

Low band gap liquid-processed CZTSe solar cell with 10

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Citation Report

#	ARTICLE	IF	CITATIONS
1	K ⁺ kesterite thin films for photovoltaics : a review. EPJ Photovoltaics, 2012, 3, 35004.	0.8	175
2	Synthesis of Pure Metastable Wurtzite CZTS Nanocrystals by Facile One-Pot Method. Journal of Physical Chemistry C, 2012, 116, 26507-26516.	1.5	177
3	Phase Stability of the Earth-Abundant Tin Sulfides SnS, SnS ₂ , and Sn ₂ S ₃ . Journal of Physical Chemistry C, 2012, 116, 24262-24267.	1.5	201
4	CsHgInS ₃ : a New Quaternary Semiconductor for $\hat{\Gamma}$ ³ -ray Detection. Chemistry of Materials, 2012, 24, 4434-4441.	3.2	56
5	A general strategy for synthesis of quaternary semiconductor Cu ₂ MSnS ₄ (M = Co ²⁺ , Fe ²⁺ , Ni ²⁺ , Mn ²⁺) nanocrystals. Journal of Materials Chemistry, 2012, 22, 23136.	6.7	178
6	Kesterite successes, ongoing work, and challenges: A perspective from vacuum deposition. , 2012, , .		4
7	Investigation of Se supply for the growth of Cu ₂ ZnSn(S _x Se ^{1-x}) ₄ (x ^{0.02} ~ ^{0.05}) thin films for photovoltaics. Applied Surface Science, 2012, 258, 7844-7848.	3.1	19
8	A Novel and Versatile Strategy to Prepare Metal-Organic Molecular Precursor Solutions and Its Application in Cu(In,Ga)(S,Se) ₂ Solar Cells. Chemistry of Materials, 2012, 24, 3993-3997.	3.2	115
9	Novel Solution Processing of High-Efficiency Earth-Abundant Cu ₂ ZnSn(S,Se) ₄ Solar Cells. Advanced Materials, 2012, 24, 6323-6329.	11.1	192
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11	Electronically active defects in the Cu ₂ ZnSn(Se,S) ₄ alloys as revealed by transient photocapacitance spectroscopy. Applied Physics Letters, 2012, 101, 142106.	1.5	48
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13	Hydrazine-Processed Ge-Substituted CZTSe Solar Cells. Chemistry of Materials, 2012, 24, 4588-4593.	3.2	165
14	Abundance of Cu ₂ ZnSn and 2CuZnSn defect clusters in kesterite solar cells. Applied Physics Letters, 2012, 101, .	1.5	178
15	One-step solution-based synthesis and characterization of kuramite Cu ₃ SnS ₄ nanocrystals. RSC Advances, 2012, 2, 9798.	1.7	42
16	Control of an interfacial MoSe ₂ layer in Cu ₂ ZnSnSe ₄ thin film solar cells: 8.9% power conversion efficiency with a TiN diffusion barrier. Applied Physics Letters, 2012, 101, 053903.	1.5	292
17	Photovoltaics literature survey (No. 95). Progress in Photovoltaics: Research and Applications, 2012, 20, 615-617.	4.4	1
18	Solution-based synthesis of wurtzite Cu ₂ ZnSnS ₄ nanoleaves introduced by $\hat{\Gamma}$ -Cu ₂ S nanocrystals as a catalyst. Nanoscale, 2013, 5, 8114.	2.8	24

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21	Facile synthesis of Cu ₂ CoSnS ₄ nanoparticles exhibiting red-edge-effect: Application in hybrid photonic devices. Journal of Applied Physics, 2013, 114, .	1.1	61
22	Minority carrier diffusion length extraction in Cu ₂ ZnSn(S _e S) ₄ solar cells. Journal of Applied Physics, 2013, 114, 114511.	1.1	91
23	Kesterite Successes, Ongoing Work, and Challenges: A Perspective From Vacuum Deposition. IEEE Journal of Photovoltaics, 2013, 3, 439-445.	1.5	78
24	Lattice positions of Sn in Cu ₂ ZnSnS ₄ nanoparticles and thin films studied by synchrotron X-ray absorption near edge structure analysis. Applied Physics Letters, 2013, 102, .	1.5	18
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29	Growth and characterization of Cu ₂ ZnSnSe ₄ thin films by a two-stage process. Solar Energy Materials and Solar Cells, 2013, 115, 181-188.	3.0	23
30	Influence of S/Se ratio on series resistance and on dominant recombination pathway in Cu ₂ ZnSn(SSe) ₄ thin film solar cells. Thin Solid Films, 2013, 535, 291-295.	0.8	80
31	Continuous flow mesofluidic synthesis of Cu ₂ ZnSnS ₄ nanoparticle inks. Materials Letters, 2013, 107, 214-217.	1.3	10
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39	Cu out-diffusion in kesterites: A transmission electron microscopy specimen preparation artifact. Applied Physics Letters, 2013, 102, .	0.8	98
40	The Role of Sulfur in Solution-Processed Cu ₂ ZnSn(S,Se) ₄ and its Effect on Defect Properties. Advanced Functional Materials, 2013, 23, 1466-1471.	1.5	22
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48	Non-vacuum processed next generation thin film photovoltaics: Towards marketable efficiency and production of CZTS based solar cells. Solar Energy, 2013, 94, 37-70.	4.0	83
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50	Inhibiting the absorber/Mo-back contact decomposition reaction in Cu ₂ ZnSnSe ₄ solar cells: the role of a ZnO intermediate nanolayer. Journal of Materials Chemistry A, 2013, 1, 8338.	2.9	41
51	Prospects and performance limitations for Cu-Zn-Sn-Se photovoltaic technology. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20110432.	5.2	151
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62	Synthesis and characterization of CZTSe nanoinks using polyetheramine as solvent. Optical Materials Express, 2014, 4, 1593.	1.6	6
63	Thin-film Photovoltaics Based on Earth-abundant Materials. RSC Energy and Environment Series, 2014, , 118-185.	0.2	4
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