

Antimicrobial particles based on Cu₂ZnSnS₄ monograins

Žalneravičius, Rokas; Pakštas, Vidas; Grincienė, Giedrė; Klimas, Vaclovas; Paškevičius, Algimantas; **Timmo, Kristi; Kauk-Kuusik, Marit**; Franckevičius, Marius; Niaura, Gediminas; Talaikis, Martynas; Jagminas, Arūnas; Ramanavičius, Arūnas *Colloids and Surfaces B: Biointerfaces* 2023 / art. 113275 <https://doi.org/10.1016/j.colsurfb.2023.113275> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Band gap engineering by cationic substitution in Sn(Zr_{1-x}Ti_x)Se₃ alloy for bottom sub-cell application in solar cells

Kondrotas, Rokas; Pakštas, Vidas; Franckevičius, Marius; Suchodolskis, Arturas; Tumenas, Saulius; Jasinskas, Vidmantas; Juskenas, Remigijus; Krotkus, Arunas; **Muska, Katri; Kauk-Kuusik, Marit** *Journal of materials chemistry A* 2023 / p. 26488–26498 <https://doi.org/10.1039/D3TA05550G> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Characterization of tetrahedrite Cu₁₀Cd₂Sb₄S₁₃ monograin materials grown in molten CdI₂ and LiI

Ghisani, Fairouz; **Timmo, Kristi; Altosaar, Mare; Mikli, Valdek; Pilvet, Maris; Kaupmees, Reelika; Krustok, Jüri; Grossberg, Maarja; Kauk-Kuusik, Marit** *Thin solid films* 2021 / art. 138980 <https://doi.org/10.1016/j.tsf.2021.138980> [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

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Comparative study of SnS recrystallization in molten CdI₂, SnCl₂ and KI

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Romanyuk, Yaroslav E.; Haass, Stefan G.; Giraldo, Sergio; **Kauk-Kuusik, Marit** *Journal of Physics : Energy* 2019 / art. 044004, 22 p. : ill <https://doi.org/10.1088/2515-7655/ab23bc>

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Impact of Cu₂ZnSn(SexS_{1-x})₄ (x=0.3) compositional ratios on the monograin powder properties and solar cells

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Pyrite as promising monograin layer solar cell absorber material for in-situ solar cell fabrication on the Moon

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Pyrite as prospective monograin layer solar cell absorber material for in-situ solar cell fabrication on the Moon

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Radiative recombination pathways in ordered and disordered CZTSe microcrystals

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Reduced recombination through the CZTS/CdS interface engineering in monograin layer solar cells

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Study of (Ag_xCu_{1-x})₂ZnSn(S,Se)₄ monograins synthesized by molten salt method for solar cell applications

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Study of Cu₂CdGeSe₄ monograin powders synthesized by molten salt method for photovoltaic applications

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Study of Cu₂Ge(S,Se)₃ and Cu₂CdGe(S,Se)₄ monograin powders for photovoltaic applications

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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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Synthesis and characterization of tetrahedrite Cu₁₀Cd₂Sb₄S₁₃ monograin material for photovoltaic application

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The effect of S/Se ratio on the properties of Cu₂CdGe(S_xSe_{1-x})₄ microcrystalline powders for photovoltaic applications

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