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	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
2	A Highly Efficient and Stable Blueâ€Emitting Cs₅Cu₃Cl₆I₂ with a 1D Chain Structure. Advanced Materials, 2020, 32, e2002945.	11.1	73
3	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
4	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
5	Marangoni Effectâ€Controlled Growth of Oriented Film for High Performance C8â€BTBT Transistors. Advanced Materials Interfaces, 2019, 6, 1801736.	1.9	27
6	Oxygen doping in nickel oxide for highly efficient planar perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 4721-4728.	5.2	57
7	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
8	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
9	Inorganic CsPb_{1â^'}_xSn_xIBr₂ for Efficient Wideâ€Bandgap Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1800525.	10.2	192
10	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
11	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
12	An Origami Perovskite Photodetector with Spatial Recognition Ability. ACS Applied Materials & Interfaces, 2017, 9, 10921-10928.	4.0	49
13	Enhancement of thermal stability for perovskite solar cells through cesium doping. RSC Advances, 2017, 7, 17473-17479.	1.7	178
14	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
15	Enhanced Moisture Stability of Cesiumâ€Containing Compositional Perovskites by a Feasible Interfacial Engineering. Advanced Materials Interfaces, 2017, 4, 1700598.	1.9	65
16	Stable Î±/Î´ phase junction of formamidinium lead iodide perovskites for enhanced near-infrared emission. Chemical Science, 2017, 8, 800-805.	3.7	199
17	A self-powered photodetector based on a CH₃NH₃PbI₃single crystal with asymmetric electrodes. CrystEngComm, 2016, 18, 4405-4411.	1.3	95
18	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

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19	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
20	Progress of interface engineering in perovskite solar cells. Science China Materials, 2016, 59, 728-742.	3.5	43
21	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
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	Insight into the CH₃NH₃PbI₃/C interface in hole-conductor-free mesoscopic perovskite solar cells. Nanoscale, 2016, 8, 14163-14170.	2.8	19
24	Controlled orientation of perovskite films through mixed cations toward high performance perovskite solar cells. Nano Energy, 2016, 27, 87-94.	8.2	118
25	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
26	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
27	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
28	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
29	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