorganic absorber heterojunctions

Wienke, J.; Krunks, Malle; Lenzmann, F. Semiconductor science and technology 2003 / p. 876-880 : ill <https://iopscience.iop.org/article/10.1088/0268-1242/18/9/311>

Issues with application of CBD CdS in CdS/i-ZnO/ZnO:Al window layer

Maticiu, Natalia; Potlog, Tamara; Hiie, Jaan 17th International Conference on II-VI Compounds and Related Materials : Paris, 13-18 September 2015 : conference book 2015 / p. 372 : ill http://ii-vi-2015.sciencesconf.org/conference/ii-vi-2015/pages/ConferenceBook_II-VI2015_web_1.pdf

Jaan Raik: kiibidisain aitaks saada Eestil jõukaks tehnoloogiamaa

Maidla, Margus novaator.err.ee 2023

Kinking in semiconductor nanowires : a review

Vlassov, Sergei; Oras, Sven; Polyakov, Boris; Butanovs, Edgars; Kyritsakis, Andreas; Zadin, Veronika Crystal growth & design 2022 / p. 871-892 <https://doi.org/10.1021/acs.cgd.1c00802> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Light written self-quenching or eraseable conductive patterns in semiconductors : a review

Kruusing, Arvi; Mellikov, Enn ADOM-2 : 2nd International Conference "Advanced Optical Materials and Devices" : abstracts 2000 / p. 47

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](#)

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](#)

Mikk Raud: Eestil on aeg oma kiibipotentsiaal ellu äratada

Arjakas, Merili diplomaatia.ee 2023

A model of grain boundary scattering in polycrystalline doped semiconductors

Makletsov, A.; Rimshans, J. BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 2 1994 / p. 529-531 : ill https://www.ester.ee/record=b2150914*est

Modelling of charge carrier non-isothermal transport in silicon and silicon carbide

Velme, Enn; Udal, Andres Proceedings of the Estonian Academy of Sciences. Engineering 2000 / 2, p. 144-154 : ill https://artiklid.elnet.ee/record=b1004044*est

Modelling of metal alloy contacts to semiconductor substrate

Rang, Toomas Simulation and design of microsystems and microstructures 1995 / p. 251-258: ill
<https://www.witpress.com/Secure/elibrary/papers/MIC95/MIC95030FU.pdf>

Monoterilised pooljuhtpulbrid päikeseenergeetikale = Monograin semiconductor powders for solar energetics

Hiie, Jaan; Altosaar, Mare; Krunks, Malle; Mellikov, Enn XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 39-40 https://www.ester.ee/record=b1070511*est

A multi-layer Cu:Ga/In sputtered precursor to improve structural properties of CIGS absorber layer

Misra, Prashant; **Mandati, Sreekanth**; Rao, Tata Naransinga; Sarada, Bulusu V. Materials today: proceedings 2021 / p. 2037-2041 : ill <https://doi.org/10.1016/j.matpr.2020.09.545>

Nanoscale and microscale simulations of N-N junction heterostructures of 3C-4H silicon carbide

Rashid, Muhammad Haroon; Koel, Ants; Rang, Toomas; Gähwiler, Reto; Grosberg, Martin; Jõemaa, Rauno Materials and contact characterisation VIII 2017 / p. 235-248 : ill <https://doi.org/10.2495/MC170241> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Non-destructive eddy current measurements for silicon carbide heterostructure analysis

Sahakyan, Armen; Koel, Ants; Rang, Toomas Materials and contact characterisation VIII 2017 / p. 49-60 : ill
<https://doi.org/10.2495/MC170061> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Numerical simulation of electrothermal interactions in semiconductors under electrostatic energy pulse conditions

Freidin, Boris; Velmre, Enn; Udal, Andres Techn. Dig. of International Workshop on Computational Electronics, 1992 May 28-29, Beckman Institute, Univ. of Illinois at Urbana Champaign, USA 1992

