

## List of Publications by Citations

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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.

61 papers	3,972 citations	31 h-index	63 g-index
67 ext. papers	4,656 ext. citations	15.4 avg, IF	5.78 L-index

#	Paper	IF	Citations
61	High efficiency planar-type perovskite solar cells with negligible hysteresis using EDTA-complexed SnO. <i>Nature Communications</i> , <b>2018</b> , 9, 3239	17.4	721
60	Low bandgap semiconducting polymers for polymeric photovoltaics. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 4825-46	58.5	372
59	Single-junction polymer solar cells with over 10% efficiency by a novel two-dimensional donor-acceptor conjugated copolymer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 4928-35	9.5	241
58	Bulk heterojunction perovskite hybrid solar cells with large fill factor. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 1245-1255	35.4	223
57	Quasi-Two-Dimensional Halide Perovskite Single Crystal Photodetector. <i>ACS Nano</i> , <b>2018</b> , 12, 4919-4929	16.7	178
56	NiSe@MoSe Nanosheet Arrays as the Electrode for High-Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 17067-17075	9.5	160
55	Inverted organic photovoltaic cells. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 2937-75	58.5	153
54	Efficient Perovskite Hybrid Solar Cells by Highly Electrical Conductive PEDOT:PSS Hole Transport Layer. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501773	21.8	113
53	Stable Efficiency Exceeding 20.6% for Inverted Perovskite Solar Cells through Polymer-Optimized PCBM Electron-Transport Layers. <i>Nano Letters</i> , <b>2019</b> , 19, 3313-3320	11.5	111
52	Molecular weight effect on the efficiency of polymer solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 12163-7	9.5	102
51	Ultrasensitive solution-processed broad-band photodetectors using CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> /perovskite hybrids and PbS quantum dots as light harvesters. <i>Nanoscale</i> , <b>2015</b> , 7, 16460-9	7.7	90
50	High performance planar heterojunction perovskite solar cells with fullerene derivatives as the electron transport layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 1153-9	9.5	90
49	Ultrasensitive solution-processed perovskite hybrid photodetectors. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 6600-6606	7.1	88
48	PbS quantum dots-induced trap-assisted charge injection in perovskite photodetectors. <i>Nano Energy</i> , <b>2016</b> , 30, 27-35	17.1	79
47	Isothermally crystallized perovskites at room-temperature. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 3412-3422	35.4	71
46	Recent progress in fundamental understanding of halide perovskite semiconductors. <i>Progress in Materials Science</i> , <b>2019</b> , 106, 100580	42.2	69
45	Polyaniline-Modified Oriented Graphene Hydrogel Film as the Free-Standing Electrode for Flexible Solid-State Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 23932-40	9.5	68

44	Efficient perovskite solar cells by hybrid perovskites incorporated with heterovalent neodymium cations. <i>Nano Energy</i> , <b>2019</b> , 61, 352-360	17.1	53
43	Wide-Bandgap Perovskite Solar Cells With Large Open-Circuit Voltage of 1653 mV Through Interfacial Engineering. <i>Solar Rrl</i> , <b>2018</b> , 2, 1800083	7.1	51
42	Localized Electron Density Engineering for Stabilized B- $\text{CsSnI}_3$ -Based Perovskite Solar Cells with Efficiencies >10%. <i>ACS Energy Letters</i> , 1480-1489	20.1	50
41	Efficient Perovskite Hybrid Solar Cells via Ionomer Interfacial Engineering. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 6875-6884	15.6	48
40	Distinct conducting layer edge states in two-dimensional (2D) halide perovskite. <i>Science Advances</i> , <b>2019</b> , 5, eaau3241	14.3	47
39	Effect of Oligothiophene Bridge Length on the Photovoltaic Properties of D $\pi$ A Copolymers Based on Carbazole and Quinoxalinoporphyry. <i>Macromolecules</i> , <b>2012</b> , 45, 7806-7814	5.5	47
38	Solution-processed Fe $_3$ O $_4$ magnetic nanoparticle thin film aligned by an external magnetostatic field as a hole extraction layer for polymer solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 10325-30	9.5	42
37	Efficient Perovskite Hybrid Solar Cells Through a Homogeneous High-Quality Organolead Iodide Layer. <i>Small</i> , <b>2015</b> , 11, 3369-76	11	40
36	High Performance Perovskite Hybrid Solar Cells with E-beam-Processed TiO $_x$ Electron Extraction Layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 1876-83	9.5	37
35	Moderately reduced graphene oxide/PEDOT:PSS as hole transport layer to fabricate efficient perovskite hybrid solar cells. <i>Organic Electronics</i> , <b>2016</b> , 39, 288-295	3.5	36
34	Mono-crystalline Perovskite Photovoltaics toward Ultrahigh Efficiency?. <i>Joule</i> , <b>2019</b> , 3, 311-316	27.8	33
33	Ionic liquid induced surface trap-state passivation for efficient perovskite hybrid solar cells. <i>Organic Electronics</i> , <b>2017</b> , 41, 42-48	3.5	32
32	Radical polymers as interfacial layers in inverted hybrid perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 23831-23839	13	32
31	High-detectivity inverted near-infrared polymer photodetectors using cross-linkable conjugated polyfluorene as an electron extraction layer. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 9592-9598	7.1	31
30	High performance perovskites solar cells by hybrid perovskites co-crystallized with poly(ethylene oxide). <i>Nano Energy</i> , <b>2020</b> , 67, 104229	17.1	31
29	All electro spray printed perovskite solar cells. <i>Nano Energy</i> , <b>2018</b> , 53, 440-448	17.1	31
28	Efficient Polymer Solar Cells by Lithium Sulfonated Polystyrene as a Charge Transport Interfacial Layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 5348-5357	9.5	28
27	Nonionic Sc $^{3+}$ Dopant for Efficient and Stable Halide Perovskite Photovoltaics. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 1852-1861	20.1	28

