Min-Lin Jiang

List of Publications by Year
in descending order

36	681	623734 14	552781 26
papers	citations	h-index	g-index

36	36	36	1087
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prediction of photovoltaic power output based on similar day analysis, genetic algorithm and extreme learning machine. Energy, 2020, 204, 117894.	8.8	143
2	Enhancing the performance of planar organo-lead halide perovskite solar cells by using a mixed halide source. Journal of Materials Chemistry A, 2015, 3, 963-967.	10.3	91
3	Cu₂ZnSnS₄ polycrystalline thin films with large densely packed grains prepared by sol-gel method. Journal of Photonics for Energy, 2011, 1, 019501.	1.3	55
4	Machine Learning (ML)â€Assisted Design and Fabrication for Solar Cells. Energy and Environmental Materials, 2019, 2, 280-291.	12.8	43
5	Visible Light-Driven Jellyfish-like Miniature Swimming Soft Robot. ACS Applied Materials & Interfaces, 2021, 13, 47147-47154.	8.0	36
6	Cu₂ZnSn(S_{1â€“x}Se_x)₄ thin film solar cells prepared by waterâ€based solution process. Physica Status Solidi - Rapid Research Letters, 2014, 8, 223-227.	2.4	34
7	Review on methods for improving the thermal and ambient stability of perovskite solar cells. Journal of Photonics for Energy, 2019, 9, 1.	1.3	32
8	Femtosecond Time-Resolved Fluorescence Study of TiO₂-Coated ZnO Nanorods/P3HT Photovoltaic Films. Journal of Physical Chemistry C, 2012, 116, 25248-25256.	3.1	27
9	Multi-functional transparent electrode for reliable flexible perovskite solar cells. Journal of Power Sources, 2019, 435, 226768.	7.8	23
10	Observation of lower defect density in CH3NH3Pb(I,Cl)3 solar cells by admittance spectroscopy. Applied Physics Letters, 2016, 108, .	3.3	22
11	Machine learning (ML)-assisted optimization doping of KI in MAPbI3 solar cells. Rare Metals, 2021, 40, 1698-1707.	7.1	21
12	Revealing the Working Mechanisms of Planar Perovskite Solar Cells With Cross-Sectional Surface Potential Profiling. IEEE Journal of Photovoltaics, 2018, 8, 125-131.	2.5	20
13	Accurate prediction of photovoltaic power output based on long shortâ€term memory network. IET Optoelectronics, 2020, 14, 399-405.	3.3	20
14	Impact of different Na-incorporating methods on Cu(In,Ga)Se_2 thin film solar cells with a low-Na substrate. Applied Optics, 2010, 49, 1662.	2.1	17
15	Observation of lower defect density brought by excess PbI2 in CH3NH3PbI3 solar cells. AIP Advances, 2019, 9, .	1.3	15
16	Quantitative estimation of mismatch losses in photovoltaic arrays under partial shading conditions. Optik, 2020, 203, 163950.	2.9	15
17	Characterization of intrinsic ZnO thin film deposited by sputtering and its effects on <inline-formula><math display="inline" overflow="scroll"><mrow><msub><mrow><mi>CuIn</mi></mrow><mrow><mn>1</mn Journal of Photonics for Energy, 2012, 2, 028502.	1.3	12
18	The application of Al₂TiO₅ at the TiO₂/perovskite interface to decrease carrier losses in solar cells. Journal of Materials Chemistry A, 2017, 5, 3691-3698.	10.3	10

#	Article	IF	Citations
19	Nanostructured solar cell based on solution processed Cu₂ZnSnS₄ nanoparticles and vertically aligned ZnO nanorod array. Physica Status Solidi - Rapid Research Letters, 2014, 8, 971-975.	2.4	9
20	Simulation and Experimental Study of Nanowire Assembly by Dielectrophoresis. IEEE Nanotechnology Magazine, 2014, 13, 517-526.	2.0	7
21	TVACPSO-assisted analysis of the effects of temperature and irradiance on the PV module performances. Energy, 2021, 227, 120390.	8.8	7
22	Simulation study of dielectrophoretic assembly of nanowire between electrode pairs. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	6
23	The characterization of defects states and charge injection barriers in perovskite solar cells. , 2017, , .		3
24	ZnO Nanorod Based Nanofluids. Journal of Nanofluids, 2013, 2, 63-68.	2.7	3
25	Effects of Se vapor annealing on water-based solution-processed Cu 2 ZnSn (S , Se) 4 thin-film solar cells. Journal of Photonics for Energy, 2015, 5, 053096.	1.3	2
26	Reconstruction of Kelvin probe force microscopy image with experimentally calibrated point spread function. Review of Scientific Instruments, 2017, 88, 033704.	1.3	2
27	Investigation of nonlinear optical properties of protonated mixed (porphyrinato)(phthalocyaninato) rare-earth(III) double-decker complexes by Z-scan technique. , 2011, , .		1
28	Theoretical and experimental study of dielectrophoretic force controlled nanowires assembly. , 2013, , .		1
29	Facile Hydrothermal Preparation of ZNO/CO₃O₄Heterogeneous Nanostructures and its Photovoltaic Effect. International Journal of Optomechatronics, 2015, 9, 211-220.	6.6	1
30	Study of annealing induced nanoscale morphology change in organic solar cells with machine learning. , 2016, , .		1
31	Fabrication, calibration, and recovery of chemical nanosensor array for ammonia detection. , 2017, , .		1
32	High stability planar perovskite solar cells with inorganic charge transport layers. Journal of Photonics for Energy, 2018, 8, 1.	1.3	1
33	Investigation of charge transfer in nanostructured hybrid solar cell using Kelvin Probe Force Microscopy. , 2013, , .		0
34	Facile hydrothermal synthesis of ZnO/Co3O4 heterogeneous nanostructures and its electric property. , 2014, , .		0
35	Performance improvement of organic solar cells with the introduction of branched zinc oxide nanorods. Micro and Nano Letters, 2015, 10, 292-295.	1.3	0
36	Highly efficient perovskite solar cells fabricated in high humidity using mixed antisolvent. Journal of Photonics for Energy, 2021, 11, .	1.3	0