1200 V RB-IGBTs under different switching conditions

Korkh, Oleksandr 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 149-150 : ill

Optical and photosensitive properties of lamellar nanocomposites obtained by Cd intercalation of GaTe

Leontie, Liviu; Evtodiev, Igor; **Spalatu, Nicolae** Journal of alloys and compounds 2014 / p. 542-545 : ill

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](#)

Optimization of La_{0.2}Sr_{0.7}-xCa xTi_{0.95}Fe_{0.05}O₃-δ fuel electrode stoichiometry for solid oxide fuel-cell application

Paydar, Sara; Kooser, Kuno; Möller, Priit; **Volobujeva, Olga**; Granroth, Sari; Lust, Enn; Nurk, Gunnar ACS Applied Energy Materials 2022 / p. 10119 - 10129 <https://doi.org/10.1021/acsapm.2c01808> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Photoconductive patterns in semiconductors for electromagnetic field control : a review

Kruusing, Arvi; Mellikov, Enn Proceedings of SPIE 2001 / p. 22-32

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://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

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 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/>

Photoreflectance study of AgGaTe₂ single crystals

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

Polypyrrole electrodeposition on inorganic semiconductors CuInSe₂ and CuInS₂ for photovoltaic applications

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

Polypyrrole electrodeposition on inorganic semiconductors CuInSe₂ and CuInS₂ for photovoltaic applications

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

Polypyrrole electrodeposition on inorganic semiconductors CuInSe₂ and CuInS₂ for photovoltaic applications

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

Pooljuhi sinine valgus tõrjub hõõglambi

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

Pooljuhid ja optoelektronika

Mägi, Vahur Rahva Hääl 1985 https://www.ester.ee/record=b1072826*est

Pooljuhid läbi aegade

Velme, Enn Horisont 1974 / lk. 15-19 : ill.; 7 lk. 26-28 : ill.; 9 lk. 24-27 <https://www.digar.ee/arhiiv/et/periodika/69737>
<https://www.digar.ee/arhiiv/et/periodika/69744> https://www.ester.ee/record=b1072243*est <https://www.digar.ee/arhiiv/et/periodika/69745>

Pooljuhtide tehnoloogia teevit aastaks 2016 : kiipide tehnoloogia, projekteerimise ja testi tulevikuvisioon

Raik, Jaan A & A 2003 / 6, lk. 9-16

Pooljuhtidetööstuse teekond uue aastatuhande algul

Tammemäe, Kalle A & A 1998 / 3, lk. 7-11 : ill

Post-silicon validation of IEEE 1687 reconfigurable scan networks

Damijanovic, Aleksa; **Jutman, Artur**; Squillero, Giovanni; **Tšertov, Anton** 2019 IEEE European Test Symposium (ETS) : proceedings 2019 / 6 p. : ill <https://doi.org/10.1109/ETS.2019.8791546>

Power Electronics and Energy Management for Battery Storage Systems

2022 <https://doi.org/10.3390/books978-3-0365-5278-1>
https://www.mdpi.com/journal/energies/special_issues/peem_for_battery_storage_systems

Prediction of semiconductor losses in a high-power high-voltage DC/DC converter

Jalakas, Tanel; **Vinnikov, Dmitri** 4th International Symposium Topical Problems of Education in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 15-20, 2007 2007 / p. 114-117 : ill

p-type doping of CdTe

Valdna, Vello Abstracts of the International Conference POLYSe'98 : Polycrystalline Semiconductors - Bulk Materials, Thin Films and Devices, 13-18 Sept. 1998, Schwäbisch Gmünd, Germany 1998 / p. P27

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>

Raman scattering characterization of ion-beam synthesized Mg₂Si. 1, Influence of the technological conditions on the formation of the Mg₂Si in(100) Si matrix

