

Dianyi Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1095077/publications.pdf>

Version: 2024-02-01

19
papers

5,121
citations

471061

17
h-index

794141

19
g-index

19
all docs

19
docs citations

19
times ranked

7958
citing authors

#	ARTICLE	IF	CITATIONS
1	Perovskite solar cells with a planar heterojunction structure prepared using room-temperature solution processing techniques. <i>Nature Photonics</i> , 2014, 8, 133-138.	15.6	2,425
2	Investigation of CH ₃ NH ₃ PbI ₃ Degradation Rates and Mechanisms in Controlled Humidity Environments Using <i>in Situ</i> Techniques. <i>ACS Nano</i> , 2015, 9, 1955-1963.	7.3	1,171
3	Compact Layer Free Perovskite Solar Cells with 13.5% Efficiency. <i>Journal of the American Chemical Society</i> , 2014, 136, 17116-17122.	6.6	407
4	Effect of CH ₃ NH ₃ PbI ₃ thickness on device efficiency in planar heterojunction perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19873-19881.	5.2	314
5	Solid-State, Polymer-Based Fiber Solar Cells with Carbon Nanotube Electrodes. <i>ACS Nano</i> , 2012, 6, 11027-11034.	7.3	132
6	Fatigue resistance of a flexible, efficient, and metal oxide-free perovskite solar cell. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9241-9248.	5.2	100
7	Porous, Platinum Nanoparticle-Adsorbed Carbon Nanotube Yarns for Efficient Fiber Solar Cells. <i>ACS Nano</i> , 2012, 6, 7191-7198.	7.3	84
8	Impact of Ultrathin C ₆₀ on Perovskite Photovoltaic Devices. <i>ACS Nano</i> , 2018, 12, 876-883.	7.3	80
9	Halide Perovskites for Selective Ultraviolet-Harvesting Transparent Photovoltaics. <i>Joule</i> , 2018, 2, 1827-1837.	11.7	80
10	Aqueous-Containing Precursor Solutions for Efficient Perovskite Solar Cells. <i>Advanced Science</i> , 2018, 5, 1700484.	5.6	66
11	Room Temperature Processing of Inorganic Perovskite Films to Enable Flexible Solar Cells. <i>IScience</i> , 2018, 6, 272-279.	1.9	44
12	Understanding the impact of C ₆₀ at the interface of perovskite solar cells via drift-diffusion modeling. <i>AIP Advances</i> , 2019, 9, .	0.6	42
13	Single-layer graphene sheets as counter electrodes for fiber-shaped polymer solar cells. <i>RSC Advances</i> , 2013, 3, 13720.	1.7	40
14	Impact of Stokes Shift on the Performance of Near-Infrared Harvesting Transparent Luminescent Solar Concentrators. <i>Scientific Reports</i> , 2018, 8, 16359.	1.6	40
15	A novel luminescent chemosensor for detecting Hg ²⁺ based on the pendant benzo crown ether terbium complex. <i>Dalton Transactions</i> , 2010, 39, 9763.	1.6	32
16	Highly efficient fiber-shaped organic solar cells toward wearable flexible electronics. <i>Npj Flexible Electronics</i> , 2022, 6, .	5.1	26
17	Lead Halide Ultraviolet-Harvesting Transparent Photovoltaics with an Efficiency Exceeding 1%. <i>ACS Applied Energy Materials</i> , 2019, 2, 3972-3978.	2.5	21
18	Balancing efficiency and transparency in organic transparent photovoltaics. <i>Npj Flexible Electronics</i> , 2022, 6, .	5.1	12

#	ARTICLE	IF	CITATIONS
19	Ultrathin Hole Extraction Layer for Efficient Inverted Perovskite Solar Cells. ACS Omega, 2018, 3, 6339-6345.	1.6	5