Lei Lei

List of Publications by Citations

28 papers	538 citations	13 h-index	22 g-index
28 ext. papers	618 ext. citations	5.8 avg, IF	3.7 L-index

#	Paper	IF	Citations
28	Ultrasmooth Perovskite Film via Mixed Anti-Solvent Strategy with Improved Efficiency. *ACS Applied Materials & Interfaces*, **2017**, 9, 3667-3676	9.5	86
27	Characterization of Perovskite Obtained from Two-Step Deposition on Mesoporous Titania. *ACS Applied Materials & Interfaces*, **2015**, 7, 25770-6	9.5	55
26	Fast and Controllable Crystallization of Perovskite Films by Microwave Irradiation Process. *ACS Applied Materials & Interfaces*, **2016**, 8, 7854-61	9.5	49
25	Pore Size Dependent Hysteresis Elimination in Perovskite Solar Cells Based on Highly Porous TiO2 Films with Widely Tunable Pores of 15□4 nm. *Chemistry of Materials*, **2016**, 28, 7134-7144	9.6	41
24	Achieving High Current Density of Perovskite Solar Cells by Modulating the Dominated Facets of Room-Temperature DC Magnetron Sputtered TiO Electron Extraction Layer. *ACS Applied Materials & Interfaces*, **2017**, 9, 2016-2022	9.5	35
23	An Effective TiO2 Blocking Layer for Perovskite Solar Cells with Enhanced Performance. *Chemistry Letters*, **2015**, 44, 624-626	1.7	33
22	Study on the correlations between the structure and photoelectric properties of CH3NH3PbI3 perovskite light-harvesting material. *Journal of Power Sources*, **2015**, 285, 349-353	8.9	25
21	Minimizing the energy loss of perovskite solar cells with Cu+ doped NiOx processed at room temperature. *Solar Energy Materials and Solar Cells*, **2018**, 182, 128-135	6.4	25
20	Nucleation mediated interfacial precipitation for architectural perovskite films with enhanced photovoltaic performance. *Nanoscale*, **2017**, 9, 2569-2578	7.7	22
19	Controllable deposition of TiO 2 nanopillars at room temperature for high performance perovskite solar cells with suppressed hysteresis. *Solar Energy Materials and Solar Cells*, **2017**, 168, 172-182	6.4	16
18	Fast Fabrication of a Stable Perovskite Solar Cell with an Ultrathin Effective Novel Inorganic Hole Transport Layer. *Langmuir*, **2017**, 33, 3624-3634	4	15
17	Smart windows □Transmittance tuned thermochromic coatings for dynamic control of building performance. *Energy and Buildings*, **2021**, 235, 110717	7	14
16	Long-term stable perovskite solar cells with room temperature processed metal oxide carrier transporters. *Journal of Materials Chemistry A*, **2019**, 7, 21085-21095	13	13
15	Cyclic Utilization of Lead in Carbon-Based Perovskite Solar Cells. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 7558-7564	8.3	13
14	Influence of TiO2 Blocking Layer Morphology on Planar Heterojunction Perovskite Solar Cells. *Chemistry Letters*, **2016**, 45, 592-594	1.7	13
13	Room-temperature processible TiO2 electron selective layers with controllable crystallinity for high efficiency perovskite photovoltaics. *Solar Energy Materials and Solar Cells*, **2017**, 163, 15-22	6.4	12
12	Enhanced electrical property of Ni-doped CoO hole transport layer for inverted perovskite solar cells. *Nanotechnology*, **2017**, 28, 20LT02	3.4	11

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11	One step spray-coated TiO electron-transport layers for decent perovskite solar cells on large and flexible substrates. *Nanotechnology*, **2017**, 28, 01LT02	3.4	10
10	Influence of hole transport material/metal contact interface on perovskite solar cells. *Nanotechnology*, **2018**, 29, 255201	3.4	10
9	Effect of Br content on phase stability and performance of HN=CHNHPb(I Br) perovskite thin films. *Nanotechnology*, **2019**, 30, 165402	3.4	8
8	Novel Perovskite Solar Cell Architecture Featuring Efficient Light Capture and Ultrafast Carrier Extraction. *ACS Applied Materials & Interfaces*, **2017**, 9, 23624-23634	9.5	7
7	Effect of Annealing Temperature on Film Morphology of Planar Heterojunction Mixed Halide Perovskite CH3NH3PbI3Clx Solar Cells Based on Compact ZnO. *Chemistry Letters*, **2015**, 44, 1022-1024	1.7	7
6	Mesostructured perovskite solar cells based on highly ordered TiO network scaffold via anodization of Ti thin film. *Nanotechnology*, **2017**, 28, 055403	3.4	6
5	Morphology and Defect Control of Metal Halide Perovskite Films for High-Performance Optoelectronics. *Chemistry of Materials*, **2020**, 32, 5958-5972	9.6	5
4	Supramolecular Proton Conductors Self-Assembled by Organic Cages.. *Jacs Au*, **2022**, 2, 819-826		4
3	Dense CoreMesoporous Outer Layer Scattering Beads for Dye-sensitized Solar Cells. *Chemistry Letters*, **2014**, 43, 1896-1898	1.7	2
2	Effects of Surface Tension Driven Convection Upon Crystal Growth of KTa1-xNbxO3. *Crystal Research and Technology*, **2017**, 52, 1700161	1.3	1
1	Novel Post-Treatment Process by La3+ Modification to TiO2 Photoanode with Enhanced Performance for DSSCs. *Advanced Materials Research*, **2013**, 860-863, 219-222	0.5	