Atanassov, Alexander; **Zlateva, Genoveva**; **Baleva, Mitra**; **Goranova, Ekaterina**; **Amov, Blagoj**; **Angelov, Christo**; **Mikli, Valdek** Plasma processes and polymers 2006 / 2, p. 219-223 : ill <https://onlinelibrary.wiley.com/doi/pdf/10.1002/ppap.200500088>

Reaction enthalpies of Cu₂ZnSnSe₄ synthesis in KI

Leinemann, Inga; **Timmo, Kristi**; **Grossberg, Maarja**; **Kaljuvee, Tiit**; **Tõnsuaadu, Kaia**; **Traksmäa, Rainer**; **Altosaar, Mare**; **Meissner, Dieter** Journal of thermal analysis and calorimetry 2015 / p. 1555-1564 : ill <https://doi.org/10.1007/s10973-014-4339-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Review of - SiC wide-bandgap heterostructure properties as an alternate semiconductor material

Patankar, Udayan Sunil; **Rajput Priti, J.**; **Koel, Ants**; **Nithaware, V.N.** International Conference on Inventive Research in Material Science and Technology, ICIRMCT 2018 : March 23-24, 2018 2018 / art. 020011 <https://doi.org/10.1063/1.5038690> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Seade pooljuhtide mitmekordseks anoodhapendamiseks

Boiko, S.; **Gavrilov, Aleksei** XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 72 https://www.ester.ee/record=b1322611*est

Self-heating phenomenon and current suppressing effect at 6H-SiC Schottky interfaces

Kurel, Raido; **Rang, Toomas** Proceedings of the 5th NEXUSPAN Workshop on Thermal Aspects in Microsystem Technology, 6-8 May 1998, Budapest, Hungary 1998 / p. 88-91 <https://www.witpress.com/eliibrary/wit-transactions-on-engineering-sciences/22/5010>

Self-heating phenomenon and current suppressing effect at the SiC Schottky interfaces

Rang, Toomas; Kurel, Raido Software for electrical engineering analysis and design. IV 1999 / p. 153-162: ill
<https://www.witpress.com/elibrary/wit-transactions-on-engineering-sciences/22/5010>

Semiconductor based alcohol sensing element

Rang, Toomas; Kasemaa, Argo Proceedings of the 6th Nexspan Workshop Microsystems Technology Activities in Baltic Region : 23-24 April, 1999, Vilnius, Lithuania 1999 / p. 82-84

Sensitized photolysis on semiconductors and the structure of the latent image

Fridkin, Vladimir; **Pakkas, Roul; Kallavus, Urve; Tamm, Eha** Journal für Signalaufzeichnungsmaterialien 1978 / S. 99-103
<https://doi.org/10.1080/00223638.1978.11737965>

Sensitized photolysis on semiconductors and the structure of the latent image

Fridkin, Vladimir; **Pakkas, Roul; Kallavus, Urve; Tamm, E.A.** The Journal of Photographic Science 1978 / p. 61-64

Short-circuit protection circuits for silicon-carbide power transistors

Sadik, Diane-Perle; Colmenares, Juan; Tolstoy, Georg; **Rabkowski, Jacek** IEEE transactions on industrial electronics 2016 / p. 1995-2004 : ill <https://doi.org/10.1109/TIE.2015.2506628>

Silicon carbide - new challenge for power semiconductor devices

Rang, Toomas; Rang, Galina 2nd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 17-22, 2005 2005 / p. 36-42 : ill

Simple model for thermal spreading impedance

Veijola, Timo BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 73-76: ill

Szilícium planar technologiai eljárás szamitógépes stimulacioja

Rang, Toomas; Tamay, K.; Masszi, F. Finommechanika, mikrotechnika: az Optikai, Akusztikai és Filmtechnikai Egyesület, a Híradástechnikai Tudományos Egyesület és a Méréstechnikai és Automatizálási Tudományos Egyesület lapja 1979 / p. 257-260

Stability of chlorine-based complex defects in group II-VI semiconductors

Valdna, Vello Physica B 2001 / p. 939-941 : ill

Standing and moving discrete breathers with frequencies above the phonon spectrum

