Feng Jiang

List of Publications by Year
in descending order

39 papers	1,399 citations	394421 19 h-index	330143 37 g-index
39 all docs	39 docs citations	39 times ranked	1743 citing authors

#	Article	IF	Citations
1	A GeSe micro air brick crystal-based film for the sunlight photodegradation of dye-polluted waters. CrystEngComm, 2021, 23, 762-768.	2.6	5
2	Kesterite Cu2ZnSnS4 thin-film solar water-splitting photovoltaics for solar seawater desalination. Cell Reports Physical Science, 2021, 2, 100468.	5.6	3
3	Wittichenite semiconductor of Cu3BiS3 films for efficient hydrogen evolution from solar driven photoelectrochemical water splitting. Nature Communications, 2021, 12, 3795.	12.8	48
4	CdxZn1-xS/Sb2Se3 thin film photocathode for efficient solar water splitting. Applied Catalysis B: Environmental, 2021, 286, 119872.	20.2	37
5	Efficient carrier transfer route via the bridge of C60 particle to TiO2 nanoball based coverage layer enables stable and efficient cadmium free GeSe photocathode for solar hydrogen evolution. Applied Catalysis B: Environmental, 2021, 297, 120437.	20.2	19
6	3.17% efficient Cu₂ZnSnS₄â€“BiVO₄ integrated tandem cell for standalone overall solar water splitting. Energy and Environmental Science, 2021, 14, 1480-1489.	30.8	74
7	MoSx-CdS/Cu2ZnSnS4-based thin film photocathode for solar hydrogen evolution from water. Applied Catalysis B: Environmental, 2020, 268, 118438.	20.2	41
8	Threeâ€Dimensional GeSe Microstructured Air Brick Photocathode for Advanced Solar Water Splitting. Solar Rrl, 2020, 4, 2070055.	5.8	1
9	Photocathode-assisted redox flow desalination. Green Chemistry, 2020, 22, 4133-4139.	9.0	29
10	Rapid thermal deposited GeSe nanowires as a promising anode material for lithium-ion and sodium-ion batteries. Journal of Colloid and Interface Science, 2020, 571, 387-397.	9.4	14
11	Near-infrared-driven water splitting for hydrogen evolution using a Cu2ZnSnS4-based photocathode by the application of upconversion nanoparticles. Sustainable Energy and Fuels, 2020, 4, 2669-2674.	4.9	8
12	Threeâ€Dimensional GeSe Microstructured Air Brick Photocathode for Advanced Solar Water Splitting. Solar Rrl, 2020, 4, 1900559.	5.8	10
13	Surface plasmon resonance effect of a Pt-nano-particles-modified TiO2 nanoball overlayer enables a significant enhancement in efficiency to 3.5% for a Cu2ZnSnS4-based thin film photocathode used for solar water splitting. Chemical Engineering Journal, 2020, 396, 125264.	12.7	18
14	Promising GeSe Nanosheet-Based Thin-Film Photocathode for Efficient and Stable Overall Solar Water Splitting. ACS Catalysis, 2019, 9, 3090-3097.	11.2	48
15	Environmentally friendly Cu2ZnSnS4-based photocathode modified with a ZnS protection layer for efficient solar water splitting. Journal of Colloid and Interface Science, 2019, 536, 9-16.	9.4	28
16	Coâ€Electrodeposited Cu₂ZnSnS₄ Thin Film Solar Cell and Cu₂ZnSnS₄ Solar Cell â€“ BiVO₄ Tandem Device for Unbiased Solar Water Splitting. Solar Rrl, 2018, 2, 1700205.	5.8	19
17	Over 1% Efficient Unbiased Stable Solar Water Splitting Based on a Sprayed Cu₂ZnSnS₄ Photocathode Protected by a HfO₂ Photocorrosion-Resistant Film. ACS Energy Letters, 2018, 3, 1875-1881.	17.4	82
18	Effect of Indium Doping on Surface Optoelectrical Properties of Cu₂ZnSnS₄ Photoabsorber and Interfacial/Photovoltaic Performance of Cadmium Free In₂S₃/Cu₂ZnSnS₄ Heterojunction Thin Film Solar Cell. Chemistry of Materials, 2016, 28, 3283-3291.	6.7	45

