

Min-Lin Jiang

List of Publications by Year in descending order

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36
times ranked

1087
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning (ML)-assisted optimization doping of KI in MAPbI ₃ solar cells. <i>Rare Metals</i> , 2021, 40, 1698-1707.	7.1	21
2	TVACPSO-assisted analysis of the effects of temperature and irradiance on the PV module performances. <i>Energy</i> , 2021, 227, 120390.	8.8	7
3	Visible Light-Driven Jellyfish-like Miniature Swimming Soft Robot. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47147-47154.	8.0	36
4	Highly efficient perovskite solar cells fabricated in high humidity using mixed antisolvent. <i>Journal of Photonics for Energy</i> , 2021, 11, .	1.3	0
5	Quantitative estimation of mismatch losses in photovoltaic arrays under partial shading conditions. <i>Optik</i> , 2020, 203, 163950.	2.9	15
6	Prediction of photovoltaic power output based on similar day analysis, genetic algorithm and extreme learning machine. <i>Energy</i> , 2020, 204, 117894.	8.8	143
7	Accurate prediction of photovoltaic power output based on long short-term memory network. <i>IET Optoelectronics</i> , 2020, 14, 399-405.	3.3	20
8	Observation of lower defect density brought by excess PbI ₂ in CH ₃ NH ₃ PbI ₃ solar cells. <i>AIP Advances</i> , 2019, 9, .	1.3	15
9	Machine Learning (ML)-Assisted Design and Fabrication for Solar Cells. <i>Energy and Environmental Materials</i> , 2019, 2, 280-291.	12.8	43
10	Multi-functional transparent electrode for reliable flexible perovskite solar cells. <i>Journal of Power Sources</i> , 2019, 435, 226768.	7.8	23
11	Review on methods for improving the thermal and ambient stability of perovskite solar cells. <i>Journal of Photonics for Energy</i> , 2019, 9, 1.	1.3	32
12	Revealing the Working Mechanisms of Planar Perovskite Solar Cells With Cross-Sectional Surface Potential Profiling. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 125-131.	2.5	20
13	High stability planar perovskite solar cells with inorganic charge transport layers. <i>Journal of Photonics for Energy</i> , 2018, 8, 1.	1.3	1
14	The application of Al ₂ TiO ₅ at the TiO ₂ /perovskite interface to decrease carrier losses in solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3691-3698.	10.3	10
15	Reconstruction of Kelvin probe force microscopy image with experimentally calibrated point spread function. <i>Review of Scientific Instruments</i> , 2017, 88, 033704.	1.3	2
16	The characterization of defects states and charge injection barriers in perovskite solar cells. , 2017, , .		3
17	Fabrication, calibration, and recovery of chemical nanosensor array for ammonia detection. , 2017, , .		1
18	Observation of lower defect density in CH ₃ NH ₃ Pb(I,Cl) ₃ solar cells by admittance spectroscopy. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	22

#	ARTICLE	IF	CITATIONS
19	Study of annealing induced nanoscale morphology change in organic solar cells with machine learning. , 2016, , .		1
20	Simulation study of dielectrophoretic assembly of nanowire between electrode pairs. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	6
21	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
22	Facile Hydrothermal Preparation of ZnO/CO ₃ O ₄ Heterogeneous Nanostructures and its Photovoltaic Effect. International Journal of Optomechatronics, 2015, 9, 211-220.	6.6	1
23	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
24	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
25	Nanostructured solar cell based on solution processed Cu ₂ ZnSn ₄ nanoparticles and vertically aligned ZnO nanorod array. Physica Status Solidi - Rapid Research Letters, 2014, 8, 971-975.	2.4	9
26	Facile hydrothermal synthesis of ZnO/Co ₃ O ₄ heterogeneous nanostructures and its electric property. , 2014, , .		0
27	Cu ₂ ZnSn(S _{1-x} Se _x) ₄ thin film solar cells prepared by water-based solution process. Physica Status Solidi - Rapid Research Letters, 2014, 8, 223-227.	2.4	34
28	Simulation and Experimental Study of Nanowire Assembly by Dielectrophoresis. IEEE Nanotechnology Magazine, 2014, 13, 517-526.	2.0	7
29	Investigation of charge transfer in nanostructured hybrid solar cell using Kelvin Probe Force Microscopy. , 2013, , .		0
30	Theoretical and experimental study of dielectrophoretic force controlled nanowires assembly. , 2013, , .		1
31	ZnO Nanorod Based Nanofluids. Journal of Nanofluids, 2013, 2, 63-68.	2.7	3
32	Characterization of intrinsic ZnO thin film deposited by sputtering and its effects on <math display="inline">CuIn</math> Journal of Photonics for Energy, 2012, 2, 028502.	1.3	12
33	Femtosecond Time-Resolved Fluorescence Study of TiO ₂ -Coated ZnO Nanorods/P3HT Photovoltaic Films. Journal of Physical Chemistry C, 2012, 116, 25248-25256.	3.1	27
34	Investigation of nonlinear optical properties of protonated mixed (porphyrinato)(phthalocyaninato) rare-earth(III) double-decker complexes by Z-scan technique. , 2011, , .		1
35	Cu ₂ ZnSn ₄ polycrystalline thin films with large densely packed grains prepared by sol-gel method. Journal of Photonics for Energy, 2011, 1, 019501.	1.3	55
36	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