

Jiaxiong Xu

List of Publications by Year in descending order

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27
papers

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citations

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27
all docs

27
docs citations

27
times ranked

275
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on the performances of SnS heterojunctions by numerical analysis. Energy Conversion and Management, 2014, 78, 260-265.	4.4	37
2	Fabrication of Cu ₂ ZnSnS ₄ thin films by microwave assisted sol-gel method. Superlattices and Microstructures, 2019, 126, 83-88.	1.4	19
3	Preparations of Cu ₂ ZnSnS ₄ thin films and Cu ₂ ZnSnS ₄ /Si heterojunctions on silicon substrates by sputtering. Optik, 2016, 127, 1567-1571.	1.4	18
4	Analysis of the open-circuit voltage of Cu ₂ ZnSn(S, Se) ₄ thin film solar cell. Solar Energy, 2018, 164, 231-242.	2.9	18
5	Characterization of Cu ₂ ZnSnS ₄ thin films on flexible metal foil substrates. Journal of Materials Science: Materials in Electronics, 2015, 26, 726-733.	1.1	16
6	Fabrication of Cu ₂ ZnSnS ₄ thin films on flexible polyimide substrates by sputtering and post-sulfurization. Journal of Renewable and Sustainable Energy, 2014, 6, 053110.	0.8	15
7	Numerical analysis of the effect of MoS ₂ interface layers on copper-zinc-tin-sulfur thin film solar cells. Optik, 2020, 201, 163496.	1.4	14
8	Fabrication of Ag and Mn Co-Doped Cu ₂ ZnSnS ₄ Thin Film. Nanomaterials, 2019, 9, 1520.	1.9	12
9	Effects of copper content on properties of CZTS thin films grown on flexible substrate. Superlattices and Microstructures, 2016, 100, 1283-1290.	1.4	11
10	Investigation of Cu ₂ ZnSnS ₄ thin-film solar cells with carrier concentration gradient. Journal of Physics and Chemistry of Solids, 2016, 98, 32-37.	1.9	11
11	Photovoltaic characteristics of a-Si/FeSi ₂ /c-Si double heterojunction fabricated by magnetron sputtering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2011, 29, .	0.9	10
12	Growth of FeSi ₂ thin film on textured silicon substrate for solar cell application. Applied Surface Science, 2011, 257, 10168-10171.	3.1	9
13	Fabrications of SnS thin films and SnS-based heterojunctions on flexible polyimide substrates. Journal of Materials Science: Materials in Electronics, 2014, 25, 3028-3033.	1.1	9
14	Influence of pre-sulfurization temperature on properties of Cu ₂ ZnSnS ₄ thin film in two-step sulfurization process. Journal of Renewable and Sustainable Energy, 2019, 11, .	0.8	7
15	Study on the role of Mn in Ag and Mn co-doped Cu ₂ ZnSnS ₄ thin films. Materials Science in Semiconductor Processing, 2021, 129, 105787.	1.9	7
16	Effects of band offset and doping concentration on the photovoltaic properties of n-Cu ₂ FeSi ₂ /p-Si and p-Cu ₂ FeSi ₂ /n-Si heterojunction solar cells. Surface and Interface Analysis, 2014, 46, 248-253.	1.0	6
17	Fabrication of Cu ₂ Zn(Sn,Si) ₄ thin films using a two-step method for solar cell applications. Electronic Materials Letters, 2016, 12, 761-767.	1.0	6
18	Improved photovoltaic properties of a-Si/FeSi ₂ /c-Si double heterojunction by Al-doping. Physica B: Condensed Matter, 2012, 407, 756-758.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Study of interface properties between Cu ₂ ZnSnS ₄ thin films and metal substrates. <i>Ceramics International</i> , 2020, 46, 218-226.	2.3	5
20	Effect of sulfur powder mass on the formation of MoS ₂ interface layer between Cu ₂ ZnSnS ₄ thin film and Mo foil. <i>Superlattices and Microstructures</i> , 2020, 147, 106724.	1.4	4
21	Effect of periodic precursor on sulfurization process of Cu ₂ ZnSnS ₄ thin film. <i>Ceramics International</i> , 2018, 44, 20877-20882.	2.3	3
22	Influences of selenization temperature on the properties of CZTSSe thin films and CZTSSe/Mo interfaces. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 28373-28381.	1.1	3
23	Inhibiting the formation of MoS ₂ between Cu ₂ ZnSnS ₄ thin film and Mo(211) foil substrate by inserting a Mo(110) intermediate layer. <i>Optical Materials</i> , 2022, 124, 111996.	1.7	2
24	Effect of Si/Fe ratio on the boron and phosphorus doping efficiency of $\hat{\Gamma}^2$ -FeSi ₂ by magnetron sputtering. <i>Thin Solid Films</i> , 2011, 520, 515-518.	0.8	1
25	Study on the n- $\hat{\Gamma}^2$ -FeSi ₂ /p-Si solar cells under different illuminated directions. <i>Optik</i> , 2014, 125, 7002-7006.	1.4	1
26	Effect of Substrate Bias on the Structural and Electrical Properties of Sputtered Mo Thin Films on Flexible Substrates. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2016, 14, 20-23.	0.7	1
27	Investigation of the properties of CZTS/FTO interface. <i>Optical Materials</i> , 2021, 115, 111034.	1.7	1