Hižnjakov, Vladimir; Haas, Mati; Šelkan, Aleksander; **Klopov, Mihhail** Quodons in mica : nonlinear localized travelling excitations in crystals 2015 / p. 229-245 : ill https://doi.org/10.1007/978-3-319-21045-2_9 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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](#)

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](#)

Subcontact layers in LPE structures for forming the ohmic contacts on GaAs semiconductor substrates

Korolkov, Oleg; Voitovitš, Viktor; Rang, Toomas Abstract book of 13th American Conference on Crystal Growth and Epitaxy : August 12-16, 2001, Burlington, Vermont, USA 2001 / p. 133

Synthesis and characterization of tetrahedrite absorber materials for photovoltaic application

Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 17 l. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

System-wide fault management based on IEEE P1687 IJTAG

Shibin, Konstantin; Jutman, Artur; Devadze, Sergei Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kuuenda aastakonverentsi artiklite kogumik : 3.-5. oktoobril 2012, Laulasmaa 2012 / p. 81-84 : ill

ZnCdSeTe radiation detectors

Valdna, Vello; Hiie, Jaan; Strandberg, Marek; Traksmäa, Rainer; Viljus, Mart Optoelectronic Devices : Physics, Fabrication and Application. III 2006 / [6] p https://www.researchgate.net/publication/253057744_ZnCdSeTe_radiation_detectors

Tahkekeha elektroonika elementide projekteerimise ja katsetamise numbrilised meetodid ja vahendid : vabariikliku nõupidamise ettekannete teesid

1989 https://www.ester.ee/record=b3661827*est

Tailoring composition and properties of CuInSe₂ materials for solar cell application

Kauk, Marit; Timmo, Kristi; Kaupmees, Liina; Altosaar, Mare; Raudoja, Jaan The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6-9, 2004 : abstracts 2004 / p. 44

Tehnikateadlased Maarja Grossberg ja Jüri Krustok said riigi teadustöö aastapreemia

Mente et Manu 2021 / lk. 20 : fot [Mente et Manu 1/2021 https://www.ester.ee/record=b1242496*est](https://www.ester.ee/record=b1242496*est)

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

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](#)

Textile-integrated conductive layers for flexible semiconductor-based photovoltaic structures

Czarnecki, Przemyslaw; Szudziel, Bartosz; Janczak, Daniel; Ruta, Lukasz; **Sibinski, Maciej**; Znajdek, Katarzyna Energies 2024 / art. 3839 <https://doi.org/10.3390/en17153839>

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 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 self-heating phenomenon in Schottky diode

Kurel, Raido Ringhääling '99 : VI Rahvusvahelise Telekommunikatsioonipäeva konverentsi ettekannete materjalid 1999 / lk. 90-94: ill

The specificity of solid-phase interaction of aluminium with silicon carbide in the manufacture of diffusion-welded contacts to semiconductor devices

Sleptšuk, Natalja; Korolkov, Oleg; Toompuu, Jana; Rang, Toomas; Mikli, Valdek Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 45-48 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/2610>

Thomas Johann Seebeck and his contribution to the modern science and technology

Velvre, Enn BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 17-24 : ill

TMS320F28335-based piezosensor monitor-node

Märtens, Olev; Saar, Tõnis; Reidla, Marko EDERC2010 European DSP in Education and Research Conference : proceedings,(Nice, France, Dec 1-2, 2010) 2010 / p. 62-65 <https://ieeexplore.ieee.org/document/6151408>

To grind or not to grind? The influence of mechanical and thermal treatments on the Cu/Zn disorder in Cu₂ZnSn(SxSe_{1-x})₄ monograins

