

Ke Meng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

802

citations

15

h-index

26

g-index

26

ext. papers

1,010

ext. citations

12.3

avg, IF

4.34

L-index

#	Paper	IF	Citations
26	Tailoring Interlayer Spacers for Efficient and Stable Formamidinium-Based Low-Dimensional Perovskite Solar Cells. <i>Advanced Materials</i> , 2021 , e2106380	24	5
25	Humidity-Induced Defect-Healing of Formamidinium-Based Perovskite Films. <i>Small</i> , 2021 , 17, e2104165	11	4
24	Highly Thermostable and Efficient Formamidinium-Based Low-Dimensional Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 856-864	16.4	33
23	Self-passivation of low-dimensional hybrid halide perovskites guided by structural characteristics and degradation kinetics. <i>Energy and Environmental Science</i> , 2021 , 14, 2357-2368	35.4	7
22	A nanomesh electrode for self-driven perovskite photodetectors with tunable asymmetric Schottky junctions. <i>Nanoscale</i> , 2021 , 13, 17147-17155	7.7	1
21	Improving efficiency and stability of colorful perovskite solar cells with two-dimensional photonic crystals. <i>Nanoscale</i> , 2020 , 12, 8425-8431	7.7	21
20	In Situ Observation of Vapor-Assisted 2D-3D Heterostructure Formation for Stable and Efficient Perovskite Solar Cells. <i>Nano Letters</i> , 2020 , 20, 1296-1304	11.5	39
19	Templated growth of oriented layered hybrid perovskites on 3D-like perovskites. <i>Nature Communications</i> , 2020 , 11, 582	17.4	92
18	A Cross-Linked PCBM Interlayer for Efficient and UV-Stable Methylammonium-Free Perovskite Solar Cells. <i>Energy Technology</i> , 2020 , 8, 2000224	3.5	5
17	Rubidium Ions Enhanced Crystallinity for Ruddlesden-Popper Perovskites. <i>Advanced Science</i> , 2020 , 7, 2002445	13.6	13
16	Suppressing the Excessive Solvated Phase for DionJacobson Perovskites with Improved Crystallinity and Vertical Orientation. <i>Solar Rrl</i> , 2020 , 4, 2000371	7.1	15
15	Interfacial Structure and Composition Managements for High-Performance Methylammonium-Free Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020 , 30, 2005846	15.6	18
14	Ligand-Modulated Excess Pbl Nanosheets for Highly Efficient and Stable Perovskite Solar Cells. <i>Advanced Materials</i> , 2020 , 32, e2000865	24	60
13	In Situ Observation of Crystallization Dynamics and Grain Orientation in Sequential Deposition of Metal Halide Perovskites. <i>Advanced Functional Materials</i> , 2019 , 29, 1902319	15.6	34
12	A New Organic Interlayer Spacer for Stable and Efficient 2D Ruddlesden-Popper Perovskite Solar Cells. <i>Nano Letters</i> , 2019 , 19, 5237-5245	11.5	48
11	Synergistic Improvements in Efficiency and Stability of 2D Perovskite Solar Cells with Metal Ion Doping. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1901259	4.6	10
10	In Situ Real-Time Study of the Dynamic Formation and Conversion Processes of Metal Halide Perovskite Films. <i>Advanced Materials</i> , 2018 , 30, 1706401	24	41

9	Controllable Formation of Efficient CuSe Counter Electrodes for Quantum Dot Sensitized Solar Cells. <i>Journal of the Electrochemical Society</i> , 2017 , 164, F1566-F1571	3.9	8
8	Wide-angle polarization-free plasmon-enhanced light absorption in perovskite films using silver nanowires. <i>Optics Express</i> , 2017 , 25, 3594-3604	3.3	4
7	Two-Dimensional Organic-Inorganic Hybrid Perovskite Photonic Films. <i>Nano Letters</i> , 2016 , 16, 4166-73	11.5	91
6	X-ray and optical characterizations of DNA-mediated Janus nanostructures. <i>Applied Physics Letters</i> , 2016 , 109, 233101	3.4	1
5	Metal chalcogenides as counter electrode materials in quantum dot sensitized solar cells: a perspective. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23074-23089	13	88
4	Quantum dot and quantum dot-dye co-sensitized solar cells containing organic thiolate/disulfide redox electrolyte. <i>Journal of Power Sources</i> , 2015 , 275, 681-687	8.9	23
3	Efficient CdS quantum dot sensitized solar cells made using novel Cu ₂ S counter electrode. <i>Journal of Power Sources</i> , 2014 , 248, 218-223	8.9	83
2	BaTiO ₃ photoelectrodes for CdS quantum dot sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10231-10238	13	32
1	Efficient quasisolid dye- and quantum-dot-sensitized solar cells using thiolate/disulfide redox couple and CoS counter electrode. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 20768-75	9.5	26