Jiangwei Li

List of Publications by Year in descending order

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29 papers	3,163 citations	279487 23 h-index	476904 29 g-index
30 all docs	30 docs citations	30 times ranked	5229 citing authors

#	Article	IF	Citations
1	Controllable Grain Morphology of Perovskite Absorber Film by Molecular Self-Assembly toward Efficient Solar Cell Exceeding 17%. Journal of the American Chemical Society, 2015, 137, 10399-10405.	6.6	347
2	Montmorillonite as bifunctional buffer layer material for hybrid perovskite solar cells with protection from corrosion and retarding recombination. Journal of Materials Chemistry A, 2014, 2, 13587-13592.	5.2	277
3	Direct Evidence of Ion Diffusion for the Silverâ€Electrodeâ€Induced Thermal Degradation of Inverted Perovskite Solar Cells. Advanced Energy Materials, 2017, 7, 1602922.	10.2	277
4	Addictive-assisted construction of all-inorganic CsSnIBr₂mesoscopic perovskite solar cells with superior thermal stability up to 473 K. Journal of Materials Chemistry A, 2016, 4, 17104-17110.	5.2	250
5	Stable Î±/Î´ phase junction of formamidinium lead iodide perovskites for enhanced near-infrared emission. Chemical Science, 2017, 8, 800-805.	3.7	199
6	Graphene oxide as dual functional interface modifier for improving wettability and retarding recombination in hybrid perovskite solar cells. Journal of Materials Chemistry A, 2014, 2, 20105-20111.	5.2	194
7	Inorganic CsPb_{1â^'}_xSn_xIBr₂ for Efficient Wideâ€Bandgap Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1800525.	10.2	192
8	Enhancement of thermal stability for perovskite solar cells through cesium doping. RSC Advances, 2017, 7, 17473-17479.	1.7	178
9	Cs₂PbI₂Cl₂, All-Inorganic Two-Dimensional Ruddlesdenâ€“Popper Mixed Halide Perovskite with Optoelectronic Response. Journal of the American Chemical Society, 2018, 140, 11085-11090.	6.6	167
10	Controlled orientation of perovskite films through mixed cations toward high performance perovskite solar cells. Nano Energy, 2016, 27, 87-94.	8.2	118
11	Effect of cesium chloride modification on the film morphology and UV-induced stability of planar perovskite solar cells. Journal of Materials Chemistry A, 2016, 4, 11688-11695.	5.2	103
12	Improved SnO₂ Electron Transport Layers Solutionâ€Deposited at Near Room Temperature for Rigid or Flexible Perovskite Solar Cells with High Efficiencies. Advanced Energy Materials, 2019, 9, 1900834.	10.2	100
13	A self-powered photodetector based on a CH₃NH₃PbI₃single crystal with asymmetric electrodes. CrystEngComm, 2016, 18, 4405-4411.	1.3	95
14	Efficient n-type dopants with extremely low doping ratios for high performance inverted perovskite solar cells. Energy and Environmental Science, 2016, 9, 3424-3428.	15.6	94
15	Enhanced Photocurrent of All-Inorganic Two-Dimensional Perovskite Cs₂PbI₂Cl₂ via Pressure-Regulated Excitonic Features. Journal of the American Chemical Society, 2021, 143, 2545-2551.	6.6	79
16	A Highly Efficient and Stable Blueâ€Emitting Cs₅Cu₃Cl₆I₂ with a 1D Chain Structure. Advanced Materials, 2020, 32, e2002945.	11.1	73
17	Enhanced Moisture Stability of Cesiumâ€Containing Compositional Perovskites by a Feasible Interfacial Engineering. Advanced Materials Interfaces, 2017, 4, 1700598.	1.9	65
18	Air-Stable Direct Bandgap Perovskite Semiconductors: All-Inorganic Tin-Based Heteroleptic Halides A_xSnCl_yI_z (A = Cs, Rb). Chemistry of Materials, 2018, 30, 4847-4856.	3.2	65

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19	Oxygen doping in nickel oxide for highly efficient planar perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 4721-4728.	5.2	57
20	An Origami Perovskite Photodetector with Spatial Recognition Ability. ACS Applied Materials & Interfaces, 2017, 9, 10921-10928.	4.0	49
21	Progress of interface engineering in perovskite solar cells. Science China Materials, 2016, 59, 728-742.	3.5	43
22	High Performance of Perovskite Solar Cells via Catalytic Treatment in Two-Step Process: The Case of Solvent Engineering. ACS Applied Materials & Interfaces, 2016, 8, 30107-30115.	4.0	28
23	Marangoni Effectâ€Controlled Growth of Oriented Film for High Performance C8â€BTBT Transistors. Advanced Materials Interfaces, 2019, 6, 1801736.	1.9	27
24	Enhanced performance in hybrid perovskite solar cell by modification with spinel lithium titanate. Journal of Materials Chemistry A, 2015, 3, 8882-8889.	5.2	19
25	Insight into the CH₃NH₃PbI₃/C interface in hole-conductor-free mesoscopic perovskite solar cells. Nanoscale, 2016, 8, 14163-14170.	2.8	19
26	The role of interface between electron transport layer and perovskite in halogen migration and stabilizing perovskite solar cells with Cs₄SnO₄. Journal of Materials Chemistry A, 2018, 6, 23797-23804.	5.2	19
27	Tailoring electrical property of the low-temperature processed SnO2 for high-performance perovskite solar cells. Science China Materials, 2019, 62, 173-180.	3.5	13
28	High quality perovskite thin films induced by crystal seeds with lead monoxide interfacial engineering. Journal of Materials Chemistry A, 2016, 4, 16913-16919.	5.2	8
29	Improved performance of pure formamidinium lead iodide perovskite light-emitting diodes by moisture treatment. Journal of Materials Chemistry C, 2017, 5, 11121-11127.	2.7	8