

Peng You

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

2,782
citations

22
h-index

31
g-index

31
ext. papers

3,227
ext. citations

14
avg, IF

5.56
L-index

#	Paper	IF	Citations
31	2D materials for conducting holes from grain boundaries in perovskite solar cells. <i>Light: Science and Applications</i> , 2021 , 10, 68	16.7	26
30	2D WSe Flakes for Synergistic Modulation of Grain Growth and Charge Transfer in Tin-Based Perovskite Solar Cells. <i>Advanced Science</i> , 2021 , 8, e2004315	13.6	15
29	Synergistic effects of the zinc acetate additive on the performance enhancement of Sn-based perovskite solar cells. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 1995-2000	7.8	2
28	Plasmonic and Superhydrophobic Self-Decontaminating N95 Respirators. <i>ACS Nano</i> , 2020 , 14, 8846-8854	16.7	46
27	Insulating Polymers for Enhancing the Efficiency of Nonfullerene Organic Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 2000013	7.1	10
26	Ultrafast laser-annealing of perovskite films for efficient perovskite solar cells. <i>Energy and Environmental Science</i> , 2020 , 13, 1187-1196	35.4	75
25	Enhanced Performance of Planar Perovskite Solar Cells Induced by Van Der Waals Epitaxial Growth of Mixed Perovskite Films on WS ₂ Flakes. <i>Advanced Functional Materials</i> , 2020 , 30, 2002358	15.6	41
24	Schottky Barrier-Controlled Black Phosphorus/Perovskite Phototransistors with Ultrahigh Sensitivity and Fast Response. <i>Small</i> , 2019 , 15, e1901004	11	32
23	Solution-Phase Epitaxial Growth of Perovskite Films on 2D Material Flakes for High-Performance Solar Cells. <i>Advanced Materials</i> , 2019 , 31, e1807689	24	115
22	Efficiency enhancement of organic photovoltaics by introducing high-mobility curved small-molecule semiconductors as additives. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12740-12750	13	5
21	Enhanced performance of tin-based perovskite solar cells induced by an ammonium hypophosphite additive. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26580-26585	13	65
20	Antioxidant Grain Passivation for Air-Stable Tin-Based Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2019 , 131, 816-820	3.6	15
19	Antioxidant Grain Passivation for Air-Stable Tin-Based Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 806-810	16.4	245
18	Two-dimensional materials in perovskite solar cells. <i>Materials Today Energy</i> , 2019 , 11, 128-158	7	60
17	Performance Enhancement of Perovskite Solar Cells Induced by Lead Acetate as an Additive. <i>Solar Rrl</i> , 2018 , 2, 1800066	7.1	74
16	Lasing Characteristics of CH ₃ NH ₃ PbCl ₃ Single-Crystal Microcavities under Multiphoton Excitation. <i>Advanced Optical Materials</i> , 2018 , 6, 1700992	8.1	18
15	Highly Stable All-Inorganic Perovskite Solar Cells Processed at Low Temperature. <i>Solar Rrl</i> , 2018 , 2, 1800075	7.5	58

14	Organic/Inorganic Hybrid Perovskites for Solar Energy Conversion 2018 , 95-117		
13	Bias Stress Stability Improvement in Solution-Processed Low-Voltage Organic Field-Effect Transistors Using Relaxor Ferroelectric Polymer Gate Dielectric. <i>IEEE Electron Device Letters</i> , 2017 , 38, 748-751	4.4	30
12	Black Phosphorus Quantum Dots Used for Boosting Light Harvesting in Organic Photovoltaics. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13717-13721	16.4	95
11	Black Phosphorus Quantum Dots Used for Boosting Light Harvesting in Organic Photovoltaics. <i>Angewandte Chemie</i> , 2017 , 129, 13905-13909	3.6	10
10	Ultrasensitive broadband phototransistors based on perovskite/organic-semiconductor vertical heterojunctions. <i>Light: Science and Applications</i> , 2017 , 6, e17023	16.7	203
9	Ultrathin and flexible perovskite solar cells with graphene transparent electrodes. <i>Nano Energy</i> , 2016 , 28, 151-157	17.1	158
8	Efficient and stable perovskite solar cells prepared in ambient air irrespective of the humidity. <i>Nature Communications</i> , 2016 , 7, 11105	17.4	389
7	Au/Ag core-shell nanocuboids for high-efficiency organic solar cells with broadband plasmonic enhancement. <i>Energy and Environmental Science</i> , 2016 , 9, 898-905	35.4	107
6	The influence of chloride on interdiffusion method for perovskite solar cells. <i>Materials Letters</i> , 2016 , 169, 236-240	3.3	13
5	Amplified Spontaneous Emission from Organic/Inorganic Hybrid Lead Iodide Perovskite Single Crystals under Direct Multiphoton Excitation. <i>Advanced Optical Materials</i> , 2016 , 4, 1053-1059	8.1	39
4	Efficient Semitransparent Perovskite Solar Cells with Graphene Electrodes. <i>Advanced Materials</i> , 2015 , 27, 3632-8	24	387
3	Enhanced efficiency of polymer solar cells by adding a high-mobility conjugated polymer. <i>Energy and Environmental Science</i> , 2015 , 8, 1463-1470	35.4	204
2	Neutral-Color Semitransparent Organic Solar Cells with All-Graphene Electrodes. <i>ACS Nano</i> , 2015 , 9, 12026-34	16.7	114
1	Highly sensitive glucose sensors based on enzyme-modified whole-graphene solution-gated transistors. <i>Scientific Reports</i> , 2015 , 5, 8311	4.9	131