Adhesion of single-walled carbon nanotube thin films with different materials
Rajanna, Pramod M.; Luchkin, Sergey; Larionov, Konstantin; Grebenko, Artem; Popov, Zakhar; Sorokin, Pavel; **Danilson, Mati**; **Bereznev, Sergei**; Lund, Peter D.; Nasibulin, Albert The journal of physical chemistry letters 2020 / p. 504−509
https://doi.org/10.1021/acs.jpclett.9b03552 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A comparative study on physical properties of Al-doped zinc oxide thin films deposited from zinc acetate and zinc acetylacetonate by spray pyrolysis
Eensalu, Jako Siim; **Krunks, Malle**; **Gromõko, Inga**; **Katerski, Atanas**; **Mere, Arvo** Energetika 2017 / p. 46-55 : ill
https://doi.org/10.6001/energetika.v63i2.3519 Journal metrics at Scopus Article at Scopus

A comparative study on physical properties of Al-doped zinc oxide thin films deposited from zinc acetate and zinc acetylacetonate solutions by spray pyrolysis
Eensalu, Jako Siim; **Krunks, Malle**; **Gromõko, Inga**; **Katerski, Atanas**; **Mere, Arvo** The 14th International Conference of Young Scientists on Energy Issues : Kaunas, Lithuania, May 25-26, 2017 2017 / p. X-332
http://cyseni.com/archives/proceedings/Proceedings_of_CYSENI_2017.pdf

Economic pulse electrodeposition for flexible CuInSe(2)solar cells
Mandati, Sreekanth; Misra, Prashant; Boosagulla, Divya; Rao, Tata Naransinga; Sarada, Bulusu V. Materials for renewable and sustainable energy 2020 / art. 19, 6 p. : ill https://doi.org/10.1007/s40243-020-00177-3

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

Effect of Zr doping on the structural and electrical properties of spray deposited TiO2 thin films
Oluwabi, Abayomi Titilope; Juma, Albert Owino; **Oja Acik, Ilona**; **Mere, Arvo**; **Krunks, Malle** Proceedings of the Estonian Academy of Sciences 2018 / p. 147–157 : ill https://doi.org/10.3176/proc.2018.2.05 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Efficient defect-driven cation exchange beyond the nanoscale semiconductors toward antibacterial functionalization
Polivtseva, Svetlana; **Volobujeva, Olga**; **Kuznietsov, Ivan**; **Kaupmees, Reelika**; **Danilson, Mati**; **Krustok, Jüri**; Molaiyan, Palanivel; Hu, Tao; Lassi, Ulla; **Klopov, Mihhail**; van Gog, Heleen; van Huis, Marijn A.; Kaur, Harleen; Ivask, Angela; Rosenberg, Merilin; Gathergood, Nicholas; Ni, Chaoying; **Grossberg-Kuusk, Maarja** ACS applied materials & interfaces 2024 / p. 62871-62882
https://doi.org/10.1021/acsami.4c11425

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

Formation and characterization of stable TiO2/CuxO-based solar cells
Wisz, Grzegorz; Sawicka-Chudy, Paulina; **Sibinski, Maciej**; Yavorskyi, Rostyslav; Łabuz, Mirosław; Płoch, Dariusz; Bester, Mariusz Materials 2023 / art. 5683, 15 p. : ill https://doi.org/10.3390/ma16165683 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Formation of Cu2ZnSnS4 absorber layers for solar cells by electrodeposition-annealing route
Iljina, Julia; **Zhang, R.**; **Ganchev, Maxim**; **Raadik, Taavi**; **Volobujeva, Olga**; **Altosaar, Mare**; **Traksmaa, Rainer**; **Mellikov, Enn** Thin Solid Films 2013 / p. 85 - 89 https://doi.org/10.1016/j.tsf.2013.04.038 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of the secondary thermal annealing on the properties of CdTe/CdS:CdCl2:O2 structure
Yang, Wangjun; **Spalatu, Nicolae**; **Maticiuc, Natalia**; **Krunks, Malle**; **Hiie, Jaan** Proceedings of 13th International Conference of Young Scientists on Energy Issues : CYSENI 2016 : May 26-27 2016, Kaunas, Lithuania 2016 / p. VII-220 - VII-225 : ill