Gurieva, Galina; Rotaru, Victoria; Ernits, Kaia; Siminel, Nichita A.; Manjón-Sanz, Alicia; Kirkham, Melanie J.; Perez-Rodriguez, Alejandro; Guc, Maxim; **Meissner, Dieter**; Schorr, Susan Solar Energy Materials and Solar Cells 2022 / Art. 112009 <https://doi.org/10.1016/j.solmat.2022.112009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Two-dimensional nonisothermal analysis of the current crowding effect at nonuniform SiC Schottky contacts using device simulator DYNAMIT-2DT

Kurel, Raido; Udal, Andres BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 51-54 : ill

Uuringuid jõupooljuhtelektroonika seadiste ja seadmete alalt

Velvre, Enn Tehnikauuringute areng Eesti NSV-s : vabariikliku konverentsi ettekannete teesid Tallinn, 15.-16. oktoober 1986 1986 / lk. 129-132 https://www.ester.ee/record=b1258828*est

Vanamoodi enam ei saa, uutmoodi veel ei oska

Visualisation of in-capillary microreactions using a CMOS-based absorbance detector

Kulp, Maria; Kaljurand, Mihkel; Bergström, Edmund T. Conference on Knowledge-based Materials and Technologies for Sustainable Chemistry : 1-5 June 2005, Tallinn, Estonia : abstract book 2005 / p. 97

Анализ процессов распространения тепла в структурах импульсных силовых приборов вблизи плоскостей спая кремниевых пластин в высоковольтные "столбы"

Glazov, Aleksei; Korolkov, Oleg Известия высших учебных заведений. Материалы электронной техники 2012 / с. 65-69 : ил

Влияние дефектной структуры на процессы температурного тушения рекомбинационной люминесценции в широкозонных 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 механических напряжений на поверхностную и объемную проводимости некоторых диэлектриков

Bender, Villem; Veimer, Vladimir; Mere, Arvo; Roninson, Aleksander; Silas, Aarne Электрофизические свойства полупроводниковых и диэлектрических материалов 1986 / с. 65-72

Влияние неоднородностей в моно- и поликристаллическом Cds на фотоэлектрические и длинновременные неравновесные свойства

Kropman, Daniel; Lott, Kalju; Šeinkman, M. Физика, химия и технические применения полупроводников A2B6 : тезисы докладов IV всесоюзного совещания (Одесса, 16-19 ноября 1976 г.) 1976 / с. 123 https://www.ester.ee/record=b2969209*est

Времена жизни неосновных носителей заряда в полупроводниках с учетом Оже-процессов на локализованных состояниях

Opotski, Aleksei Машинное проектирование электронных устройств и систем 1988 / с. 134-148

Измерение коэффициентов ударной ионизации в рп-переходах при очень низкой интенсивности размножения

Velmre, Enn; Pikkov, Mihhail Машинное проектирование электронных устройств и систем 1989 / с. 3-19

Импульсно-плазменный отжиг слоев кремния, имплантированных бором

Gavrilov, Aleksei; Katšurin, G.A. Электрофизические свойства полупроводниковых и диэлектрических материалов 1983 / с. 3-13 : ил https://www.ester.ee/record=b1291687*est <https://digikogu.taltech.ee/et/Item/9447de85-407e-426e-843d-2f0c98097f4e>

Использование термодинамических методов исследования дефектной структуры полупроводников A2B6

Varvas, Jüri; Nirk, Tiit; Rändur, Õie; Öpik, Andres; Aarna, Heiti; Nöges, Märt; Tünn, Leo Второе всесоюзное совещание по химии твердого тела, 11-13 мая 1978 г. : Ч. 1 : тезисы докладов 1978 / с. [56] https://www.ester.ee/record=b4433699*est

Исследование изовалентного замещения в полупроводниках CdS и CdSe

Voit, K.; Nöges, Märt XVI студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов). Математика, физика и химия 1970 / с. 25 https://www.ester.ee/record=b1379468*est

Исследование лавинного пробоя р-п перехода

Rang, G.; Velmre, Enn XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 1 1974 / с. 118 https://www.ester.ee/record=b1306141*est

