A spectroscopic and photometic study of 12 BM Camelopardalis
Kalv, Peep Astronomical journal 1995 / 3

A spectroscopic and photometric study of 12 BM Camelopardalis
Hall, D.S.; Fekel, F.C.; **Kalv, Peep** Astrophysical journal. Supplement series 1994

The Acidity of Weak NH Acids : Expanding the pKa Scale in Acetonitrile
Lõkov, Märt; Kesküla, Carmen; Tshepelevitsh, Sofja; Pikma, Marta-Lisette; Saame, Jaan; **Trubitsõn, Dmitri**; **Kanger, Tõnis**; Leito, Ivo ACS Organic & Inorganic Au 2025 https://doi.org/10.1021/acsorginorgau.4c00095

An alternative chlorine-assisted optimization of CdS/Sb2Se3 solar cells : towards understanding of chlorine incorporation mechanism
Gopi, Sajeesh Vadakkedath; **Spalatu, Nicolae**; **Katerski, Atanas**; Kulicek, Jaroslav; Razek, Bohuslav; Ukraintsev, Egor; Barinkova, Marketa Šlapal; Zoppi, Guillaume; **Krunks, Malle**; **Oja Acik, Ilona** Journal of alloys and compounds 2024 / art. 176175 https://doi.org/10.1016/j.jallcom.2024.176175

An XPS and AFM study of polypyrrole coating on mild steel
Idla, Katrin; Talo, A.; Niemi, H.E.-M.; Forsen, Olof; Yläsaari, Seppo Surface and interface analysis 1997 / 9, [18] p.: ill

Analysis of barrier inhomogeneities of P-type Al/4H-SiC Schottky barrier diodes
Ziko, Mehadi Hasan; **Koel, Ants**; **Rang, Toomas**; **Toompuu, Jana** Silicon Carbide and Related Materials 2019 : Selected peer-reviewed papers from International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), September 29 - October 4, 2019, Kyoto, Japan Materials science forum 2020 / p. 960-972 https://doi.org/10.4028/www.scientific.net/MSF.1004.960 Conference proceedings at Scopus Article at Scopus

Analysis of deep level spectrum in GaAs p+-p-i-n-n+ structures
Toompuu, Jana; **Sleptšuk, Natalja**; **Korolkov, Oleg**; **Rang, Toomas** Materials characterization VII 2015 / p. 283-294 : ill

Analysis of grain orientation and defects in Sb2Se3 solar cells fabricated by close-spaced sublimation
Krautmann, Robert; **Spalatu, Nicolae**; Gunder, Rene; Abou-Ras, Daniel; Unold, Thomas; Schorr, Susan; **Oja Acik, Ilona**; **Krunks, Malle** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 17 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Analysis of grain orientation and defects in Sb2Se3 solar cells fabricated by close-spaced sublimation : [journal article]
Krautmann, Robert; **Spalatu, Nicolae**; Gunder, Rene; Abou-Ras, Daniel; Unold, Thomas; Schorr, Susan; **Krunks, Malle**; **Oja Acik, Ilona** Solar energy 2021 / p. 494-500 https://doi.org/10.1016/j.solener.2021.07.022 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analysis of microstructure and abrasive wear of Fe-based hardfacings with TiC, in-situ synthesized from TiO2
Yöyler, Sibel; **Surzhenkov, Andrei**; **Antonov, Maksim**; **Viljus, Mart**; **Traksmaa, Rainer**; **Juhani, Kristjan** Euro PM2023 : proceedings 2023 / art. 195090 https://doi.org/10.59499/EP235762969

Analysis of organic species in sediments and soil by high performance separation methods = Orgaaniliste ainete analüüs sette ja mulla proovides kõrgefektiivsete lahutusmeetodite abil
Makarõtševa, Natalja 2011 https://digi.lib.ttu.ee/i/?614

Application of diffuse reflectance spectroscopy for quick laboratory assessment of Estonian oil shale quality
Tufail, Iram; Paris, Peeter; Jõgi, Indrek; **Riisalu, Hella** Proceedings of the Estonian Academy of Sciences 2020 / p. 134-142 : ill https://doi.org/10.3176/proc.2020.2.04 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Assessing tissue hydration dynamics based on water/fat separated MRI
Karlsson, Markus; Indurain, Ainhoa; Romu,Thobias; Tunon, Patrik; Segelmark, Marten; **Uhlin, Nils Fredrik Arne**; Fernström, Anders; Dahlqvist Leinhard, Olof Journal of magnetic resonance imaging 2023 / p. 652-660 https://doi.org/10.1002/jmri.28581 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bioimpedance and spectroscopy
2021 https://doi.org/10.1016/C2018-0-04440-0

