

Towards low-cost, environmentally friendly printed ch

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Phase-dependent photocatalytic H ₂ evolution of copper zinc tin sulfide under visible light. Chemical Communications, 2014, 50, 12726-12729.	4.1	28
2	Solution-deposited CuIn(S,Se) ₂ absorber layers from metal chalcogenides. , 2015, , .		0
4	An efficient descriptor model for designing materials for solar cells. Npj Computational Materials, 2015, 1, .	8.7	39
6	Preparation of a CuInS ₂ Nanoparticle Ink and Application in a Selenization-Free, Solution-Processed Superstrate Solar Cell. European Journal of Inorganic Chemistry, 2015, 2015, 5793-5800.	2.0	14
7	Low-temperature and hysteresis-free electron-transporting layers for efficient, regular, and planar structure perovskite solar cells. Advanced Energy Materials, 2015, 5, 1501056.	19.5	69
8	A comprehensive study on the mechanism behind formation and depletion of Cu ₂ ZnSnS ₄ (CZTS) phases. CrystEngComm, 2015, 17, 6972-6984.	2.6	37
9	Ternary and quaternary wurtzite-type oxide semiconductors: new materials and their properties. , 2015, , .		0
10	Colloidal synthesis of zincblende Cu ₃ InZnSnS ₆ nanocrystals and their optical property. Materials Letters, 2015, 157, 131-134.	2.6	5
11	Formation of porous SnS nanoplate networks from solution and their application in hybrid solar cells. Chemical Communications, 2015, 51, 10198-10201.	4.1	41
12	Facile Preparation of Molybdenum Bronzes as an Efficient Hole Extraction Layer in Organic Photovoltaics. ACS Applied Materials & Interfaces, 2015, 7, 13590-13596.	8.0	15
13	A facile one-step method to reduce surface impurities in solution-processed CuInS ₂ nanocrystal solar cells. Journal of Materials Chemistry A, 2015, 3, 14116-14120.	10.3	7
14	Kesterite Cu ₂ ZnSnS ₄ as a Low-Cost Inorganic Hole-Transporting Material for High-Efficiency Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 28466-28473.	8.0	147
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17	Growth and characterization of CuInS ₂ nanoparticles prepared using sonochemical synthesis. Journal of the Taiwan Institute of Chemical Engineers, 2015, 48, 87-94.	5.3	14
18	Scalable synthesis of CuInS ₂ nanocrystal inks for photovoltaic applications. Journal of Materials Chemistry A, 2015, 3, 4470-4476.	10.3	15
19	A Universal Interface Layer Based on an Amine-Functionalized Fullerene Derivative with Dual Functionality for Efficient Solution Processed Organic and Perovskite Solar Cells. Advanced Energy Materials, 2015, 5, 1401692.	19.5	144
21	Assessing the Use of BiCuOS for Photovoltaic Application: From DFT to Macroscopic Simulation. Journal of Physical Chemistry C, 2015, 119, 17585-17595.	3.1	31

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23	Wurtzite-derived ternary In ₂ O ₃ semiconductors. Science and Technology of Advanced Materials, 2015, 16, 024902.	6.1	23
24	Elucidating the Excited-State Properties of CuInS ₂ Nanocrystals upon Phase Transformation: Quasi-Quantum Dots Versus Bulk Behavior. Advanced Electronic Materials, 2015, 1, 1500040.	5.1	5
25	A Nonvacuum Approach for Fabrication of Cu ₂ ZnSnSe ₄ /In ₂ S ₃ Thin Film Solar Cell and Optoelectronic Characterization. Journal of Physical Chemistry C, 2015, 119, 12226-12235.	3.1	76
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27	Flow-enhanced solution printing of all-polymer solar cells. Nature Communications, 2015, 6, 7955.	12.8	221
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39	Impact of Minor Phases on the Performances of CZTSSe Thin-Film Solar Cells. Chemistry of Materials, 2016, 28, 3540-3563.	6.7	112

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41	11.3% efficiency Cu(In,Ga)(S,Se) ₂ thin film solar cells via drop-on-demand inkjet printing. Energy and Environmental Science, 2016, 9, 2037-2043.	30.8	71
42	Synthesis of ligand-free CZTS nanoparticles via a facile hot injection route. Nanotechnology, 2016, 27, 185603.	2.6	17
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