Исследование миграции примеси меди в монокристаллах сульфида кадмия

Aarna, Heiti; Reiter, Erik Электрофизические свойства полупроводниковых и диэлектрических материалов 1986 / с. 43-48

Исследование уровней прилипания в пленках сульфида кадмия

Kropman, Daniel Сборник статей по химии и химической технологии. 19 1968 / с. 87-92 : ил https://www.ester.ee/record=b2182213*est <https://digikogu.taltech.ee/et/Item/026f8881-5a73-4588-acba-0b1ffe988b0f>

Исследование физико-химических процессов в полупроводниках и разработка полупроводниковых материалов и приборов в Таллинском политехническом институте

Varvas, Jüri Развитие научных исследований в области технических наук в Эстонской ССР : тезисы республиканской конференции, Таллин, 15-16 октября 1986 г. 1986 / с. 104-107 https://www.ester.ee/record=b1231513*est

Источник стабилизированного переменного тока для эффекта Холла в полупроводниках

Gavrilov, Aleksei Приборы и техника эксперимента 2007 / 1, с. 157-158

Источник стабилизированного тока для анодного окисления полупроводников

Gavrilov, Aleksei Приборы и техника эксперимента 2004 / 1, с. 160-161 : ил

Источник стабилизированного тока для многократного анодного окисления полупроводников
Gavrilov, Aleksei; Košelap, Andrei Электрофизические свойства полупроводниковых и диэлектрических материалов 1988 / с. 94-99

К вопросу об Оже-рекомбинации в полупроводниках
Opotski, Aleksei Измерение и моделирование в электронике 1987 / с. 101-113

Концентрационная зависимость эффективных масс дырок в германии
Paat, Aadu; Uder, Ülo-Olimar Физическая химия соединений AIIbVI 1981 / с. 95-103 : илл https://www.ester.ee/record=b1533413*est
<https://digikogu.taltech.ee/et/Item/dceb76ed-f60b-4ce9-b87e-618a41d25bb8>

Лазерный отжиг радиационных дефектов в некогерентных полупроводниковых источниках излучения
Manak, I.S.; Ljutov, A.V. Исследования по прикладной квантовой электронике 1983 / с. 49-54 : ил
https://www.ester.ee/record=b1271959*est <https://digikogu.taltech.ee/et/Item/a565466d-098c-472e-b687-7647aea327b0>

Направленное дефектообразование в широкозонных полупроводниках
Kukk, Peeter-Enn Проблемы электронного материаловедения 1986 / с. 16-29 : илл https://www.ester.ee/record=b2181832*est

Направленное дефектообразование в широкозонных полупроводниках
Kukk, Peeter-Enn IV школа по физико-химическим основам методов получения и исследования материалов электронной техники : Тезисы докладов, г. Красноярск, 30 мая - 12 июня 1984 г. 1985 / с. 45-47

Некоторые вопросы уменьшения влияния пыли в производстве полупроводниковых изделий
Hansen, Eerik; Puusepp, Märt; Saar, Bernhard Труды по электротехнике и автоматике : сборник статей. 8 1970 / с. 89-94 : илл https://www.ester.ee/record=b2189971*est <https://digikogu.taltech.ee/et/Item/f65c4042-b55d-4b5b-b9b9-8a70cac2957d/>

Новые методы исследования химии локальных центров в бинарных полупроводниках
Kukk, Peeter-Enn Дефекты и массоперенос в твердофазных соединениях переходных элементов 1985 / с. 82-100
https://www.ester.ee/record=b1769161*est

Новый метод определения доминирующих дефектов в полупроводниках типа A2B6
Kukk, Peeter-Enn; Aarna, Heiti; Voogne, Maie Второе всесоюзное совещание по химии твердого тела, 11-13 мая 1978 г. Ч. 2 : тезисы докладов 1978 / с. [30-31] https://www.ester.ee/record=b4433699*est

