Yong Peng

List of Publications by Citations

38 papers	1,496 citations	15 h-index	38 g-index
44 ext. papers	1,828 ext. citations	8.3 avg, IF	4.47 L-index

#	Paper	IF	Citations
38	Universal passivation strategy to slot-die printed SnO for hysteresis-free efficient flexible perovskite solar module. *Nature Communications*, **2018**, 9, 4609	17.4	392
37	A novel quadruple-cation absorber for universal hysteresis elimination for high efficiency and stable perovskite solar cells. *Energy and Environmental Science*, **2017**, 10, 2509-2515	35.4	346
36	Synergic Interface Optimization with Green Solvent Engineering in Mixed Perovskite Solar Cells. *Advanced Energy Materials*, **2017**, 7, 1700576	21.8	178
35	Effect of the Microstructure of the Functional Layers on the Efficiency of Perovskite Solar Cells. *Advanced Materials*, **2017**, 29, 1601715	24	80
34	Low-Temperature Presynthesized Crystalline Tin Oxide for Efficient Flexible Perovskite Solar Cells and Modules. *ACS Applied Materials & Interfaces*, **2018**, 10, 14922-14929	9.5	67
33	Non-Conjugated Polymer as an Efficient Dopant-Free Hole-Transporting Material for Perovskite Solar Cells. *ChemSusChem*, **2017**, 10, 2578-2584	8.3	50
32	Large-area perovskite solar cells with CsxFA1−xPbI3−yBry thin films deposited by a vapor–solid reaction method. *Journal of Materials Chemistry A*, **2018**, 6, 21143-21148	13	47
31	Efficient and Stable Inverted Planar Perovskite Solar Cells Using a Triphenylamine Hole-Transporting Material. *ChemSusChem*, **2018**, 11, 1467-1473	8.3	38
30	Robust transparent superamphiphobic coatings on non-fabric flat substrates with inorganic adhesive titania bonded silica. *Journal of Materials Chemistry A*, **2017**, 5, 8352-8359	13	28
29	An efficient, flexible perovskite solar module exceeding 8% prepared with an ultrafast PbI deposition rate. *Scientific Reports*, **2018**, 8, 442	4.9	27
28	Moisture assisted CsPbBr3 film growth for high-efficiency, all-inorganic solar cells prepared by a multiple sequential vacuum deposition method. *Materials Science in Semiconductor Processing*, **2019**, 98, 39-43	4.3	24
27	Organic/inorganic self-doping controlled crystallization and electronic properties of mixed perovskite solar cells. *Journal of Materials Chemistry A*, **2018**, 6, 6319-6326	13	22
26	Enhanced Crystallinity of Low-Temperature Solution-Processed SnO for Highly Reproducible Planar Perovskite Solar Cells. *ChemSusChem*, **2018**, 11, 2898-2903	8.3	21
25	Universal defects elimination for high performance thermally evaporated CsPbBr3 perovskite solar cells. *Solar Energy Materials and Solar Cells*, **2020**, 206, 110317	6.4	21
24	A perovskite/silicon hybrid system with a solar-to-electric power conversion efficiency of 25.5%. *Journal of Materials Chemistry A*, **2019**, 7, 26479-26489	13	15
23	Influence of phase transition on stability of perovskite solar cells under thermal cycling conditions. *Solar Energy*, **2019**, 188, 312-317	6.8	13
22	A novel ionically crosslinked gel polymer electrolyte as an ion transport layer for high-performance electrochromic devices. *Journal of Materials Chemistry C*, **2019**, 7, 3744-3750	7.1	13

21	Alleviate the - hysteresis of carbon-based perovskite solar cells introducing additional methylammonium chloride into MAPbI precursor.. *RSC Advances*, **2018**, 8, 35157-35161	3.7	13
20	Enhancing the thermal stability of the carbon-based perovskite solar cells by using a Cs FA PbBr I light absorber.. *RSC Advances*, **2019**, 9, 11877-11881	3.7	11
19	Room-temperature synthesized SnO electron transport layers for efficient perovskite solar cells.. *RSC Advances*, **2019**, 9, 9946-9950	3.7	11
18	Enhancing the performance and stability of carbon-based perovskite solar cells by the cold isostatic pressing method. *RSC Advances*, **2017**, 7, 48958-48961	3.7	10
17	Interface modification effect on the performance of CsFAPbIBr perovskite solar cells fabricated by evaporation/spray-coating method. *Journal of Chemical Physics*, **2020**, 153, 014706	3.9	9
16	A pressure-assisted annealing method for high quality CsPbBr film deposited by sequential thermal evaporation.. *RSC Advances*, **2020**, 10, 8905-8909	3.7	9
15	Influence of Hot Spot Heating on Stability of Large Size Perovskite Solar Module with a Power Conversion Efficiency of ~14%. *ACS Applied Energy Materials*, **2018**, 1, 3565-3570	6.1	9
14	Fabrication of Flexible Dye-Sensitized Solar Cell Modules using Commercially Available Materials. *Energy Technology*, **2016**, 4, 536-542	3.5	8
13	19.59% Efficiency from Rb0.04-Cs0.14FA0.86Pb(BryI1−y)3 perovskite solar cells made by vapor□olid reaction technique. *Science Bulletin*, **2021**, 66, 962-964	10.6	7
12	Room-temperature Sputtered NiOx for hysteresis-free and stable inverted Cs-FA mixed-cation perovskite solar cells. *Materials Science in Semiconductor Processing*, **2020**, 115, 105129	4.3	5
11	Lead contamination analysis of perovskite modules under simulated working conditions. *Solar Energy*, **2021**, 226, 85-91	6.8	5
10	Improving the crystal growth of a Cs0.24FA0.76PbI3□Brx perovskite in a vapor□olid reaction process using strontium iodide. *Sustainable Energy and Fuels*, **2020**, 4, 2491-2496	5.8	3
9	Perovskite Solar Cells: Effect of the Microstructure of the Functional Layers on the Efficiency of Perovskite Solar Cells (Adv. Mater. 20/2017). *Advanced Materials*, **2017**, 29,	24	2
8	Bandgap adjustment assisted preparation of >18% Cs FA PbI Br -based perovskite solar cells using a hybrid spraying process.. *RSC Advances*, **2021**, 11, 17595-17602	3.7	2
7	A Self-Healing Ionic Liquid-Based Ionically Cross-Linked Gel Polymer Electrolyte for Electrochromic Devices. *Polymers*, **2021**, 13,	4.5	2
6	All-vacuum deposited perovskite solar cells with glycine modified NiO hole-transport layers.. *RSC Advances*, **2022**, 12, 10863-10869	3.7	2
5	Aqueous Sn-S Complex Derived Electron Selective Layer for Perovskite Solar Cells. *Journal Wuhan University of Technology, Materials Science Edition*, **2020**, 35, 272-279	1	1
4	A counter electrode modified with renewable carbonized biomass for an all-inorganic CsPbBr3 perovskite solar cell. *Journal of Alloys and Compounds*, **2022**, 902, 163725	5.7	1

3	Printable materials for printed perovskite solar cells. *Flexible and Printed Electronics*, **2020**, 5, 014002	3.1	1
2	Recovering MAPbI3-Based Perovskite Films From Water-Caused Permanent Degradations by Dipping in MAI Solution. *IEEE Journal of Photovoltaics*, **2018**, 8, 1692-1700	3.7	1
1	Improved efficiency and carrier dynamic transportation behavior in perovskite solar cells with CuInS quantum dots as hole-transport materials. *Dalton Transactions*, **2021**, 50, 8837-8844	4.3	0