Bioimpedance spectro-tomography system using binary multifrequency excitation [Online resource]
Min, Mart; Lehti-Polojärvi, M.; Hyttinen, Jari; **Rist, Marek**; **Land, Raul**; **Annus, Paul** International journal of bioelectromagnetism Proceedings of the 11th International Conference on Bioelectromagnetism : 23-25 May 2018, Aachen, Germany 2018 / p. 76-79 : ill http://www.ijbem.org/ https://publications.rwth-aachen.de/record/723893/files/723893.pdf

Characterization of deep level traps in semiconductor structures using numerical experiments
Koel, Ants; **Rang, Toomas**; **Rang, Galina** Materials characterization VII 2015 / p. 253-261 : ill

Characterization of dissolved organic matter in lake sediment pore water samples by spectroscopic methods
Makarõtševa, Natalja; **Lepane, Viia** 8th European Meeting on Environmental Chemistry (EMEC8) : Inverness, Scotland, 5-8 December 2007 : book of abstracts 2007 / p. 26

Combined SEM microscopic and spectroscopic study of selenization of thin metallic films
Volobujeva, Olga; **Mellikov, Enn** First Joint Meeting of Dreiländertagung and Multinational Congress on Microscopy. 3, Materials science 2009 / p. 449-450 : ill

Comparative results of low temperature annealing of lightly doped n-layers of silicon carbide irradiated by protons and electrons
Kozlovski, Vitali V.; **Korolkov, Oleg**; Lebedev, Alexander A.; **Toompuu, Jana**; **Sleptsuk, Natalja** Silicon Carbide and Related Materials 2019 : 18th International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), Kyoto, Japan, September 29 - October 4, 2019 2020 / p. 231-236 https://doi.org/10.4028/www.scientific.net/MSF.1004.231 Conference Proceedings at Scopus Article at Scopus

Comparative study of thin films prepared by different curing methods of perhydropolysilazane
Shmagina, Elizaveta; **Danilson, Mati**; **Mikli, Valdek**; **Bereznev, Sergei** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / art. 54 Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference 2022

Comparison of individual SiC JBS chips and JBS stacks connected in series by diffusion welding
Sleptšuk, Natalja; **Korolkov, Oleg**; **Toompuu, Jana**; **Rang, Toomas** 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. 81-84 : ill

Detection of deuterium retention by LIBS at different background pressures
Paris, Peeter; Butikova, J.; Laan, Matti; Aints, Mart; Hakola, A.; Piip, Kaarel; **Tufail, Iram**; Veis, P. Physica scripta 2017 / art. 014003, 5 p. : ill https://doi.org/10.1088/0031-8949/2017/T170/014003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Determination of heating value of Estonian oil shale by laser-induced breakdown spectroscopy
Aints, Mart; Paris, Peeter; Laan, Matti; Piip, Kaarel; **Riisalu, Hella**; **Tufail, Iram** Journal of spectroscopy 2018 / 10 p. : ill https://doi.org/10.1155/2018/4605925 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Determination of the calorific value and moisture content of crushed oil shale by LIBS
Aints, Märt; Paris, Peeter; **Tufail, Iram**; Jõgi, Indrek; Aosaar, Hardi; **Riisalu, Hella**; **Laan, Matti** Oil shale 2018 / p. 339-355 : ill https://doi.org/10.3176/oil.2018.4.04 http://www.kirj.ee/public/oilshale_pdf/2018/issue_4/OS-2018-4-339-355.pdf https://artiklid.elnet.ee/record=b2868183*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Determination of the total sulphur content of oil shale by using different analytical methods
Maaten, Birgit; **Pikkor, Heliis**; **Konist, Alar**; **Siirde, Andres** Oil shale 2018 / p. 144-153 : ill https://doi.org/10.3176/oil.2018.2.04 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Development of novel hierarchically microporous-mesoporous carbon and carbon nanospheres based materials and PEMFC single cells
Lust, Enn; Sepp, Silver; Nerut, Jaak; **Taleb, Masoud** ECS transactions 2016 / p. 777-788 http://dx.doi.org/10.1149/07514.0777ecst

Development of novel hierarchically microporous-mesoporous carbon and carbon nanospheres based materials and PEMFC single cells
Lust, Enn; Sepp, Silver; Nerut, Jaak; **Taleb, Masoud** PRiME Meeting : MA2016-02, October 2-7, 2016, Honolulu, Hawaii 2016 / p. 2539 http://ma.ecsdl.org/content/MA2016-02/38/2539.abstract?sid=3a2322bd-5e72-463a-b64a-1b02d671829b

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

Direct CVD growth of multi-layered graphene closed shells around alumina nanofibers
Ivanov, Roman; **Mikli, Valdek**; **Kübarsepp, Jakob**; **Hussainova, Irina** Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATTRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 77-80 : ill https://doi.org/10.4028/www.scientific.net/KEM.674.77 Conference Proceedings at Scopus Article at Scopus