О развитии научно-исследовательского направления "Приборы и устройства силовой полупроводниковой электроники"
Velme, Enn Развитие научных исследований в области технических наук в Эстонской ССР : тезисы республиканской конференции, Таллин, 15-16 октября 1986 г. 1986 / с. 136-139 https://www.ester.ee/record=b1231513*est

Об экспериментальных испытаниях двухтактного квази-импедансного преобразователя постоянного напряжения с полупроводниковыми элементами на основе карбида кремния
Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri; Husev, Aleksandr Энергосбережение, энергетика, энергоаудит = Energy saving, power engineering, energy audit 2013 / с.51-58 : ил

Определение концентрационного профиля с помощью двух выпрямляющих контактов
Mankin, Romi; Paat, Aadu Электрофизические свойства полупроводниковых и диэлектрических материалов 1983 / с. 29-33 : ил https://www.ester.ee/record=b1291687*est <https://digikogu.taltech.ee/et/Item/9447de85-407e-426e-843d-2f0c98097f4e>

Определение природы центров рекомбинации полупроводников физико-химическими методами
Altosaar, Mare; Kukk, Peeter-Enn; Mellikov, Enn; Moín, M. II республиканская конференция по фотоэлектрическим явлениям в полупроводниках, (Одесса, сентябрь 1982 г.) : тезисы докладов 1982 / с. [18-19]

Оптроны с жидкостным каналом
Valdna, Vello; Varvas, Jüri Физика, химия и технические применения полупроводников A2B6 : тезисы докладов IV всесоюзного совещания (Одесса, 16-19 ноября 1976 г.) 1976 / с. 43-44 https://www.ester.ee/record=b2969209*est

Основы направленного дефектообразования в полупроводниковых соединениях
Kukk, Peeter-Enn Журнал неорганической химии 1984 / с. 1365-1373 : илл https://www.ester.ee/record=b1443384*est

Перераспределение вещества в поле внешних сил
Aarna, Heiti; Mankin, Romi; Reiter, Erik Электрофизические свойства полупроводниковых и диэлектрических материалов 1986 / с. 39-41

Поверхностная фото-ЭДС в полупроводниках и в полупроводниковых структурах : автореферат ... кандидата физико-математических наук (01.04.07)

Seilenthal, Mats 1982 https://www.ester.ee/record=b1279678*est

Полупроводниковые материалы

Varvas, Jüri; Nirk, Tiit; Õpik, Andres; Krustok, Jüri; Mädasson, Jaan; Lott, Kalju; Višnjakov, A.V.; **Raukas, Maie; Türn, Leo; Iljina, Natalja; Varema, Tiit; Krunks, Malle; Mellikov, Enn; Sork, Eeve;** Vidrevitš, Marina; **Palmre, Õie; Hiie, Jaan; Tuvike, Tiit;** Klepikova, N.V. 1984 https://www.ester.ee/record=b1314940*est

Полупроводниковые материалы

Varvas, Jüri; Nirk, Tiit; Oja, Alar; Kerm, Karin; Raukas, Maie; Õpik, Andres; Ahven, Tarmo; **Valdna, Vello; Mädasson, Jaan; Türn, Leo; Reiter, Eerik; Meiler, Boriss; Gavrilov, Aleksei; Veimer, Vladimir; Kurik, Lembit; Silas, Arne** 1987 https://www.ester.ee/record=b1272914*est

Порошкообразные соединения A2B6 как детекторы излучения

Vallaste, Heikki; Tuvike, Tiit; Palmre, Õie Плазма и неустойчивости в полупроводниках : VI всесоюзный симпозиум, 24-26 сентября 1986 г., Вильно : тезисы докладов 1986 / с. 80-81 https://www.ester.ee/record=b2292061*est

Приближенный метод определения времени жизни неравновесных электронов в сульфиде кадмия

Varvas, Jüri; Kuk, Peeter-Enn Сборник статей по химии и химической технологии. 10 1964 / с. 257-266 : илл https://www.ester.ee/record=b2181961*est <https://digikogu.taltech.ee/et/Item/9569e6db-150a-42c8-bf3b-765725dfd969>

