

Cheng Bi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10486519/publications.pdf>

Version: 2024-02-01

22
papers

10,348
citations

361413

20
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

10476
citing authors

#	ARTICLE	IF	CITATIONS
1	The Functions of Fullerenes in Hybrid Perovskite Solar Cells. ACS Energy Letters, 2017, 2, 782-794.	17.4	217
2	Spontaneous Passivation of Hybrid Perovskite by Sodium Ions from Glass Substrates: Mysterious Enhancement of Device Efficiency Revealed. ACS Energy Letters, 2017, 2, 1400-1406.	17.4	143
3	Efficient Flexible Solar Cell based on Composition-tailored Hybrid Perovskite. Advanced Materials, 2017, 29, 1605900.	21.0	184
4	Air-stable, Efficient Mixed-cation Perovskite Solar Cells with Cu Electrode by Scalable Fabrication of Active Layer. Advanced Energy Materials, 2016, 6, 1600372.	19.5	275
5	Stabilized Wide Bandgap MAPbBr ₃ Perovskite by Enhanced Grain Size and Improved Crystallinity. Advanced Science, 2016, 3, 1500301.	11.2	229
6	Thin-film semiconductor perspective of organometal trihalide perovskite materials for high-efficiency solar cells. Materials Science and Engineering Reports, 2016, 101, 1-38.	31.8	117
7	Distinct Exciton Dissociation Behavior of Organolead Trihalide Perovskite and Excitonic Semiconductors Studied in the Same System. Small, 2015, 11, 2164-2169.	10.0	78
8	Non-wetting surface-driven high-aspect-ratio crystalline grain growth for efficient hybrid perovskite solar cells. Nature Communications, 2015, 6, 7747.	12.8	1,336
9	Electronic structure evolution of fullerene on CH ₃ NH ₃ PbI ₃ . Applied Physics Letters, 2015, 106, .	3.3	44
10	Doped hole transport layer for efficiency enhancement in planar heterojunction organolead trihalide perovskite solar cells. Nano Energy, 2015, 15, 275-280.	16.0	268
11	Perovskite Solar Cells: Low-temperature Fabrication of Efficient Wide-bandgap Organolead Trihalide Perovskite Solar Cells (Adv. Energy Mater. 6/2015). Advanced Energy Materials, 2015, 5, .	19.5	2
12	Surface analytical investigation on organometal triiodide perovskite. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2015, 33, .	1.2	43
13	Interfacial electronic structure at the CH ₃ NH ₃ PbI ₃ /MoO _x interface. Applied Physics Letters, 2015, 106, .	3.3	152
14	Giant switchable photovoltaic effect in organometal trihalide perovskite devices. Nature Materials, 2015, 14, 193-198.	27.5	1,372
15	Low-temperature Fabrication of Efficient Wide-bandgap Organolead Trihalide Perovskite Solar Cells. Advanced Energy Materials, 2015, 5, 1401616.	19.5	134
16	Electronic structures at the interface between Au and CH ₃ NH ₃ PbI ₃ . Physical Chemistry Chemical Physics, 2015, 17, 896-902.	2.8	82
17	Engineering Crystalline Grain of Hybrid Perovskites for High Efficiency Solar Cells and Beyond. , 2015, , .		1
18	Origin and elimination of photocurrent hysteresis by fullerene passivation in CH ₃ NH ₃ PbI ₃ planar heterojunction solar cells. Nature Communications, 2014, 5, 5784.	12.8	2,531

#	ARTICLE	IF	CITATIONS
19	An Ultraviolet-Vis-NIR Broad Spectral Nanocomposite Photodetector with Gain. <i>Advanced Optical Materials</i> , 2014, 2, 549-554.	7.3	183
20	Efficient, high yield perovskite photovoltaic devices grown by interdiffusion of solution-processed precursor stacking layers. <i>Energy and Environmental Science</i> , 2014, 7, 2619-2623.	30.8	1,154
21	Solvent Annealing of Perovskite-Induced Crystal Growth for Photovoltaic Device Efficiency Enhancement. <i>Advanced Materials</i> , 2014, 26, 6503-6509.	21.0	1,527
22	Understanding the formation and evolution of interdiffusion grown organolead halide perovskite thin films by thermal annealing. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18508-18514.	10.3	276