

Bulk and interface recombination in TiO₂/Sb₂Se₃ solar cells

Krautmann, Robert; Josepson, Raavo; Spalatu, Nicolae; Oja Acik, Ilona Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / p. 28 [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

CdS and CdSe microphotonresistor for optoelectronics

Altosaar, Mare; Kuk, Peeter-Enn; Mellikov, Enn; Valdna, Vello 9th International Symposium of the Technical Committee on Photon-Detectors, Visegrad, 9 - 12 september 1980 : proceedings International Measurement Confederation IMEKO : [abstracts] 1980 / p. 12-13

Controlled formation of optically active centres responsible for opto-electronic properties of II-VI compounds

Kuk, Peeter-Enn 11th International Symposium on Photon-Detectors, Weimar, September, 11-13, 1984 1984 / p. 26

Controlled formation of optoelectronic materials in the form of monograin powders

Mellikov, Enn; Hiie, Jaan; Altosaar, Mare Abstracts of the 2nd European Conference on Advanced Materials and Processes 1991 / p. 292-293

Creation of diffractive optical elements by one step e-beam lithography for optoelectronics and X-ray lithography

Aristov, V.V.; Dubonos, S.V.; Dyachenko, R.Ya.; Gaifullin, B.N.; Matveev, V.N.; Svintsov, A.A.; Zaitsev, S.I. BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 483-486: ill

Dr. Vello Valdna

The Europe 500 : leaders for the New Century 2000 / p. 447 : portr

Electron microscopy and image analysis study of powdered hardmetal materials and optoelectronic thin films

Mikli, Valdek 2003 https://www.ester.ee/record=b1782316*est

EMI-transparent SB2S3 solar cells with fluorene-based enamine as hole transport material

Juneja, Nimish; Mandati, Sreekanth; Daskeviciute-Geguziene, Sarune; Vembris, Aivars; Getautis, Vytautas; **Krunks, Malle; Oja Acik, Ilona** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 21 l. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

Forward and backward walking : multifactorial characterization of gait parameters

Donno, Lucia; **Monoli, Cecilia;** Frigo, Carlo Albino; Galli, Manuela Sensors 2023 / art. 4671 <https://doi.org/10.3390/s23104671> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of copper and oxygen on the optoelectronic properties of chlorine doped CdTe thin films

Valdna, Vello Thin solid films 2001 / p. 192-194 : ill

Influence of copper and oxygen on the optoelectronic properties of chlorine doped CdTe thin films

Valdna, Vello Abstracts E-MRS-IUMRS 2000 / p. N-22

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 Mädasson, 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

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

Pilvet, Maris; Kauk-Kuusik, Marit; Grossberg, Maarja; Raadik, Taavi; Mikli, Valdek; Traksmäa, 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](#)

Modification of the optoelectronic properties of Sb₂Se₃ absorber material for photovoltaic applications = Päikesepatarei absorbermaterjali Sb₂Se₃ optoelektronsete omaduste muutmine

Uslu, Mehmet Ender 2025 https://www.ester.ee/record=b5712268*est <https://digikogu.taltech.ee/et/Item/26bc364a-9424-4811-ad7f-4268ab02bc6e> <https://doi.org/10.23658/taltech.65/2024>

One-stage pulsed laser deposition of conductive zinc oxysulfide layers

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

The optoelectronic properties of Sb₂(Se_{1-x}, S_x)₃ (x= 0 - 1) solid solutions

Ender, Mehmet; Volobujeva, Olga; Timmo, Kristi; Grossberg, Maarja GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 4 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Optoelectronic properties of CdSe - CdTe solid solutions

Valdna, Vello; Mere, Arvo; Voronin, A. MatTech '91 : The Second European East-West Symposium on Materials and Processes, May 26-30, 1991 : abstracts 1991 / p. 256

Optoelectronic properties of CdTe thin films

Valdna, Vello EUROMAT 99. Volume 9, Interface controlled materials 2000 / p. 90-95 : ill
<https://onlinelibrary.wiley.com/doi/abs/10.1002/352760622X.ch15>

Optoelectronic properties of chlorine and oxygen doped CdTe thin films

Valdna, Vello Solar energy materials and solar cells 2005 / p. 369-373 : ill

Optoelectronic surface emitters of terahertz radiation from copper chalcogenides

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

Orgaanilise optoelektronika pealetung

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

Pooljuhid ja optoelektronika

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

Pooljuhtmaterjalid päikeseenergeetikale ja optoelektronikale : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööle

Mellikov, Enn Tallinna Tehnikaülikooli aastaraamat 1997 1998 / lk. 116-119

Properties of CuSbSe₂ thin film solar cell absorbers deposited by magnetron co-sputtering

Penežko, Aleksei; Grossberg, Maarja; Volobujeva, Olga; Kauk-Kuusik, Marit GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 71 <http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Pulsed laser deposition of Zn(O,Se) layers for optoelectronic applications