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

A luminescence study of Cu2ZnSnSe4/Mo/glass films and solar cells with near stoichiometric copper content
Yakushev, M. V.; Sulimov, M. A.; Marquez-Prieto, J.; **Krustok, Jüri** Journal of physics D : applied physics 2019 / art. 055502, 10 p. : ill
https://doi.org/10.1088/1361-6463/aaefe3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Maleimide functionalized silicon surfaces for biosensing investigated by in-situ IRSE and EQCM
Kanyong, Prosper; Sun, Guoguang; Rösicke, Felix; **Sõritski, Vitali**; Panne, Ulrich; Hinrichs, Karsten; Rappich, Jörg Electrochemistry communications 2015 / p. 103-107 : ill https://doi.org/10.1016/j.elecom.2014.12.015 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optical spectroscopy studies of $Cu_2ZnSnSe_4$ thin films
Yakushev, M. V.; Forbes, I.; Mudryi, A. V.; **Grossberg, Maarja**; **Krustok, Jüri**; **Beattie, N. S.**; Moynihan, M.; Rockett, A.; Martin, R. W. Thin solid films 2015 / p. 154-157 : ill http://dx.doi.org/10.1016/j.tsf.2014.09.010

Phase composition of selenized Cu2ZnSnSe4 thin films determined by X-ray diffraction and Raman spectroscopy
Ganchev, Maxim; **Iljina, Julia**; **Kaupmees, Liina**; **Raadik, Taavi**; **Volobujeva, Olga**; **Mere, Arvo**; **Altosaar, Mare**; **Raudoja, Jaan**; **Mellikov, Enn** Thin solid films 2011 / p. 7394-7398 : ill

Photocatalytic degradation of different VOCs in the gas-phase over TiO2 thin gilms prepared by ultrasonic spray pyrolysis
Dundar, Ibrahim; **Kritševskaja, Marina**; **Katerski, Atanas**; **Krunks, Malle**; **Oja Acik, Ilona** Catalysts 2019 / art. 915 ; 18 p. : ill https://doi.org/10.3390/catal9110915 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Preparation and characterization of SbSeI thin films
Dolcet Sadurni, Marc; **Timmo, Kristi**; **Mikli, Valdek**; **Volobujeva, Olga**; **Mengü, Idil**; **Krustok, Jüri**; **Grossberg-Kuusk, Maarja**; **Kauk-Kuusik, Marit** Journal of science: Advanced materials and devices 2024 / art. 100664
https://doi.org/10.1016/j.jsamd.2023.100664

Preparation of CuInSe2 thin films by using various methods : (a short review)
Soonmin, Ho; **Mandati, Sreekanth**; Chandran, Ramkumar; Mallik, Archana; Bhuiyan, M. A. S.; Deepa, K. G. Oriental journal of chemistry 2019 / p. 01-13 : ill http://eprints.intimal.edu.my/1267/1/CuInSe2%20thin%20films%20by%20uisng%20various%20methods_Ho.pdf

Properties of the CdCl2 air-annealed CSS CdTe thin films
Spalatu, Nicolae; **Hiie, Jaan**; **Valdna, Vello**; Caraman, Mihail; **Maticiuc, Natalia**; **Mikli, Valdek**; **Potlog, Tamara**; **Krunks, Malle**; Lughi, Vanni Energy procedia 2014 / p. 85-95 : ill https://doi.org/10.1016/j.egypro.2013.12.013 Conference proceedings at Scopus Article at Scopus Article at WOS

Sb2S3 thin-film solar cells fabricated from an antimony ethyl xanthate based precursor in air
Eensalu, Jako Siim; **Mandati, Sreekanth**; Don, Christopher H.; Finch, Harry; Dhanak, Vinod R.; Major, Jonathan D.; Grzibovskis, Raitis; Tamm, Aile; Ritslaid, Peeter; **Josepson, Raavo**; Käämbre, Tanel; Vembris, Aivars; **Spalatu, Nicolae**; **Krunks, Malle**; **Oja Acik, Ilona** ACS applied materials & interfaces 2023 / p. 42622-42636 https://doi.org/10.1021/acsami.3c08547 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Semitransparent Sb2S3 thin film solar cells by ultrasonic spray pyrolysis for use in solar windows
Eensalu, Jako Siim; **Katerski, Atanas**; **Kärber, Erki**; Weinhardt, Lothar; Blum, Monika; Heske, Clemens; **Oja Acik, Ilona**; **Krunks, Malle** Beilstein journal of nanotechnology 2019 / p. 2396−2409 https://doi.org/10.3762/bjnano.10.230 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sol-Gel approach to the calcium phosphate nanocomposites
Beganskiene, Aldona; Stankeviciute, Zivile; Malakauskaite, Milda; **Bogdanoviciene, Irma**; **Mikli, Valdek**; **Tõnsuaadu, Kaia**; Kareiva, Aivaras Nanostructured materials and nanotechnology VII : a collection of papers presented at the 37th International Conference on Advanced Ceramics and Composites, January 27-February 1, 2013, Daytona Beach, Florida 2014 / p. 3-14 : ill https://doi.org/10.1002/9781118807828.ch1 Conference proceedings at Scopus Article at Scopus

