

Amorphous Zn(O,Se) buffer layer for Cu(In,Ga)Se₂ thin film solar cells

Abdalla, Akram; Danilson, Mati; Oueslati, Souhaib; Pilvet, Maris; Bereznev, Sergei Materials science in semiconductor processing 2021 / art. 105862 <https://doi.org/10.1016/j.mssp.2021.105862> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Chemical etching of tetrahedrite Cu₁₀Cd₂Sb₄S₁₃ monograin powder materials for solar cell applications

Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare; Mikli, Valdek; Danilson, Mati; Grossberg, Maarja; Kauk-Kuusik, Marit Materials science in semiconductor processing 2022 / art. 106291 <https://doi.org/10.1016/j.mssp.2021.106291> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Defect studies in Cu₂ZnSnSe₄ and Cu₂ZnSn(Se_{0.75}S_{0.25})₄ by admittance and photoluminescence spectroscopy

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Effects of irradiation of ZnO/CdS/Cu₂ZnSnSe₄/Mo/glass solar cells by 10 MeV electrons on photoluminescence spectra

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Electrochemical and photoelectrochemical characterization of SnS photoabsorber films

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Employment of dopant-free fluorene-based enamines as innovative hole transport materials to boost the transparency and performance of Sb₂S₃ based solar cells

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Energy levels determination of Zn(O,Se) thin films

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Enhanced grain orientation in Sb₂Se₃ thin films deposited on Mo/BSG substrates via RF-sputtering and selenization

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Impact of vacuum and nitrogen annealing on HVE SnS photoabsorber films

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Improved electrodeposition of CdS layers in presence of activating H₂SeO₃ microadditive

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Progress in additive manufacturing of MoS₂-based structures for energy storage applications – a review

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Raman spectroscopic study of In₂S₃ films prepared by spray pyrolysis

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Sb₂S₃ thin films by ultrasonic spray pyrolysis of antimony ethyl xanthate

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Selective photoelectrochemical deposition of polypyrrole onto hydrogenated a-Si for optoelectronic applications

Dosenovicova, Denisa; Maricheva, Jelena; Neumüller, Alex; Sergeev, Oleg; Volobujeva, Olga; Nasibulin, Albert; Kois, Julia; Öpik, Andres; Bereznev, Sergei Materials science in semiconductor processing 2017 / p. 1-5 : ill

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Study of the optical properties of Sb₂(Se_{1-x}S_x)₃ (x = 0-1) solid solutions

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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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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>

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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](#)

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Temperature dependent electroreflectance study of Cu₂ZnSnSe₄ solar cells

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The effect of laser fluences on the structural and optoelectronic properties of Zn(O,Se) films

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The effect of tartaric acid in the deposition of Sb₂S₃ films by chemical spray pyrolysis

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