26	Fullerene Polymer Complex Inducing Dipole Electric Field for Stable Perovskite Solar Cells. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1804419	15.6	28
25	Ultrahigh Durability Perovskite Solar Cells. <i>Nano Letters</i> , <b>2019</b> , 19, 1251-1259	11.5	27
24	Enhanced performance of polymer solar cells using PEDOT:PSS doped with Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles aligned by an external magnetostatic field as an anode buffer layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 13201-8	9.5	27
23	Enhanced Performance and Stability in DNA-Perovskite Heterostructure-Based Solar Cells. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 2646-2655	20.1	26
22	Multifunctional nanostructured materials for next generation photovoltaics. <i>Nano Energy</i> , <b>2020</b> , 70, 104480	17.1	25
21	A Nonionic and Low-Entropic MA(MMA) <sub>n</sub> PbI <sub>3</sub> -Ink for Fast Crystallization of Perovskite Thin Films. <i>Joule</i> , <b>2020</b> , 4, 615-630	27.8	23
20	Perovskite hybrid solar cells with a fullerene derivative electron extraction layer. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 4190-4197	7.1	20
19	Monocrystalline perovskite wafers/thin films for photovoltaic and transistor applications. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 24661-24690	13	18
18	Melanin/Perovskite Composites for Photothermal Conversion. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1901753	15.8	18
17	Self-Powered Red/UV Narrowband Photodetector by Unbalanced Charge Carrier Transport Strategy. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007016	15.6	18
16	Cost-Effective High-Performance Charge-Carrier-Transport-Layer-Free Perovskite Solar Cells Achieved by Suppressing Ion Migration. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 3044-3052	20.1	16
15	Two-dimensional hybrid organic/inorganic perovskites as emergent ferroelectric materials. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 060906	2.5	13
14	Organismic materials for beyond von Neumann machines. <i>Applied Physics Reviews</i> , <b>2020</b> , 7, 011309	17.3	12
13	Artemisinin (ART)-Induced Perovskite/perovskite/bilayer structured photovoltaics. <i>Nano Energy</i> , <b>2020</b> , 78, 105133	17.1	11
12	Solution-Processed Ultrahigh Detectivity Photodetectors by Hybrid Perovskite Incorporated with Heterovalent Neodymium Cations. <i>ACS Omega</i> , <b>2019</b> , 4, 15873-15878	3.9	10
11	One-key-reset/Recycling of whole perovskite solar cell. <i>Matter</i> , <b>2021</b> , 4, 2522-2541	12.7	10
10	Nature of terrace edge states (TES) in lower-dimensional halide perovskite. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 7659-7670	13	8
9	Polymer-based composites with improved energy density and dielectric constants by monoaxial hot-stretching for organic film capacitor applications. <i>RSC Advances</i> , <b>2015</b> , 5, 51975-51982	3.7	8

8	Pitch Gradation by Ion-Dragging Effect in Polymer-Stabilized Cholesteric Liquid Crystal Reflector Device. <i>Polymers</i> , <b>2020</b> , 12,	4.5	6
7	Efficient Perovskite Hybrid Solar Cells via Controllable Crystallization Film Morphology. <i>IEEE Journal of Photovoltaics</i> , <b>2015</b> , 5, 1402-1407	3.7	4
6	Inverted polymer solar cells with Zn <sub>2</sub> SnO <sub>4</sub> nanoparticles as the electron extraction layer. <i>Chinese Chemical Letters</i> , <b>2017</b> , 28, 1755-1759	8.1	2
5	Preparation of TiO <sub>2</sub> /MWCNT core/shell heterostructures containing a single MWCNT and their electromagnetic properties. <i>Composite Interfaces</i> , <b>2015</b> , 22, 343-351	2.3	2
4	Bio-inspired strategies for next-generation perovskite solar mobile power sources. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 12915-12984	58.5	2
3	Design of TiO <sub>2</sub> @graphene nanosheets with rough surface and its reinforcement to polyarylene ether nitriles. <i>Polymers for Advanced Technologies</i> , <b>2015</b> , 26, 1267-1274	3.2	1
2	Probe of the excitonic transitions and lifetimes in quasi-2D organic/inorganic halide perovskites. <i>AIP Advances</i> , <b>2022</b> , 12, 015114	1.5	
1	Homogenization of Optical Field in Nanocrystal-Embedded Perovskite Composites. <i>ACS Energy Letters</i> , 1657-1671	20.1	