

# Shengli Zhang

## List of Publications by Year in descending order

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22  
papers

769  
citations

933447

10  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1314  
citing authors

#	ARTICLE	IF	CITATIONS
1	Al-doped ZnO thin films with excellent optoelectronic properties prepared using H <sub>2</sub> -assisted reactive magnetron sputtering at low temperatures for potential application in photovoltaic devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 10267-10277.	2.2	1
2	Tuning the Work Function of the Metal Back Contact toward Efficient Cu <sub>2</sub> ZnSnSe <sub>4</sub> Solar Cells. <i>Solar Rrl</i> , 2021, 5, .	5.8	13
3	Oxygen Promotes the Formation of MoSe <sub>2</sub> at the Interface of Cu <sub>2</sub> ZnSnSe <sub>4</sub> /Mo. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4447-4452.	4.6	8
4	Band alignment tuning at Mo/CZTS back contact interface through surface oxidation states control of Mo substrate. <i>Solar Energy Materials and Solar Cells</i> , 2021, 229, 111141.	6.2	9
5	An efficient Li <sup>+</sup> -doping strategy to optimize the band alignment of a Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> /CdS interface by a Se&LiF co-selenization process. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22065-22074.	10.3	51
6	Efficiency enhancement of Cu <sub>2</sub> ZnSnS <sub>4</sub> thin film solar cells by chromium doping. <i>Solar Energy Materials and Solar Cells</i> , 2019, 201, 110057.	6.2	18
7	Ultrathin Ni <sup>x</sup> Co <sub>x</sub> S <sub>2</sub> nanoflakes as high energy density electrode materials for asymmetric supercapacitors. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 2207-2216.	2.8	7
8	2D-3D Mixed Organic-Inorganic Perovskite Layers for Solar Cells with Enhanced Efficiency and Stability Induced by n-Propylammonium Iodide Additives. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 29753-29764.	8.0	83
9	UV-ozone induced surface passivation to enhance the performance of Cu <sub>2</sub> ZnSnS <sub>4</sub> solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2019, 200, 109892.	6.2	13
10	Tailoring Crystal Structure of FA <sub>0.83</sub> Cs <sub>0.17</sub> PbI <sub>3</sub> Perovskite Through Guanidinium Doping for Enhanced Performance and Tunable Hysteresis of Planar Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1806479.	14.9	87
11	A Precursor Stacking Strategy to Boost Open-Circuit Voltage of Cu <sub>2</sub> ZnSnS <sub>4</sub> Thin-Film Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 856-863.	2.5	13
12	Binary NiCu layered double hydroxide nanosheets for enhanced energy storage performance as supercapacitor electrode. <i>Science China Materials</i> , 2018, 61, 296-302.	6.3	30
13	Thermal effect on CZTS solar cells in different process of ZnO/ITO window layer fabrication. <i>Sustainable Materials and Technologies</i> , 2018, 18, e00078.	3.3	10
14	2-Methylimidazole-Derived Ni-Co Layered Double Hydroxide Nanosheets as High Rate Capability and High Energy Density Storage Material in Hybrid Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 15510-15524.	8.0	374
15	Effect of different thermo-treatment at relatively low temperatures on the properties of indium-tin-oxide thin films. <i>Thin Solid Films</i> , 2017, 636, 702-709.	1.8	16
16	Morphology evolution and stability of Cu <sub>2</sub> ZnSnS <sub>4</sub> nanocrystals in sodium halides salt solution. <i>Thin Solid Films</i> , 2016, 615, 305-310.	1.8	4
17	Bias-dependent conductive characteristics of individual GeSi quantum dots studied by conductive atomic force microscopy. <i>Nanotechnology</i> , 2011, 22, 095708.	2.6	7
18	Electrical properties of individual self-assembled GeSi quantum rings. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	5

#	ARTICLE	IF	CITATIONS
19	Van der Pauw Hall Measurement on Intended Doped ZnO Films for p-Type Conductivity. Chinese Physics Letters, 2010, 27, 067203.	3.3	6
20	Conductive atomic force microscopy studies on the transformation of GeSi quantum dots to quantum rings. Nanotechnology, 2009, 20, 135703.	2.6	12
21	Transient Hole Trapping in Individual GeSi Quantum Dot Crown on Si(001) Studied by Conductive Atomic Force Microscopy. Chinese Physics Letters, 2008, 25, 4360-4363.	3.3	1
22	Optimization of Zn 1â€“ x Sn x O Buffer Layer for Application in CZTSe Solar Cells with H 2 â€Assisted Reactive Sputtering. Physica Status Solidi (A) Applications and Materials Science, 0, , 2100585.	1.8	1