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

Electrical bioimpedance analysis for evaluating the effect of pelotherapy on the human skin : methodology and experiments
Metshein, Margus; Tuulik, Varje-Riin; Tuulik, Viiu; Kumm, Monika; **Min, Mart**; **Annus, Paul** Sensors 2023 / art. 4251 https://doi.org/10.3390/s23094251 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrochemical impedance spectroscopy
El-Azazy, Marwa; **Min, Mart**; **Annus, Paul** Intechopen 2020 https://www.intechopen.com/books/10054 https://doi.org/10.5772/intechopen.92333

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

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

Fast assessment of oil shale quality by spectral methods = Põlevkivi kvaliteedi kiirmääramine spektraalsetel meetoditel
Tufail, Iram 2022 https://doi.org/10.23658/taltech.50/2022 https://digikogu.taltech.ee/et/Item/23cf4874-d577-47fe-8dd0-8cf21a75cb0b https://www.ester.ee/record=b5511738*est

Focusing aspects of delayed time reversal based nonlinear elastic wave spectroscopy methods
Lints, Martin; Dos Santos, Serge; **Salupere, Andrus** 2016 IEEE International Ultrasonics Symposium, IUS : [September 18-21, Tours, France] 2016 / [4] p. : ill https://doi.org/10.1109/ULTSYM.2016.7728831

Graphene-encapsulated aluminium oxide nanofibers as a novel type of nanofillers for electroconductive ceramics
Ivanov, Roman; **Hussainova, Irina**; **Aghayan, Marina**; **Drozdova, Maria**; Perez-Coll, Domingo; Rodriguez, Miguel Angel; Rubio-Marcos, Fernando Journal of the European Ceramic Society 2015 / p. 4017-4021 : ill https://doi.org/10.1016/j.jeurceramsoc.2015.06.011 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High-resolution spectroscopic study of pore-water dissolved organic matter in Holocene sediments of Lake Peipsi (Estonia/Russia)
Leeben, Aina; **Heinsalu, Atko**; **Alliksaar, Tiiu**; **Vassiljev, Jüri** Hydrobiologia 2010 / p. 21-31 https://doi.org/10.1007/s10750-010-0174-2

How different geometrical factors influence on ECD spectra of porphyrin-based supramolecules
Osadchuk, Irina 8th international conference on vibrational optical activity (VOA8) : book of abstracts 2024 / p. 76 https://www.mertenlab.de/wp-content/uploads/2024/08/VOA8_book_of_abstracts.pdf

Hydrogen effects in equiatomic CrFeNiMn alloy fabricated by laser powder bed fusion
Yang, Xuan; Yagodzinskyy, Yuriy; Ge, Yanling; Lu, Eryang; Lehtonen, Joonas; **Kollo, Lauri**; Hannula, Simo-Pekka Metals 2021 / art. 872 https://doi.org/10.3390/met11060872 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hydrogen states in mixed-cation CuIn(1−x)GaxSe2 chalcopyrite alloys : a combined study by first-principles density-functional calculations and muon-spin spectroscopy
Marinopoulos, Apostolos G.; Vilao, Rui C.; Alberto, Helena Vieira; Ribeiro, E. F. M.; Gil, J. M.; Mengyan, P. W.; Goeks, M. R.; **Kauk-Kuusik, Marit**; Lord, J. S. Philosophical magazine 2021 / p. 2412-2434 https://doi.org/10.1080/14786435.2021.1972178 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

1H line width dependence on MAS speed in solid state NMR - comparison of experiment and simulation
Sternberg, Ulrich; **Witter, Raiker**; Kuprov, Ilya; Lamley, Jonathan M.; **Oss, Andres**; Lewandowski, Jozef R.; **Samoson, Ago** Journal of magnetic resonance 2018 / p. 32-39 : ill https://doi.org/10.1016/j.jmr.2018.04.003 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

Indium-free CIGS analogues : general discussion
Andreasen, Jens Wenzel; Bowers, Jake W.; Breternitz, Joachim; Dale, Phillip J.; Dimitrievska, Mirjana; Fermin, David J.; Ganose, Alex; Gurieva, Galina; Hages, Charles J.; **Mandati, Sreekanth** Faraday Discussions 2022 / p. 85-111 https://doi.org/10.1039/D2FD90055F

Investigation of deep level centers in i- and n-layers of GaAs pin-diodes
Toompuu, Jana; **Korolkov, Oleg**; **Sleptšuk, Natalja**; **Rang, Toomas** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014,

Tallinn, Estonia 2014 / p. 25-28 : ill

Investigation of p-i-n GaAs structures by DLTS method
Toompuu, Jana; **Korolkov, Oleg**; **Sleptšuk, Natalja**; **Rang, Toomas** Elektronika ir elektrotechnika = Electronics and electrical engineering 2010 / 4, p. 51-54 : ill https://www.researchgate.net/publication/267372152_Investigation_of_p-i-n_GaAs_structures_by_DLTS_method