Solution-mediated inversion of SnSe to Sb2Se3 thin-films
Polivtseva, Svetlana; Kois, Julia; **Kruzhilina, Tatiana**; **Kaupmees, Reelika**; **Klopov, Mihhail**; Molaiyan, Palanivel; van Gog, Heleen; van Huis, Marijn A.; **Volobujeva, Olga** Nanomaterials 2022 / art. 2898 https://doi.org/10.3390/nano12172898 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Spray pyrolysis deposition of SnxSy thin films
Polivtseva, Svetlana; **Oja Acik, Ilona**; **Katerski, Atanas**; **Mere, Arvo**; **Mikli, Valdek**; **Krunks, Malle** Energy procedia 2014 / p. 156-165 : ill https://doi.org/10.1016/j.egypro.2014.12.358 Conference proceedings at Scopus Article at Scopus Article at WOS

Spray-pyrolysis synthesised TiO2 thin films for photocatalytic air treatment from volatile organic compounds
Sydorenko, Jekaterina; **Krunks, Malle**; **Mere, Arvo**; **Krichevskaya, Marina**; **Oja Acik, Ilona** Proceedings 2023 / art. 37
https://doi.org/10.3390/proceedings2023092037

Stabilization of higher symmetry HfO_2 polymorphs as thin films and nanoparticles
Rauwel, Protima; **Rauwel, Erwan** Hafnium : chemical characteristics, production and applications 2014 / p. 77-112 : ill

Structural and electrical characterisation of high-k ZrO2 thin films deposited by chemical spray pyrolysis method
Oluwabi, Abayomi Titilope; **Oja Acik, Ilona**; **Katerski, Atanas**; **Mere, Arvo**; **Krunks, Malle** Thin Solid Films 2018 / p. 129 - 136 https://doi.org/10.1016/j.tsf.2018.07.035 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Structural and optoelectronic properties of CdCl2 activated CdTe thin films modified by multiple thermal annealing

Spalatu, Nicolae; **Krunks, Malle**; **Hiie, Jaan** Thin solid films 2017 / p. 106-111 : ill https://doi.org/10.1016/j.tsf.2016.09.042 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Structural investigation of tellurium based thin films
Ivanova, Vladislava; Trifonova, Yordanka; Lilova, Vanya; **Mikli, Valdek**; Stoyanova-Ivanova, Angelina Journal of chemical technology and metallurgy 2018 / p. 749-754 : ill https://journal.uctm.edu/node/j2018-4/17_18-122_p_749-754.pdf Journal metrics at Scopus Article at Scopus

Study on the properties of TiO2 thin films deposited by ultrasonic spray pyrolysis
Chen, Zengjun; **Oja Acik, Ilona**; **Dündar, Ibrahim**; **Mere, Arvo** The 15th International Conference of Young Scientists on Energy Issues (CYSENI 2018) : 23-25 May 2018, Kaunas, Lithuania 2018 / p. X-416 - X-423 : ill
http://cyseni.com/archives/proceedings/Proceedings_of_CYSENI_2018.pdf

Synthesis and characterisation of Cu2ZnSnSe4 thin films prepared via a vacuum evaporation-based route
Volobujeva, Olga; **Bereznev, Sergei**; **Raudoja, Jaan**; **Otto, Kairi**; **Pilvet, Maris**; **Mellikov, Enn** Thin solid films 2013 / p. 48-51 : ill https://doi.org/10.1016/j.tsf.2012.12.080 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Zirconium doped TiO2 thin films deposited by chemical spray pyrolysis
Juma, Albert Owino; **Oja Acik, Ilona**; **Oluwabi, Abayomi Titilope**; **Mere, Arvo**; **Mikli, Valdek**; **Danilson, Mati**; **Krunks, Malle** Applied surface science 2016 / p. 539-545 : ill https://doi.org/10.1016/j.apsusc.2016.06.093 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thin tin monosulfide films deposited with the HVE method for photovoltaic applications = Tanka plast hve kositrovega monosulfida za uporabo v fotovoltaiki
Naidu, Revathi; **Bereznev, Sergei**; **Lehner, Julia**; **Traksmaa, Rainer**; **Safonova, Maria**; **Mellikov, Enn**; **Volobujeva, Olga** Materials and technology 2015 / p. 149-152 : ill http://mit.imt.si/Revija/izvodi/mit151/revathi.pdf

Uniform Sb2S3 optical coatings by chemical spray method
Eensalu, Jako Siim; **Katerski, Atanas**; **Kärber, Erki**; **Oja Acik, Ilona**; **Mere, Arvo**; **Krunks, Malle** Beilstein journal of nanotechnology 2019 / p. 198-210 : ill https://doi.org/10.3762/bjnano.10.18 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS