

# Fangyuan Jiang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11687611/publications.pdf>

Version: 2024-02-01

28  
papers

1,636  
citations

257450

24  
h-index

501196

28  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2992  
citing authors

#	ARTICLE	IF	CITATIONS
1	A two-terminal perovskite/perovskite tandem solar cell. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1208-1213.	10.3	139
2	Free-standing Conducting Polymer Films for High-performance Energy Devices. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 979-982.	13.8	138
3	Conductivity Enhancement of PEDOT:PSS Films via Phosphoric Acid Treatment for Flexible All-Plastic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 14089-14094.	8.0	127
4	Efficient Colorful Perovskite Solar Cells Using a Top Polymer Electrode Simultaneously as Spectrally Selective Antireflection Coating. <i>Nano Letters</i> , 2016, 16, 7829-7835.	9.1	123
5	Tailoring vertical phase distribution of quasi-two-dimensional perovskite films via surface modification of hole-transporting layer. <i>Nature Communications</i> , 2019, 10, 878.	12.8	115
6	Synergistic Effect of Pb <sub>2</sub> Passivation and Chlorine Inclusion Yielding High Open-circuit Voltage Exceeding 1.15 V in Both Mesoscopic and Inverted Planar CH <sub>3</sub> NH <sub>3</sub> Pb <sub>3</sub> (Cl)-Based Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2016, 26, 8119-8127.	14.9	93
7	High-performance Hazy Silver Nanowire Transparent Electrodes through Diameter Tailoring for Semitransparent Photovoltaics. <i>Advanced Functional Materials</i> , 2018, 28, 1705409.	14.9	84
8	Flexible all-solution-processed all-plastic multijunction solar cells for powering electronic devices. <i>Materials Horizons</i> , 2016, 3, 452-459.	12.2	73
9	Intralayer A-Site Compositional Engineering of Ruddlesden-Popper Perovskites for Thermostable and Efficient Solar Cells. <i>ACS Energy Letters</i> , 2019, 4, 1216-1224.	17.4	65
10	Metal electrode-free perovskite solar cells with transfer-laminated conducting polymer electrode. <i>Optics Express</i> , 2015, 23, A83.	3.4	53
11	Indium tin oxide (ITO)-free, top-illuminated, flexible perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14017-14024.	10.3	53
12	Flexible large-area organic tandem solar cells with high defect tolerance and device yield. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3186-3192.	10.3	51
13	A nonionic surfactant simultaneously enhancing wetting property and electrical conductivity of PEDOT:PSS for vacuum-free organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2015, 137, 311-318.	6.2	48
14	Reduction and oxidation of poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) induced by methylamine (CH <sub>3</sub> NH <sub>2</sub> )-containing atmosphere for perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4305-4311.	10.3	44
15	Double-side responsive polymer near-infrared photodetectors with transfer-printed electrode. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1414-1419.	5.5	43
16	Polyethylenimine Aqueous Solution: A Low-Cost and Environmentally Friendly Formulation to Produce Low-Work-Function Electrodes for Efficient Easy-to-Fabricate Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 22628-22633.	8.0	41
17	Hierarchical Dual-scaffolds Enhance Charge Separation and Collection for High Efficiency Semitransparent Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600484.	3.7	40
18	Nonreduction-Active Hole-Transporting Layers Enhancing Open-Circuit Voltage and Efficiency of Planar Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 33899-33906.	8.0	40

#	ARTICLE	IF	CITATIONS
19	An Amidine-Type Dopant for Solution-Processed Field-Effect Transistors and Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2017, 27, 1703254.	14.9	40
20	Electrochemical Corrosion of Ag Electrode in the Silver Grid Electrode-Based Flexible Perovskite Solar Cells and the Suppression Method. <i>Solar Rrl</i> , 2018, 2, 1800118.	5.8	37
21	Free-Standing Conducting Polymer Films for High-Performance Energy Devices. <i>Angewandte Chemie</i> , 2016, 128, 991-994.	2.0	36
22	PEDOT:PSS top electrode prepared by transfer lamination using plastic wrap as the transfer medium for organic solar cells. <i>Organic Electronics</i> , 2014, 15, 2593-2598.	2.6	33
23	Enhanced Thermochemical Stability of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Films on Zinc Oxides via New Precursors and Surface Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26045-26051.	8.0	29
24	Dual functions of interface passivation and n-doping using 2,6-dimethoxypyridine for enhanced reproducibility and performance of planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17632-17639.	10.3	25
25	Scanning Kelvin Probe Microscopy Reveals That Ion Motion Varies with Dimensionality in 2D Halide Perovskites. <i>ACS Energy Letters</i> , 2021, 6, 100-108.	17.4	23
26	Vacuum-free and metal electrode-free organic tandem solar cells. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	17
27	Colorful flexible polymer tandem solar cells. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7884-7889.	5.5	14
28	Light-Dependent Impedance Spectra and Transient Photoconductivity in a Ruddlesden-Popper 2D Lead-Halide Perovskite Revealed by Electrical Scanned Probe Microscopy and Accompanying Theory. <i>Journal of Physical Chemistry C</i> , 2020, 124, 13639-13648.	3.1	12