Investigation of P-i-n GaAs structures by DLTS method : the deep level transient spectroscopy in application to GaAs p-i-n structures for identification of deep levels
Toompuu, Jana 2010 https://www.amazon.com/Investigation-p-i-n-GaAs-structures-method/dp/383839223X

Investigation of the silicon/polypyrrole interface by pulsed photoluminescence and IR spectroscopic ellipsometry during electrochemical deposition
Zhang, Xin; **Sõritski, Vitali**; Sun, Guoguang; Hinrichs, Karsten; Rappich, Jörg Polymers for advanced technologies 2013 / p. 171

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

Keemilistest muudatustest UV-kiiritatud puidupinnal
Kaps, Tiit; Harvonen, Piia; **Rebane, Helen** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 48-49

Leakage currents in 4H-SiC JBS diodes
Ivanov, Pavel; **Korolkov, Oleg**; **Sleptšuk, Natalja** Semiconductors 2012 / p. 397-400 : ill
https://link.springer.com/article/10.1134/S106378261203013X

Low processing temperatures explored in Sb2S3 solar cells by close-spaced sublimation and analysis of bulk and interface related defects
Krautmann, Robert; **Spalatu, Nicolae**; **Josepson, Raavo**; Nedzinskas, Ramunas; Kondrotas, Rokas; Gržibovskis, R.; Vembris, Aivars; **Krunks, Malle**; **Oja Acik, Ilona** Solar energy materials and solar cells 2023 / art. 112139, 9 p. : ill
https://doi.org/10.1016/j.solmat.2022.112139 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Manufacturing of silicon – Bioactive glass scaffolds by selective laser melting for bone tissue engineering
Rodrigo-Vazquez, C. Sara; **Kamboj, Nikhil Kumar**; Aghayan, Marina; Saez, Ada; De Aza, Antonio de; Rodriguez, Miguel Angel; **Hussainova, Irina** Ceramics international 2020 / p. 26936-26944 : ill https://doi.org/10.1016/j.ceramint.2020.07.171 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mid-IR DIAL for high-resolution mapping of explosive precursors
Mitev, Valentin M.; Babichenko, Sergey M.; Bennès, Jonathan; Borelli, Rodolfo; Dolfi-Bouteyre, Agnès; Fiorani, Luca; Hespel, Laurent; Huet, Thierry; Palucci, Antonio; Pistilli, Marco; Puiu, Adriana; Rebane, Ott; **Sobolev, Innokenti** Lidar technologies, techniques, and measurements for atmospheric remote sensing IX : 23 - 24 September 2013, Dresden, Germany 2013 / art. 88940S
https://doi.org/10.1117/12.2028374 Conference Proceedings at Scopus Article at Scopus Article at WOS

Monitoring the effect of pH on the growth of pathogenic bacteria using electrical impedance spectroscopy
Razmi, Nasrin; **Lazouskaya, Maryna**; Pajcin, Ivana; Petrovic, Bojan; Grahovac, Jovana; Simic, Mitar; Willander, Magnus; Nur, Omer; Stojanovic, Goran M. Results in Engineering 2023 / art. 101425 https://doi.org/10.1016/j.rineng.2023.101425 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nanostructured fluorite-type fluorides as electrolytes for fluoride ion batteries
Rongeat, Carine; Reddy, M. Anji; **Witter, Raiker**; Fichtner, Maximilian Journal of Physical Chemistry C 2013 / p. 4943 - 4950
https://doi.org/10.1021/jp3117825 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ne, Ar, and Kr oscillators in the molecular cavity of fullerene C60
Jafari, Tanzeeha; Shugai, Anna; Nagel, Urmas; Bacanu, George Razvan; Aouane, Mohamed; Jimenez-Ruiz, Monica; Rols, Stephane; Bloodworth, Sally; Walkey, Mark; Hoffman, Gabriela; Whitby, Richard J.; Levitt, Malcolm H.; Rõõm, Toomas The Journal of chemical physics 2023 / art. 234305 : ill https://doi.org//10.1063/5.0152628

Notes on signals for simultaneous multipoint impedance spectroscopy
Priidel, Eiko; **Min, Mart**; **Annus, Paul** International Workshop on Impedance Spectroscopy : IWIS 2016 : September 26-28, 2016, Technische Universität Chemnitz, Germany : abstract book 2016 / p. 6-7 : ill

On quasi-periodic intrinsic light varability in a close spectroscopic binary CX Dra
Pustõlnik, Izold; **Kalv, Peep**; **Harvig, Voldemar**; **Aas, Toomas** Modern problems of astronomy 2007 / p. 54
https://www.researchgate.net/publication/241210511_On_Quasi-Periodic_Intrinsic_Light_Variability_in_a_Close_Spectroscopic_Binary_CX_DRA

On the propagation of 1D solitary waves in Mindlin-type microstructured solids
Tamm, Kert; **Salupere, Andrus** Mathematics and computers in simulation 2012 / p. 1308-1320 : ill
https://www.sciencedirect.com/science/article/pii/S0378475410002260

