

Maris Pilvet

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Photoelectrochemical properties and band positions of Cd-substituted tetrahedrite Cu ₁₀ Cd ₂ Sb ₄ S ₁₃ monograin materials grown in molten CdI ₂ and Lil. Thin Solid Films, 2022, 741, 139030. | 1.8 | 0 |
| 2 | Amorphous Zn(O,Se) buffer layer for Cu(In,Ga)Se ₂ thin film solar cells. Materials Science in Semiconductor Processing, 2021, 132, 105862. | 4.0 | 1 |
| 3 | Detailed Insight into the CZTS/CdS Interface Modification by Air Annealing in Monograin Layer Solar Cells. ACS Applied Energy Materials, 2021, 4, 12374-12382. | 5.1 | 19 |
| 4 | Characterization of tetrahedrite Cu ₁₀ Cd ₂ Sb ₄ S ₁₃ monograin materials grown in molten CdI ₂ and Lil. Thin Solid Films, 2021, 739, 138980. | 1.8 | 5 |
| 5 | Synthesis and characterization of tetrahedrite Cu ₁₀ Cd ₂ Sb ₄ S ₁₃ monograin material for photovoltaic application. Materials Science in Semiconductor Processing, 2020, 110, 104973. | 4.0 | 8 |
| 6 | Nano-scale sulfurization of the Cu ₂ ZnSnSe ₄ crystal surface for photovoltaic applications. Journal of Materials Chemistry A, 2019, 7, 24884-24890. | 10.3 | 5 |
| 7 | The effect of Ag alloying of Cu ₂ (Zn,Cd)SnS ₄ on the monograin powder properties and solar cell performance. Journal of Materials Chemistry A, 2019, 7, 24281-24291. | 10.3 | 31 |
| 8 | Cu(In,Ga)Se ₂ monograin powders with different Ga content for solar cells. Solar Energy, 2018, 176, 648-655. | 6.1 | 10 |
| 9 | Study of Cu ₂ CdGeSe ₄ monograin powders synthesized by molten salt method for photovoltaic applications. Thin Solid Films, 2018, 666, 15-19. | 1.8 | 21 |
| 10 | Reaction pathway to CZTSe formation in CdI ₂ . Journal of Thermal Analysis and Calorimetry, 2018, 134, 433-441. | 3.6 | 4 |
| 11 | Modification of the optoelectronic properties of Cu ₂ CdSnS ₄ through low-temperature annealing. Journal of Alloys and Compounds, 2017, 723, 820-825. | 5.5 | 18 |
| 12 | Influence of order-disorder in Cu ₂ ZnSnS ₄ powders on the performance of monograin layer solar cells. Thin Solid Films, 2017, 633, 122-126. | 1.8 | 22 |
| 13 | Comparative study of SnS recrystallization in molten CdI ₂ , SnCl ₂ and KI. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 8-12. | 0.8 | 14 |
| 14 | Compositionally tunable structure and optical properties of Cu _{1.85} (Cd x Zn ^{1-x}) _{1.1} SnS _{4.1} (0 ≤ x ≤ 1) monograin powders. Thin Solid Films, 2015, 582, 180-183. | 1.8 | 50 |
| 15 | Impact of Cu ₂ ZnSn(SexS ^{1-x}) ₄ (x=0.3) compositional ratios on the monograin powder properties and solar cells. Thin Solid Films, 2013, 535, 35-38. | 1.8 | 14 |
| 16 | Post-growth annealing effect on the performance of Cu ₂ ZnSnSe ₄ monograin layer solar cells. Thin Solid Films, 2013, 535, 18-21. | 1.8 | 11 |
| 17 | Synthesis and characterisation of Cu ₂ ZnSnSe ₄ thin films prepared via a vacuum evaporation-based route. Thin Solid Films, 2013, 535, 48-51. | 1.8 | 17 |
| 18 | Effects of sulphur and tin disulphide vapour treatments of Cu ₂ ZnSnS(Se) ₄ absorber materials for monograin solar cells. Energy Procedia, 2011, 10, 197-202. | 1.8 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Synthesis of Cu ₂ ZnSnS ₄ monograin powders with different compositions. Energy Procedia, 2011, 10, 203-207. | 1.8 | 40 |
| 20 | Sulfur-containing Cu ₂ ZnSnSe ₄ monograin powders for solar cells. Solar Energy Materials and Solar Cells, 2010, 94, 1889-1892. | 6.2 | 60 |
| 21 | Cu-In and Cu-Zn-Sn Films as Precursors for Production of CuInSe ₂ and Cu ₂ ZnSnSe ₄ Thin Films. Materials Research Society Symposia Proceedings, 2009, 1165, 1. | 0.1 | 1 |