

### **Electrodeposited ZnO morphology transformations under the influence of SeO<sub>2</sub> additive: Rods, disks, nanosheets network**

**Gromõko, Inga; Dedova, Tatjana; Polivtseva, Svetlana; Kois, Julia; Puust, Laurits; Sildos, Ilmo; Mere, Arvo; Krunks, Malle** Thin solid films 2018 / p. 10-15 : ill <https://doi.org/10.1016/j.tsf.2017.12.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Influence of solution composition on sprayed ZnO nanorods properties and formation process: Thermoanalytical study of the precursors**

**Dedova, Tatjana; Oja Acik, Ilona; Polivtseva, Svetlana; Krunks, Malle; Gromõko, Inga; Tõnsuaadu, Kaia; Mere, Arvo** Ceramics international 2019 / p. 2887-2892 : ill <https://doi.org/10.1016/j.ceramint.2018.07.274> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Low-temperature synthesis of ZnO layers assisted by chemical processes**

**Polivtseva, Svetlana; Dedova, Tatjana; Bereznev, Sergei; Kois, Julia; Tõnsuaadu, Kaia; Volobujeva, Olga; Juma, Albert** Owino 12th European Symposium on Thermal Analysis and Calorimetry ESTAC 12 : 27-30 August 2018, Brasov, Romania : book of abstracts 2018 / PS1.016, p. 200 <http://estac12.org/download.php?f=../download/BoA%20ESTAC12.pdf>

### **A novel thermochemical metal halide treatment to high-performance Sb<sub>2</sub>Se<sub>3</sub> photocathode**

**Polivtseva, Svetlana; Adegite Olanrewaju, Joseph; Kois, Julia; Mamedov, Damir; Zh. Karazhanov, Smagul; Maricheva, Jelena; Volobujeva, Olga** Nanomaterials 2021 / art. 52, 14 p <https://doi.org/10.3390/nano11010052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Post-deposition thermal treatment of sprayed SnS films**

**Polivtseva, Svetlana; Katerski, Atanas; Kärber, Erki; Oja Acik, Ilona; Mere, Arvo; Mikli, Valdek; Krunks, Malle** Thin solid films 2017 / p. 179-184 : ill <https://doi.org/10.1016/j.tsf.2017.01.014>

### **Post-deposition thermal treatment of sprayed SnS films [Online resource]**

**Polivtseva, Svetlana; Katerski, Atanas; Kärber, Erki; Oja Acik, Ilona; Mere, Arvo; Mikli, Valdek; Krunks, Malle** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p <http://fntdk.ut.ee/teesid/>

### **Pulsed laser deposition of Zn(O,Se) layers for optoelectronic application**

**Polivtseva, Svetlana; Spalatu, Nicolae; Abdalla, Akram; Volobujeva, Olga; Hiie, Jaan; Bereznev, Sergei** ACS Applied Energy Materials 2018 / p. 6505–6512 : ill <http://dx.doi.org/10.1021/acs.aem.8b01431>

### **Solution-mediated inversion of SnSe to Sb<sub>2</sub>Se<sub>3</sub> 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 tin sulfide thin films**

**Polivtseva, Svetlana; Oja Acik, Ilona; Mikli, Valdek; Krunks, Malle** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

### **Zn(O,Se) as a novel buffer layer for thin film solar cells**

**Abdalla, Akram; Polivtseva, Svetlana; Spalatu, Nicolae; Volobujeva, Olga; Hiie, Jaan; Bereznev, Sergei** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 <http://fntdk.ut.ee/teesid-2019/>

### **The cost-effective deposition of ultra-thin titanium(IV) oxide passivating layers for improving photoelectrochemical activity of SnS electrodes**

**Kois, Julia; Polivtseva, Svetlana; Bereznev, Sergei** Thin solid films 2019 / p. 152-156 : ill <https://doi.org/10.1016/j.tsf.2018.12.047> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Thermoanalytical study of precursors for SnS thin films deposited by chemical spray pyrolysis method**

**Polivtseva, Svetlana; Oja Acik, Ilona; Tõnsuaadu, Kaia; Mere, Arvo; Krunks, Malle** ESTAC-11 : the 11th European Symposium on Thermal Analysis and Calorimetry : Dipoli Congress Center, Espoo, Finland, August 17-21, 2014 : abstracts 2014 / p. 86

### **Thermoanalytical study of precursors for tin sulfide thin films deposited by chemical spray pyrolysis**

**Polivtseva, Svetlana; Oja Acik, Ilona; Krunks, Malle; Tõnsuaadu, Kaia; Mere, Arvo** Journal of thermal analysis and calorimetry 2015 / p. 177-185 : ill <http://dx.doi.org/10.1007/s10973-015-4580-6>

### **Tin sulfide films by chemical spray pyrolysis : formation and properties = Tinasulfiid kiled keemilise pihustuspürolüüsi meetodil : moodustumine ja omadused**

**Polivtseva, Svetlana** 2018 <https://digi.lib.ttu.ee/i/?9416>

**Tin sulfide films by spray pyrolysis technique using L-cysteine as a novel sulfur source**

**Polivtseva, Svetlana; Oja Acik, Ilona; Katerski, Atanas; Mere, Arvo; Mikli, Valdek; Krunk, Malle** Physica status solidi (c) 2016 / p. 18-23 : ill <http://dx.doi.org/10.1002/pssc.201510098>

**Visible light-assisted instability of kesterite Cu<sub>2</sub>ZnSnS<sub>4</sub> : what are the implications?**

**Kois, Julia; Polivtseva, Svetlana; Mamedov, Damir; Samiepour, Ali; Karazhanov, S. Zh.** Solar energy materials and solar cells 2020 / art. 110384, 10 p <https://doi.org/10.1016/j.solmat.2019.110384> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)