Optimised signal processing for nonlinear ultrasonic nondestructive testing of complex materials and biological tissues = Optimeeritud signaalitöötlus mittelineaarsete komplekssete materjalide ja bioloogiliste kudede mittepurustavaks testimiseks ultraheliga = Traitement du signal optimisé pour l'evaluation non linéaire non destructive des matériaux complexes et des tissus biologiques
Lints, Martin 2017 https://digi.lib.ttu.ee/i/?8437 https://www.ester.ee/record=b4689325*est

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

Otto Struve : spektroskoopiakorüfee
Kalv, Peep Universum 1997 / lk. 353-354: ill

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

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

QUADRA impedance spectroscopy devices for dynamic measurements of bio-objects
Rist, Marek; **Reidla, Marko**; **Märtens, Olev**; **Min, Mart**; **Annus, Paul**; **Land, Raul**; **Parve, Toomas** 34th Annual International IEEE EMBS Conference : August 28 - September 1, 2012, Hilton Bayfront Hotel in San Diego, California, USA : abstracts 2012 / p. 557 : ill

Quantum dynamics of noble gas atoms and methane in the molecular cavity of fullerene : terahertz spectroscopy study = Väärisgaasi aatomite ja metaani kvantdünaamika fullereeni molekulaarses õõnsuses : terahertsspektroskoopia uurimus
Jafari, Tanzeeha 2025 https://digikogu.taltech.ee/et/Item/33879cfc-2e32-4b05-bdbc-86e033784086 https://doi.org/10.23658/taltech.6/2025 https://www.ester.ee/record=b5728363*est

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 spectroscopic study of In2S3 films prepared by spray pyrolysis
Kärber, Erki; **Otto, Kairi**; **Katerski, Atanas**; **Mere, Arvo**; **Krunks, Malle** Materials science in semiconductor processing 2014 / p. 137-142 : ill https://doi.org/10.1016/j.mssp.2013.10.007 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Rapid assessment of photovoltaic activity of perovskite solar cells by photoluminescence spectroscopy
Dileep, K. Reshma; **Mandati, Sreekanth**; **Ramasamy, Easwaramoorthi**; **Mallick, S**; Rao, Tata Naransinga; **Veerappan, Ganapathy** Materials letters 2021 / art. 130056, 4 p. : ill https://doi.org/10.1016/j.matlet.2021.130056

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

Rectangular wave excitation in wideband bioimpedance spectroscopy
Min, Mart; **Paavle, Toivo**; **Annus, Paul**; **Land, Raul** IEEE International Workshop on Medical Measurements and Applications : MeMeA2009 : Cetraro, Italy, May 29-30, 2009 2009 / p. 268-271

Revealing aspects of cardiac function from fluorescence and electrophysiological recordings = Südametalituse uuringud fluorestsentsi ja elektrofüsioloogiliste mõõtmiste abil
Laasmaa, Martin 2016 http://www.ester.ee/record=b4632325*est https://digikogu.taltech.ee/et/Item/5e9f5bd2-8295-4f7e-8f6d-65d0b8002a74

A review on the application of machine learning in gamma spectroscopy : challenges and opportunities
Zehtabvar, Mehrnaz; Taghandiki, Kazem; Madani, Nahid; Sardari, Dariush; **Bashiri, Bashir** Spectroscopy journal 2024 / p. 123-144 https://doi.org/10.3390/spectroscj2030008

Sb2S3 solar cells with TiO2 electron transporting layers synthesized by ALD and USP methods
Dedova, Tatjana; **Krautmann, Robert**; Rusu, Marin; **Katerski, Atanas**; **Krunks, Malle**; Unold, Thomas; **Spalatu, Nicolae**; **Mere, Arvo**; **Sydorenko, Jekaterina**; **Sibinski, Maciej**; **Oja Acik, Ilona** Solar energy materials and solar cells 2025 / art. 113279 https://doi.org/10.1016/j.solmat.2024.113279

Shortfall of B3LYP in reproducing NMR JCH couplings in some isomeric epoxy structures with strong stereoelectronic effects : a benchmark study on DFT functionals
Adamson, Jasper; Nazarski, Ryszard B.; Jarvet, Jüri; Pehk, Tõnis; **Aav, Riina** ChemPhysChem 2018 / p. 631-642 : ill https://doi.org/10.1002/cphc.201701125 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solid-state heteronuclear multiple-quantum spectroscopy under a magic-angle spinning frequency of 150 kHz
Yuan, Eric Chung-Yueh; Chen, Po-Wen; Huang, Shing-Jong; **Org, Mai-Liis**; **Samoson, Ago**; Chan, Jerry Chun Chung Journal of the Chinese Chemical Society 2022 / p. 1449-1461 https://doi.org/10.1002/jccs.202200063 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Some errors during impedance measurement
Annus, Paul; **Land, Raul**; **Min, Mart** Book of abstracts : 16th International Conference on Electrical Bio-Impedance : 17th Conference on Electrical Impedance Tomography : ICEBI and EIT Stockholm, 19-23 June 2016 2016 / p. 90

Spectroscopic monitoring of carbamazepine crystallization and phase transformation in ethanol-water solution
Qu, Haiyan; Kohonen, Jarno; Louhi-Kultanen, Marjatta; Reinikainen, Satu-Pia; **Kallas, Juha** Industrial & engineering chemistry 2008 / p. 6991-6998

Spectroscopic properties, conduction processes and the Summerfield scaling of barium titanate ceramics based on Bi and Fe
Gouadria, Hamida; Mnasri, Taoufik; Jamale, Atul P.; López Sánchez, Jesús; **Necib, Jallouli**; Marín, Pilar; Carmona, Noemi; Smari, Mourad Inorganic chemistry communications 2023 / art. 111417 https://doi.org/10.1016/j.inoche.2023.111417 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The spectroscopy of the quantum criticality in a transverse field ising chain compound CoNb2O6 [Online resource]
Viirok, Johan; **Hüvonen, Dan**; Rõõm, Toomas; Nagel, Urmas Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p http://fmtdk.ut.ee/teesid-2019/

Spin-waves in magnetoelectric materials with strong single-ion anisotropy = Spinn-lained tugeva anisotroopiaga magnetelektrilistes materjalides
Peedu, Laur 2022 https://doi.org/10.23658/taltech.69/2022 https://digikogu.taltech.ee/et/Item/b0fe0699-1bc6-407d-bcce-2d0600f4ddd4 https://www.ester.ee/record=b5527933*est

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

Substitution of histidine 30 by asparagine in manganese superoxide dismutase alters biophysical properties and supports proliferation in a K562 leukemia cell line
Bonetta, Rosalin; Hunter, Gary J.; Trinh, Chi H.; Borowski, Tomasz; Fenech, Anthony G.; **Kulp, Maria**; Tabares, Leandro C.; Un, Sun; Hunter, Thérèse European biophysics journal 2021 / p. 571-585 : ill https://doi.org/10.1007/s00249-021-01544-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Supramolecular chirogenesis in a sterically hindered Porphyrin : a critical theoretical analysis
Osadchuk, Irina; **Luts, Hanna-Eliisa**; Norvaiša, Karolis; **Borovkov, Victor**; Senge, Mathias O. Chemistry : a European journal 2023 / art. e202301408 https://doi.org/10.1002/chem.202301408

Supramolecular chirogenesis in a sterically hindered porphyrin: a critical theoretical analysis
Osadchuk, Irina; **Luts, Hanna-Eliisa**; Norvaiša, Karolis; **Borovkov, Victor**; Senge, Mathias O. Chemistry : a European journal 2023 / art. e202302275 https://doi.org/10.1002/chem.202302275 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Synthesis and characterization of tetrahedrite Cu10Cd2Sb4S13 monograin material for photovoltaic application
Ghisani, Fairouz; **Timmo, Kristi**; **Altosaar, Mare**; **Raudoja, Jaan**; **Mikli, Valdek**; **Pilvet, Maris**; **Kauk-Kuusik, Marit**; **Grossberg, Maarja** Materials science in semiconductor processing 2020 / art. 104973 https://doi.org/10.1016/j.mssp.2020.104973 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis control of charge separation at anatase TiO2 thin films studied by transient surface photovoltage spectroscopy
Dittrich, Thomas; **Sydorenko, Jekaterina**; **Spalatu, Nicolae**; Nickel, Norbert H.; **Mere, Arvo**; **Krunks, Malle**; **Oja Acik, Ilona** ACS applied materials & interfaces 2022 / p. 43163-43170 https://doi.org/10.1021/acsami.2c09032 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

Terahertz absorption spectroscopy study of spin waves in orthoferrite YFeO3 in a magnetic field
Amelin, Kirill; Nagel, Urmas; Fishman, R.S.; Yoshida, Y.; Sim, Hasung; Park, Kisoo; Park, Je-Geun; Rõõm, Toomas Physical review B 2018 / art. 174417, 6 p. : ill https://doi.org/10.1103/PhysRevB.98.174417

Terahertz spectroscopy of spin excitations in magnetoelectric LiFePO4 in high magnetic fields
Peedu, Laur; Kocsis, V.; Szaller, D.; Forrai, B.; Bordacs, S.; Kezsmarki, I.; Viirok, Johan; Nagel, Urmas; Bernath, B.; Kamenskyi, D.L.; Miyata, A.; Portugall, O.; Tokunaga, Y.; Tokura, Y.; Taguchi, Y.; Rõõm, Toomas Physical review B 2022 / art. 134413, 12 p. : ill https://doi.org/10.1103/PhysRevB.106.134413

