

Jian Mao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1811385/publications.pdf>

Version: 2024-02-01

23
papers

1,913
citations

471061

17
h-index

676716

22
g-index

23
all docs

23
docs citations

23
times ranked

3557
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Solution-Processed Hyperfluorescent OLEDs with Spectrally Narrow Emission at 840 nm. <i>Advanced Functional Materials</i> , 2021, 31, .	7.8	46
2	Langmuir-Blodgett fabrication of large-area black phosphorus-C ₆₀ thin films and heterojunction photodetectors. <i>Nanoscale</i> , 2020, 12, 19814-19823.	2.8	17
3	Single-phase alkylammonium cesium lead iodide quasi-2D perovskites for color-tunable and spectrum-stable red LEDs. <i>Nanoscale</i> , 2019, 11, 16907-16918.	2.8	24
4	Low-Bandgap Methylammonium-Rubidium Cation Sn-Rich Perovskites for Efficient Ultraviolet-Visible-Near Infrared Photodetectors. <i>Advanced Functional Materials</i> , 2018, 28, 1706068.	7.8	70
5	Self-Assembled Quasi-3D Nanocomposite: A Novel p-Type Hole Transport Layer for High Performance Inverted Organic Solar Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1706403.	7.8	39
6	All-Perovskite Emission Architecture for White Light-Emitting Diodes. <i>ACS Nano</i> , 2018, 12, 10486-10492.	7.3	92
7	Improving the stability and performance of perovskite solar cells via off-the-shelf post-device ligand treatment. <i>Energy and Environmental Science</i> , 2018, 11, 2253-2262.	15.6	181
8	Novel Direct Nanopatterning Approach to Fabricate Periodically Nanostructured Perovskite for Optoelectronic Applications. <i>Advanced Functional Materials</i> , 2017, 27, 1606525.	7.8	101
9	Controllable Crystallization of CH ₃ NH ₃ Sn _{0.25} Pb _{0.75} I ₃ Perovskites for Hysteresis-Free Solar Cells with Efficiency Reaching 15.2%. <i>Advanced Functional Materials</i> , 2017, 27, 1605469.	7.8	84
10	Toward All Room-Temperature, Solution-Processed, High-Performance Planar Perovskite Solar Cells: A New Scheme of Pyridine-Promoted Perovskite Formation. <i>Advanced Materials</i> , 2017, 29, 1604695.	11.1	178
11	Pre- and post-treatments free nanocomposite based hole transport layer for high performance organic solar cells with considerably enhanced reproducibility. <i>Nano Energy</i> , 2017, 34, 76-85.	8.2	42
12	Perovskite Films: Toward All Room-Temperature, Solution-Processed, High-Performance Planar Perovskite Solar Cells: A New Scheme of Pyridine-Promoted Perovskite Formation (<i>Adv. Mater.</i> 13/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	4
13	Room temperature formation of organic-inorganic lead halide perovskites: design of nanostructured and highly reactive intermediates. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3599-3608.	5.2	48
14	Evolution of Diffusion Length and Trap State Induced by Chloride in Perovskite Solar Cell. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21248-21253.	1.5	64
15	Pinhole-Free and Surface-Nanostructured NiO _x Film by Room-Temperature Solution Process for High-Performance Flexible Perovskite Solar Cells with Good Stability and Reproducibility. <i>ACS Nano</i> , 2016, 10, 1503-1511.	7.3	477
16	Nanostructures: A Smooth CH ₃ NH ₃ PbI ₃ Film via a New Approach for Forming the PbI ₂ Nanostructure Together with Strategically High CH ₃ NH ₃ I Concentration for High Efficient Planar Heterojunction Solar Cells (<i>Adv. Energy Mater.</i> 23/2015). <i>Advanced Energy Materials</i> , 2015, 5, .	10.2	10
17	Optoelectronics: Locally Welded Silver Nano-Network Transparent Electrodes with High Operational Stability by a Simple Alcohol-Based Chemical Approach (<i>Adv. Funct. Mater.</i> 27/2015). <i>Advanced Functional Materials</i> , 2015, 25, 4174-4174.	7.8	3
18	Locally Welded Silver Nano-Network Transparent Electrodes with High Operational Stability by a Simple Alcohol-Based Chemical Approach. <i>Advanced Functional Materials</i> , 2015, 25, 4211-4218.	7.8	131

#	ARTICLE	IF	CITATIONS
19	A Smooth CH ₃ NH ₃ PbI ₃ Film via a New Approach for Forming the PbI ₂ Nanostructure Together with Strategically High CH ₃ NH ₃ I Concentration for High Efficient Planar Heterojunction Solar Cells. Advanced Energy Materials, 2015, 5, 1501354.	10.2	228
20	Formation of Cu ₂ ZnSnSe ₄ through direct selenization of metal oxides. Vacuum, 2015, 118, 137-141.	1.6	3
21	Smooth CH ₃ NH ₃ PbI ₃ from controlled solid-gas reaction for photovoltaic applications. RSC Advances, 2015, 5, 73760-73766.	1.7	17
22	Spiro-fluorene based 3D donor towards efficient organic photovoltaics. Chemical Communications, 2012, 48, 11847.	2.2	54
23	Solution-based and Microfabrication-free Approach to Form Ordered Nanostructured Perovskites for Photovoltaic and LED Applications. , 0, , .		0