Feng Wang

List of Publications by Year
in descending order

18	1,853	566801 15	839053 18
papers	citations	h-index	g-index

18	18	18	3670
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phenylalkylamine Passivation of Organolead Halide Perovskites Enabling Highâ€Efficiency and Airâ€Stable Photovoltaic Cells. Advanced Materials, 2016, 28, 9986-9992.	11.1	532
2	Defects engineering for high-performance perovskite solar cells. Npj Flexible Electronics, 2018, 2, .	5.1	334
3	HPbI₃: A New Precursor Compound for Highly Efficient Solutionâ€Processed Perovskite Solar Cells. Advanced Functional Materials, 2015, 25, 1120-1126.	7.8	293
4	Efficient planar heterojunction perovskite solar cells with Li-doped compact TiO 2 layer. Nano Energy, 2017, 31, 462-468.	8.2	244
5	Low-temperature processed inorganic perovskites for flexible detectors with a broadband photoresponse. Nanoscale, 2019, 11, 2871-2877.	2.8	74
6	Steering the crystallization of perovskites for high-performance solar cells in ambient air. Journal of Materials Chemistry A, 2019, 7, 12166-12175.	5.2	65
7	Band alignment of Pbâ€“Sn mixed triple cation perovskites for inverted solar cells with negligible hysteresis. Journal of Materials Chemistry A, 2019, 7, 9154-9162.	5.2	54
8	Flexible optoelectronic devices based on metal halide perovskites. Nano Research, 2020, 13, 1997-2018.	5.8	52
9	Mediatorâ€“Antisolvent Strategy to Stabilize All-Inorganic CsPbI₃ for Perovskite Solar Cells with Efficiency Exceeding 16%. ACS Energy Letters, 2020, 5, 1619-1627.	8.8	46
10	Unveiling the guest effect of N-butylammonium iodide towards efficient and stable 2D-3D perovskite solar cells through sequential deposition process. Chemical Engineering Journal, 2020, 391, 123589.	6.6	34
11	Improved crystallinity of perovskite via molecularly tailored surface modification of SnO2. Journal of Power Sources, 2019, 441, 227161.	4.0	20
12	Humidity-insensitive fabrication of efficient perovskite solar cells in ambient air. Journal of Power Sources, 2019, 412, 359-365.	4.0	19
13	Suppressed Decomposition of Perovskite Film on ZnO Via a Selfâ€Assembly Monolayer of Methoxysilane. Solar Rrl, 2018, 2, 1800240.	3.1	18
14	Flexible, UV-responsive perovskite photodetectors with low driving voltage. Journal of Materials Science, 2019, 54, 11556-11563.	1.7	17
15	Corrosive Behavior of Silver Electrode in Inverted Perovskite Solar Cells Based on Cu:NiO_x. IEEE Journal of Photovoltaics, 2019, 9, 1081-1085.	1.5	17
16	Enhanced Crystallinity of Triple-Cation Perovskite Film via Doping NH4SCN. Nanoscale Research Letters, 2019, 14, 304.	3.1	14
17	Efficient Stabilization and Passivation for Low-Temperature-Processed Î³-CsPbI3 Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 18784-18791.	4.0	11
18	Temperatureâ€Insensitive Efficient Inorganic Perovskite Photovoltaics by Bulk Heterojunctions. Advanced Materials, 2022, , 2108357.	11.1	9