Программа определения параметров "OPTI"

Rang, Toomas Проблемы моделирования и измерения в электронике 1986 / с. 21-26

Расчет коэффициента лавинного умножения резких кремниевых р-п-переходов

Velme, Enn Acta polytechnica. řada 4, Technicko-teoretická = Acta polytechnica. serija 4, Teoretičeskaja = Acta polytechnica. series 4, Theoretical studies = Acta polytechnica. Reihe 4, Theoretische Reihe = Acta polytechnica. série 4, Théorique 1975 / с. 117-122

Расчет туннельного тока в переходах металл - полупроводник

Rang, Toomas Расчет и проектирование измерительных преобразователей 1983 / с. 69-74 : ил https://www.ester.ee/record=b1288985*est <https://digikogu.taltech.ee/et/Item/4e3815a3-f217-4ae2-9776-1b5ea3c25959>

Регулятор трехфазного напряжения с управляемым межфазным энергообменом

Sakkos, Tiit; Sakkos, Heinar Проблемы электромагнитной совместимости силовых полупроводниковых преобразователей. Часть 3 : тезисы докладов III Всесоюзного научно-технического совещания [Таллин, ноябрь 1986 года] 1986 / с. 38-39 https://www.ester.ee/record=b1216686*est

Сенсибилизированный фотолиз на поверхности полупроводников

Pikka, Tiit; Tamm, Eha Труды по физике : сборник статей. 8 1976 / с. 9-14 https://www.ester.ee/record=b2190766*est <https://digikogu.taltech.ee/et/Item/023bba63-69e4-40f1-8c80-5c023bdbae0d>

Специализированная мини-ЭВМ "Виру" для автоматизированной системы испытаний силовых полупроводниковых приборов

Ariste, Andri Разработка средств измерения, автоматизации и систем управления технологическими процессами в силовом полупроводниковом приборостроении : тезисы докладов отраслевого научно-технического семинара (Таллин, май) 1982 / с. 88-89 https://www.ester.ee/record=b1274563*est

Термозонд для определения типа проводимости примесных полупроводников

Gavrilov, Aleksei; Klopov, Mihhail Приборы и техника эксперимента 1995 / 3, с. 199-200: ил

Фазовые переходы в сегнетоэлектриках-полупроводниках типа AvBvCviii

Pikka, Tiit; Fridkin, Vladimir Физика твердого тела 1968 / с. 3378-3384 : ил https://www.ester.ee/record=b1258896*est

Физико-химический анализ несовершенных полупроводниковых кристаллов

Kuk, Peeter-Enn Электрофизические свойства полупроводниковых и диэлектрических материалов 1986 / с. 3-22

Физическая химия соединений AIBVI

1981 https://www.ester.ee/record=b1533413*est <https://digikogu.taltech.ee/et/Item/dceb76ed-f60b-4ce9-b87e-618a41d25bb8>

Численное моделирование рп-структур с двойной фаски с помощью программы "FAAS"

Rang, Toomas; Nurste, Ivar Измерение и моделирование в электронике 1987 / с. 89-93

Численное моделирование эксперимента Шокли-Хейнса

Velme, Enn; Udai, Andres Силовые полупроводниковые приборы : сборник статей 1986 / с. 49-53 : ил https://www.ester.ee/record=b1591355*est

Электромагнитные процессы в схеме с делителями без магнитной и электрической связей
Kõnnusaar, Kalju Электромеханика. 5 1974 / с. 27-35 : илл https://www.ester.ee/record=b2190666*est
<https://digikogu.taltech.ee/et/Item/6827b5ca-030f-4eae-87e4-93c1fa0f4395>

Электропроводность некоторых сегнетоэлектриков-полупроводников V-VI-VII групп
Pikka, Tiit Кристаллография 1967 / с. 1075-1076 : илл https://www.ester.ee/record=b2146307*est