Ibrahim, Akram Abdalla Mohammed; Bereznev, Sergei GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / O 13 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Pulsed laser deposition of Zn(O,Se) layers for optoelectronic applications = Impulsslaser-sadestatud Zn(O,Se) kiled optoelektronseteks rakendusteks

Ibrahim, Akram Abdalla Mohammed 2021 <https://digikogu.taltech.ee/et/Item/0d07be7f-3737-4350-9de4-80f32df036de>
https://www.ester.ee/record=b5470705*est <https://doi.org/10.23658/taltech.57/2021>

Quasichemical analysis of defect structure in A₂B₆ materials

Krustok, Jüri Chair of Semiconductor Materials Technology : activity report, 1988-1993 1994 / p. 12-14

Research on optoelectronic materials at Tallinn Technical 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

Spatially resolved opto-electronical investigations of monograin layer solar cells = Monoteraliste päikeseplatadeid ruumilise lahutusega optoelektronised uuringud

Neubauer, Christian 2019 <https://digi.lib.ttu.ee/?11900>

Synthesis and characterization of polycrystalline GeS thin films for optoelectronic applications

Drabavičius, Audrius; Pakštas, Vidas; Jasiūnas, Rokas; Koltsov, Mykhailo; Talaikis, Martynas; Naujokaitis, Arnas; Spalatu, Nicolae; Kondrotas, Rokas; Gulbinas, Vidmantas; Franckevičius, Marius Materials Science in Semiconductor Processing 2025 / art. 109193 <https://doi.org/10.1016/j.mssp.2024.109193>

Synthesis and physical characteristics of narrow bandgap chalcogenide SnZrSe₃ : [version 2; peer review: 2 approved]

Kondrotas, Rokas; Juškeenas, Remigijus; Krotkus, Arunas; Pakštas, Vidas; Suchodolskis, Arturas; Mekys, Algirdas; Franckevičius, Marius; Talaikis, Martynas; Muska, Katri; Li, Xiaofeng; Kauk-Kuusik, Marit; Kravtsov, Victor Open Research Europe 2023 / art. 138 <https://doi.org/10.12688/openresearch.15168.2> <https://open-research-europe.ec.europa.eu/articles/2-138>
<https://doi.org/10.5281/zenodo.7867349> Journal metrics at Scopus Article at Scopus

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Vergleich des eingestrahnten und des gerichtet reflektierten Pulses bei Metallbearbeitung mit einem gepulsten Festkörperlaser

Põldmaa, Veiko; Rahula, Aare; Sowada, U. Laser und Optoelektronik 1994 / 3, S. 71-75

Измерение СВЧ фотопроводимости в материалах с высокой проводимостью

Vallaste, Heikki; Mellikov, Enn; Tuvike, Tiit; Palmre, Õie Электрофизические свойства полупроводниковых и диэлектрических материалов 1986 / с. 57-63

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

Опто-электронная регистрация пространственных характеристик трехмерных объектов

Schults, Eduard Elektronika ir elektrotehnika = Electronics and electrical engineering 2001 / 2, p. 83-85

Принципиальные ограничения в оптоэлектронном преобразователе фотоприемника

Taklaja, Andres Исследования по прикладной квантовой электронике 1989 / с. 60-62

Прошел год : лаборатория оптоэлектронных материалов

Mellikov, Enn Tallinna Polütehnik : TPI parteikomitee, rektoraadi, komsomolikomitee, ametiühingukomitee häälekandja 1988 / с. 3
https://www.ester.ee/record=b1254708*est <https://digikogu.taltech.ee/et/Item/3cfd17a0-d98c-4a76-8aac-ee61f9acca5a>

Создание основ направленного синтеза оптоэлектронных материалов АИ ВУ1 и разработка на их основе полупроводниковых приборов : автореферат ... кандидата технических наук

Mellikov, Enn 1988 https://www.ester.ee/record=b1524292*est

Точечные дефекты и процессы их образования в сульфидах кадмия и цинка : автореферат ... кандидата химических наук (02.00.04)

Mädasson, Jaan vt.ka Raudoja, Jaan 1987 https://www.ester.ee/record=b1521477*est

Физико-химический анализ несовершенных полупроводниковых кристаллов

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

Формирование дефектной структуры в монокристаллических порошках сульфида и селенида кадмия : автореферат ... кандидата химических наук (02.00.04)

Altosaar, Mare 1983 https://www.ester.ee/record=b1514334*est

Фотопроводники для оптоэлектроники

Valdna, Vello; Varvas, Jüri; Hiie, Jaan Республиканская научно-техническая конференция, посвященная Дню радио : тезисы докладов 1973 / с. 31 https://www.ester.ee/record=b1383925*est

Химическая природа и процессы образования центров рекомбинации в легированном сульфиде кадмия : автореферат ... кандидата химических наук (02.00.04)

Erm, Ants 1982 https://www.ester.ee/record=b1522028*est

Электрооптический преобразователь

Lans, U.; Schults, Eduard XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 1 1974 / с. 143 https://www.ester.ee/record=b1306141*est