Terahertz spectroscopy of the helium endofullerene He@C60
Jafari, Tanzeeha; Bacanu, George Razvan; Shugai, Anna; Nagel, Urmas; Walkey, Mark; Hoffman, Gabriela; Levitt, Malcolm H.; Whitby, Richard J.; Rõõm, Toomas Physical chemistry chemical physics 2022 / p. 9943–9952 : ill https://doi.org//10.1039/d2cp00515h

TG-FTIR analysis of oxidation kinetics of some solid fuels under oxy-fuel conditions
Meriste, T.; **Yörük, Can Rüstü**; **Trikkel, Andres**; **Kuusik, Rein, keemik** ICTAC 15 - 15th International Congress on Thermal Analysis and Calorimetry : August 20-24, 2012, Osaka 2012 https://link.springer.com/article/10.1007/s10973-013-3063-x

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

The 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

Thermal behavior of Estonian graptolite-argillite from different deposits
Kaljuvee, Tiit; **Tõnsuaadu, Kaia**; **Einard, Marve**; **Mikli, Valdek**; **Kivimäe, Eliise-Koidula**; **Kallaste, Toivo**; **Trikkel, Andres** Processes 2022 / art. 1986 https://doi.org/10.3390/pr10101986 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermal decomposition study of HAuCl4·3H2O and AgNO3 as precursors for plasmonic metal nanoparticles
Otto, Kairi; **Oja Acik, Ilona**; **Krunks, Malle**; **Tõnsuaadu, Kaia**; **Mere, Arvo** Journal of thermal analysis and calorimetry 2014 / p. 1065-1072 : ill https://doi.org/10.1007/s10973-014-3814-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

THz gyrotron and BWO designed for operation in DNP-NMR spectrometer magnet
Bratman, V. L.; Fedotov, A. E.; Kalynov, Yu K.; Makhalov, Petr B.; **Samoson, Ago** Journal of Infrared, Millimeter, and Terahertz Waves 2013 / p. 837 - 846 https://doi.org/10.1007/s10762-013-0024-1 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

To question indirect of objektive estimation influence of noises and vibrations on spectral parameters of speaker
Pospelov, B.; Dolotin, K. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 63-64

Two-photon spectroscopy as a new quantitative protonation probe = Kahefotoonne neeldumisspektroskoopia kui uus kvantitatiivne protoneerimise sond

Rammo, Matt 2023 https://doi.org/10.23658/taltech.21/2023 https://digikogu.taltech.ee/et/Item/f9c53f09-f44d-431c-9c3d-5858e514a3a4 https://www.ester.ee/record=b5560469*est

Waste paper sorting using imaging spectroscopy
Põlder, Ahti; **Juurma, Märt**; **Tamre, Mart** 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 283-284 : ill

ВУФ-спектроскопия и дефекты нестехиометрических содалитов
Denks, Viktor; **Ruus, Tõnu** Вакуумная ультрафиолетовая спектроскопия ионных кристаллов : [сборник статей] 1981 / с. 97-124 : илл https://www.ester.ee/record=b1310295*est

Исследование p-n-переходов на основе 4H-SiC, изготовленных имплантацией бора, методом нестационарной емкостной спектроскопии
Ivanov, Pavel; Potapov, Alexander; Samsonova, Tatyana; **Korolkov, Oleg**; **Sleptšuk, Natalja** Физика и техника полупроводников 2011 / с. 1358-1362 : ил

Исследование структуры фенолформальдегидных поликонденсационных смол спектроскопическими методами. Сообщение V, Определение состава хроматографических фракций поликонденсатов 5-метилрезорцина с N-оксиметилкапролактамом
Lippmaa, Helle; Pehk, Tõnis; **Christjanson, Peep** Синтез и применение поликонденсационных клеев. [1] 1977 / с. 31-39 : илл https://www.ester.ee/record=b1418128*est https://digikogu.taltech.ee/et/Item/708124e8-a979-4c67-92ae-ee529ff008a7

Исследование структуры фенолформальдегидных поликонденсационных смол спектроскопическими методами. Сообщение 1. Изучение влияния прибавки капролактама на реакцию поликонденсации диметилол-п-крезола
Lippmaa, Helle; **Kiisler, Karl**; Pehk, Tõnis Технология органических веществ. 6 1974 / с. 81-92 : илл
https://www.ester.ee/record=b1446922*est https://digikogu.taltech.ee/et/Item/22bf26dc-cffe-498c-b90f-34dc039a428f

Исследование структуры фенолформальдегидных поликонденсационных смол спектроскопическими методами. Сообщение 2. Поликонденсаты резорцина и 5-метилрезорцина и влияние прибавки капролактама на их структуру
Lippmaa, Helle; Pehk, Tõnis; **Kiisler, Karl**; **Christjanson, Peep** Технология органических веществ. 6 1974 / с. 93-107 : илл
https://www.ester.ee/record=b1446922*est https://digikogu.taltech.ee/et/Item/22bf26dc-cffe-498c-b90f-34dc039a428f

