# Shengli Zhang

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 22 papers | 769 citations | 933447<br>10 h-index | 713466<br>21 g-index |
| 23 all docs | 23 docs citations | 23 times ranked | 1314 citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 1 | 2-Methylimidazole-Derived Niâ€"Co Layered Double Hydroxide Nanosheets as High Rate Capability and High Energy Density Storage Material in Hybrid Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 15510-15524. | 8.0 | 374 |
| 2 | 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. Advanced Functional Materials, 2019, 29, 1806479. | 14.9 | 87 |
| 3 | 2Dâ€"3D Mixed Organicâ€"Inorganic Perovskite Layers for Solar Cells with Enhanced Efficiency and Stability Induced by <i>n</i>-Propylammonium Iodide Additives. ACS Applied Materials & Interfaces, 2019, 11, 29753-29764. | 8.0 | 83 |
| 4 | 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. Journal of Materials Chemistry A, 2020, 8, 22065-22074. | 10.3 | 51 |
| 5 | Binary NiCu layered double hydroxide nanosheets for enhanced energy storage performance as supercapacitor electrode. Science China Materials, 2018, 61, 296-302. | 6.3 | 30 |
| 6 | Efficiency enhancement of Cu2ZnSnS4 thin film solar cells by chromium doping. Solar Energy Materials and Solar Cells, 2019, 201, 110057. | 6.2 | 18 |
| 7 | Effect of different thermo-treatment at relatively low temperatures on the properties of indiumâ€'tin-oxide thin films. Thin Solid Films, 2017, 636, 702-709. | 1.8 | 16 |
| 8 | A Precursor Stacking Strategy to Boost Open-Circuit Voltage of Cu<sub>2</sub>ZnSnS<sub>4</sub>Thin-Film Solar Cells. IEEE Journal of Photovoltaics, 2018, 8, 856-863. | 2.5 | 13 |
| 9 | UV-ozone induced surface passivation to enhance the performance of Cu2ZnSnS4 solar cells. Solar Energy Materials and Solar Cells, 2019, 200, 109892. | 6.2 | 13 |
| 10 | Tuning the Work Function of the Metal Back Contact toward Efficient Cu<sub>2</sub>ZnSnSe<sub>4</sub> Solar Cells. Solar Rrl, 2021, 5, . | 5.8 | 13 |
| 11 | Conductive atomic force microscopy studies on the transformation of GeSi quantum dots to quantum rings. Nanotechnology, 2009, 20, 135703. | 2.6 | 12 |
| 12 | Thermal effect on CZTS solar cells in different process of ZnO/ITO window layer fabrication. Sustainable Materials and Technologies, 2018, 18, e00078. | 3.3 | 10 |
| 13 | Band alignment tuning at Mo/CZTS back contact interface through surface oxidation states control of Mo substrate. Solar Energy Materials and Solar Cells, 2021, 229, 111141. | 6.2 | 9 |
| 14 | Oxygen Promotes the Formation of MoSe<sub>2</sub> at the Interface of Cu<sub>2</sub>ZnSnSe<sub>4</sub>/Mo. Journal of Physical Chemistry Letters, 2021, 12, 4447-4452. | 4.6 | 8 |
| 15 | Bias-dependent conductive characteristics of individual GeSi quantum dots studied by conductive atomic force microscopy. Nanotechnology, 2011, 22, 095708. | 2.6 | 7 |
| 16 | Ultrathin Ni<sub>1âˆ'</sub><i><sub>x</sub></i>Co<i><sub>x</sub></i>S<sub>2</sub> nanoflakes as high energy density electrode materials for asymmetric supercapacitors. Beilstein Journal of Nanotechnology, 2019, 10, 2207-2216. | 2.8 | 7 |
| 17 | Van der Pauw Hall Measurement on Intended Doped ZnO Films for p-Type Conductivity. Chinese Physics Letters, 2010, 27, 067203. | 3.3 | 6 |
| 18 | Electrical properties of individual self-assembled GeSi quantum rings. Journal of Applied Physics, 2011, 110, . | 2.5 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Morphology evolution and stability of Cu2ZnSnS4 nanocrystals in sodium halides salt solution. Thin Solid Films, 2016, 615, 305-310. | 1.8 | 4 |
| 20 | Transient Hole Trapping in Individual GeSi Quantum Dot Grown on Si(001) Studied by Conductive Atomic Force Microscopy. Chinese Physics Letters, 2008, 25, 4360-4363. | 3.3 | 1 |
| 21 | 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 |
| 22 | Al-doped ZnO thin films with excellent optoelectronic properties prepared using H2-assisted reactive magnetron sputtering at low temperatures for potential application in photovoltaic devices. Journal of Materials Science: Materials in Electronics, 2022, 33, 10267-10277. | 2.2 | 1 |