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19	Impact of alloying duration of an electrodeposited Cu/Sn/Zn metallic stack on properties of Cu₂ZnSnS₄ absorbers for thinâ€film solar cells. Progress in Photovoltaics: Research and Applications, 2015, 23, 1884-1895.	8.1	38
20	Pt/In₂S₃/CdS/Cu₂ZnSnS₄ Thin Film as an Efficient and Stable Photocathode for Water Reduction under Sunlight Radiation. Journal of the American Chemical Society, 2015, 137, 13691-13697.	13.7	262
21	Cu₂ZnSnS₄thin film solar cells with 5.8% conversion efficiency obtained by a facile spray pyrolysis technique. RSC Advances, 2015, 5, 77565-77571.	3.6	58
22	Effect of the thickness on the optoelectronic properties of SnS films and photovoltaic performance of SnS/i-a-Si/n-a-Si solar cells. Applied Physics A: Materials Science and Processing, 2014, 117, 2167-2173.	2.3	5
23	Pure Sulfide Cu₂ZnSnS₄ Thin Film Solar Cells Fabricated by Preheating an Electrodeposited Metallic Stack. Advanced Energy Materials, 2014, 4, 1301381.	19.5	144
24	Fabrication of an efficient electrodeposited Cu2ZnSnS4-based solar cells with more than 6% conversion efficiency using a sprayed Ga-doped ZnO window layer. RSC Advances, 2014, 4, 24351-24355.	3.6	9
25	Low-cost chemical fabrication of Cu2ZnSnS4 microparticles and film. Journal of Materials Science: Materials in Electronics, 2013, 24, 1813-1817.	2.2	15
26	Formation of Photoconductive SnS Thin Films through Reaction of Sn-Metal Films in Sulfur-Vapor. ECS Journal of Solid State Science and Technology, 2013, 2, P478-P484.	1.8	15
27	Research on the photoresponse current and photosensitive properties of Cu2ZnSnS4 thin film prepared by sulfurization of a sputtered metal precursor. RSC Advances, 2013, 3, 23474.	3.6	8
28	Fabrication and photovoltaic properties of Cu2ZnSnS4/i-a-Si/n-a-Si thin film solar cells. Applied Surface Science, 2013, 280, 138-143.	6.1	17
29	Effect of emitter layer doping concentration on the performance of a silicon thin film heterojunction solar cell. Chinese Physics B, 2013, 22, 016803.	1.4	7
30	Preparation of SnS Film by Sulfurization and SnS/a-Si Heterojunction Solar Cells. Journal of the Electrochemical Society, 2012, 159, H235-H238.	2.9	38
31	Preparation and Optoelectronic Properties of Cu₂ZnSnS₄Film. Journal of the Electrochemical Society, 2012, 159, H565-H569.	2.9	17
32	Preparation of Cu2ZnSnS4 film by sulfurizing solution deposited precursors. Applied Surface Science, 2012, 261, 189-192.	6.1	24
33	Polycrystalline silicon films fabricated by rapid thermal annealing. Journal of Materials Science: Materials in Electronics, 2012, 23, 1279-1283.	2.2	3
34	Optical and Electrical Properties of Cu2ZnSnS4 Film Prepared by Sulfurization Method. Journal of Electronic Materials, 2012, 41, 2204-2209.	2.2	26
35	Preparation and properties of SnS film grown by two-stage process. Applied Surface Science, 2011, 257, 4901-4905.	6.1	51
36	Preparation and Properties of Cu2ZnSnS4Absorber and Cu2ZnSnS4/Amorphous Silicon Thin-Film Solar Cell. Applied Physics Express, 2011, 4, 074101.	2.4	39

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37	Preparation and properties of AZO thin films on different substrates. Progress in Natural Science: Materials International, 2010, 20, 44-48.	4.4	73
38	Preparation and the growth mechanism of zinc blende structure tin sulfide films by successive ionic layer adsorption and reaction. Journal of Crystal Growth, 2010, 312, 3009-3013.	1.5	11
39	The enhanced conductivity of AZO thin films on soda lime glass with an ultrathin Al2O3 buffer layer. Physica B: Condensed Matter, 2010, 405, 3320-3323.	2.7	10