

Characterisation of samarium and nitrogen co-doped TiO₂ films prepared by chemical spray pyrolysis

Oja Acik, Ilona; Kiisk, Valter; **Krunks, Malle;** Sildos, Ilmo; **Junolainen, Agne;** **Danilson, Mati;** **Mere, Arvo;** **Mikli, Valdek** Applied surface science 2012 / p. 735-741 : ill

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Oja Acik, Ilona; Junolainen, Agne; Kiisk, Valter; Sildos, Ilmo; **Danilson, Mati;** **Krunks, Malle** EMRS-2010 Spring Meeting : Strasbourg, France, June 7-11 : program and book of abstracts. Symposium K 2010 / p. 4

CuInS₂ solar cell absorber plasmonically modified by gold nanoparticles

Repän, Taavi; Dolgov, Leonid; **Katerski, Atanas;** **Oja Acik, Ilona;** **Kärber, Erki;** **Mere, Arvo;** **Mikli, Valdek;** **Krunks, Malle;** Sildos, Ilmo Applied physics. A, Materials science & processing 2014 / p. 455-458 : ill <https://doi.org/10.1007/s00339-014-8681-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of Zn:S molar ratio in solution on the properties of ZnS thin films and the formation of ZnS nanorods by spray pyrolysis

Dedova, Tatjana; **Krunks, Malle;** **Gromõko, Inga;** **Mikli, Valdek;** Sildos, Ilmo; Utt, Kathriin; Unt, Tarmo Physica status solidi (a) : applications and materials science 2014 / p. 514-521 : ill <https://doi.org/10.1002/pssa.201300215> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrodeposited ZnO morphology transformations under the influence of SeO₂ 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](#)

Growth dynamics of nanocrystalline diamond films produced by microwave plasma enhanced chemical vapor deposition in methane/hydrogen/air mixture : scaling analysis of surface morphology

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Increased efficiency inside the CdTe solar cell absorber caused by plasmonic metal nanoparticles

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Local strain-induced band gap fluctuations and exciton localization in aged WS₂ monolayers

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Low-cost plasmonic solar cells prepared by chemical spray pyrolysis

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Luminescent materials based on thin metal oxide films doped with rare Earth ions

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Modification of light absorption in thin CuInS₂ films by sprayed Au nanoparticles

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Modification of light absorption in thin CuInS₂ films by sprayed gold nanoparticles

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Nanostructured layers of ZnS obtained by spray pyrolysis

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Plasmonic control of light in thin film solar cell absorbers

Repän, Taavi; **Katerski, Atanas;** **Oja Acik, Ilona;** **Kärber, Erki;** **Mere, Arvo;** **Mikli, Valdek;** **Krunks, Malle;** Dolgov, Leonid; Sildos, Ilmo The International Summer School "Nanotechnology : from fundamental research to innovations" and International research and

Plasmonic effect of spray-deposited Au nanoparticles on the performance of CSS CdS/CdTe solar cells

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Plasmonic enhancement of light absorption in CuInS₂ layer doped by gold nanoparticles

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Plasmonic TiO₂:Au composite layers deposited in situ by chemical spray pyrolysis

Oja Acik, Ilona; Oyekoya, Gboyega Nathaniel; Mere, Arvo; Loot, Ardi; Dolgov, Leonid; **Mikli, Valdek; Krunks, Malle;** Sildos, Ilmo Surface and coatings technology 2015 / p. 27-31 : ill <https://doi.org/10.1016/j.surfcoat.2015.01.036> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Study on photocatalytic activity of ZnO nanoneedles, nanorods, pyramids and hierarchical structures obtained by spray pyrolysis method

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Surface plasmon resonance caused by gold nanoparticles formed on sprayed TiO₂ films

Oja Acik, Ilona; Dolgov, Leonid; **Krunks, Malle; Mere, Arvo; Mikli, Valdek;** Pikker, Siim; Loot, Ardi; Sildos, Ilmo Thin solid films 2014 / p. 144-147 : ill <https://doi.org/10.1016/j.tsf.2013.11.125> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

ZnS thin films and nanostructured layers by chemical spray pyrolysis

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Ultra thin TiO₂ films with gold nanoparticles by the chemical spray pyrolysis method

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