Исследование структуры фенолформальдегидных поликонденсационных смол спектроскопическими методами. Сообщение 3. Изучение продуктов поликонденсации резорцина с N - метилолкапролактамом
Lippmaa, Helle; Pehk, Tõnis; Kiisler, Karl; Christjanson, Peep Технология органических веществ. 6 1974 / с. 109-122 : илл
https://www.ester.ee/record=b1446922*est https://digikogu.taltech.ee/et/Item/22bf26dc-cffe-498c-b90f-34dc039a428f

Исследование структуры фенолформальдегидных поликонденсационных смол спектроскопическими методами. Сообщение 4 : Определение состава хроматографических фракций поликонденсатов резорцина с N-оксиметилкапролактамом
Lippmaa, Helle; Pehk, Tõnis; **Christjanson, Peep** Технология органических веществ. 8 1976 / с. 73-91 : илл
https://www.ester.ee/record=b1475761*est https://digikogu.taltech.ee/et/Item/38b2a836-99da-4b82-8058-1c2084a10575

Исследование структуры фенолформальдегидных смол спектроскопическими методами. Сообщ. 12, ЯМР ^{13}C отвержденных резорцин- и 5-метилрезорцинформальдегидных смол
Lippmaa, Helle; **Samoson, A.V.** Синтез и применение поликонденсационных клеев. 9 1986 / с. 13-25

Исследование структуры фенолформальдегидных смол спектроскопическими методами. Сообщение IX, Сравнивание состава и структуры резорциновых и 5-метилрезорциновых смол
Lippmaa, Helle Синтез и применение поликонденсационных клеев : сборник статей. 5 1982 / с. 13-21 : ил
https://www.ester.ee/record=b2191036*est https://digikogu.taltech.ee/et/Item/948b14fd-94ea-4872-8724-96cfc1c27afe

Исследование структуры фенолформальдегидных смол спектроскопическими методами. Сообщение VI, Гелевая хроматография поликонденсатов 5-метилрезорцина
Lippmaa, Helle; **Christjanson, Peep**; Pehk, Tõnis Синтез и применение поликонденсационных клеев. 2 1978 / с. 49-60 : илл
https://www.ester.ee/record=b2191006*est https://digikogu.taltech.ee/et/Item/b615a4dd-bb4c-4a80-888a-b13d1a4c52d3

Исследование структуры фенолформальдегидных смол спектроскопическими методами. Сообщение VII, Влияние различных катализаторов на химическую структуру резорцин-формальдегидной смолы
Lippmaa, Helle; Olivson, A. Синтез и применение поликонденсационных клеев. 3 1980 / с. 45-53 : илл
https://www.ester.ee/record=b2191029*est https://digikogu.taltech.ee/et/Item/18e952ba-a2c4-42b8-9e19-228f813bf9e9

Исследование структуры фенолформальдегидных смол спектроскопическими методами. Сообщение VIII, ГПХ/ЯМР ^{13}C анализ фенол-5-метилрезорцинформальдегидной смолы

Lippmaa, Helle; Siilats, V.; **Christjanson, Peep** Синтез и применение поликонденсационных клеев. 4 1981 / с. 15-27 : илл
https://www.ester.ee/record=b2191035*est https://digikogu.taltech.ee/et/Item/b5691e32-e425-4279-b0c6-86c2af1f88a1

Попытка установления схемы ассоциации спиртов методы ИК-спектроскопии
Mölder, Leevi; **Viikna, Anti** Тезисы докладов V Всесоюзной Менделеевской дискуссии по проблеме "Специфичность и чувствительность методов исследования растворов и возможности сопоставления их результатов", 10-12 окт. 1978 г. 1978 / с. 222-223

Реакция амидометилирования. Сообщение XIV, Спектроскопическое исследование структуры N,N'-[(1,3-диоксифенил)-4,6-диметил]-ди-ε-капролактама
Oja, Holger; **Christjanson, Peep**; **Välimäe, Toomas** Синтез и применение поликонденсационных клеев. 3 1980 / с. 13-23 : илл
https://www.ester.ee/record=b2191029*est https://digikogu.taltech.ee/et/Item/18e952ba-a2c4-42b8-9e19-228f813bf9e9

Реакция амидометилирования. Сообщение 26, Спектроскопическое исследование пара-монозамещенных производных 2,6- и 2,5-диметилфенолов
Oja, Holger; **Arro, Zemfira** Tallinna Tehnikaülikooli Toimetised 1990 / lk. 39-49: ill

Спектроскопическое исследование продуктов пиролиза полиэтилена
Piiroja, Eduard; **Oja, Holger** Tallinna Tehnikaülikooli Toimetised 1990 / lk. 69-79: ill