

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.

153 papers	11,858 citations	46 h-index	108 g-index
167 ext. papers	13,651 ext. citations	11.5 avg, IF	6.72 L-index

#	Paper	IF	Citations
153	Polymer solar cells. <i>Nature Photonics</i> , <b>2012</b> , 6, 153-161	33.9	3621
152	Enhanced photovoltage for inverted planar heterojunction perovskite solar cells. <i>Science</i> , <b>2018</b> , 360, 1442-1446	33.3	915
151	Visibly transparent polymer solar cells produced by solution processing. <i>ACS Nano</i> , <b>2012</b> , 6, 7185-90	16.7	434
150	Minimizing non-radiative recombination losses in perovskite solar cells. <i>Nature Reviews Materials</i> , <b>2020</b> , 5, 44-60	73.3	428
149	Fused silver nanowires with metal oxide nanoparticles and organic polymers for highly transparent conductors. <i>ACS Nano</i> , <b>2011</b> , 5, 9877-82	16.7	326
148	Efficient perovskite solar cells by metal ion doping. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 2892-2901	35.4	301
147	Inverted Perovskite Solar Cells: Progresses and Perspectives. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600457	51.8	294
146	Highly Efficient Nanoporous TiO <sub>2</sub> -Polythiophene Hybrid Solar Cells Based on Interfacial Modification Using a Metal-Free Organic Dye. <i>Advanced Materials</i> , <b>2009</b> , 21, 994-1000	24	234
145	A robust inter-connecting layer for achieving high performance tandem polymer solar cells. <i>Advanced Materials</i> , <b>2011</b> , 23, 3465-70	24	214
144	Engineering of electron-selective contact for perovskite solar cells with efficiency exceeding 15%. <i>ACS Nano</i> , <b>2014</b> , 8, 10161-7	16.7	209
143	Charge-Carrier Balance for Highly Efficient Inverted Planar Heterojunction Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2016</b> , 28, 10718-10724	24	170
142	Kinked Star-Shaped Fluorene/ Triazatruxene Co-oligomer Hybrids with Enhanced Functional Properties for High-Performance, Solution-Processed, Blue Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 265-276	15.6	161
141	High-Performance Inverted Planar Heterojunction Perovskite Solar Cells Based on Lead Acetate Precursor with Efficiency Exceeding 18%. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 3508-3514	15.6	159
140	Monodisperse Six-Armed Triazatruxenes: Microwave-Enhanced Synthesis and Highly Efficient Pure-Deep-Blue Electroluminescence. <i>Macromolecules</i> , <b>2006</b> , 39, 3707-3709	5.5	148
139	In situ dynamic observations of perovskite crystallisation and microstructure evolution intermediated from [PbI] cage nanoparticles. <i>Nature Communications</i> , <b>2017</b> , 8, 15688	17.4	147
138	Improving the Stability of Metal Halide Perovskite Quantum Dots by Encapsulation. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900682	24	146
137	Low-dimensional perovskite interlayer for highly efficient lead-free formamidinium tin iodide perovskite solar cells. <i>Nano Energy</i> , <b>2018</b> , 49, 411-418	17.1	128

136	Solution-processed flexible transparent conductors composed of silver nanowire networks embedded in indium tin oxide nanoparticle matrices. <i>Nano Research</i> , <b>2012</b> , 5, 805-814	10	124
135	Dual-Source Precursor Approach for Highly Efficient Inverted Planar Heterojunction Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604758	24	123
134	Silver nanowire composite window layers for fully solution-deposited thin-film photovoltaic devices. <i>Advanced Materials</i> , <b>2012</b> , 24, 5499-504	24	111
133	The intrinsic properties of FA(1-x)MAxPbI3 perovskite single crystals. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 8537-8544	13	110
132	High-Performance Solid-State Organic Dye Sensitized Solar Cells with P3HT as Hole Transporter. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 7038-7043	3.8	103
131	Mesoporous PbI2 Scaffold for High-Performance Planar Heterojunction Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501890	21.8	102
130	Diboron-Assisted Interfacial Defect Control Strategy for Highly Efficient Planar Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2018</b> , 30, e1805085	24	101
129	Anatase mesoporous TiO2 nanofibers with high surface area for solid-state dye-sensitized solar cells. <i>Small</i> , <b>2010</b> , 6, 2176-82	11	100
128	Polarizing organic photovoltaics. <i>Advanced Materials</i> , <b>2011</b> , 23, 4193-8	24	97
127	Electrostatic Self-Assembly Conjugated Polyelectrolyte-Surfactant Complex as an Interlayer for High Performance Polymer Solar Cells. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 3284-3289	15.6	95
126	Mixed-cation perovskite solar cells in space. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2019</b> , 62, 1	3.6	85
125	Buried Interfaces in Halide Perovskite Photovoltaics. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006435	24	83
124	High-Performance Formamidinium-Based Perovskite Solar Cells via Microstructure-Mediated $\alpha$ -to- $\beta$ Phase Transformation. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 3246-3250	9.6	79
123	Polymer Solar Cells: High-Performance Polymer Solar Cells Based on a Wide-Bandgap Polymer Containing Pyrrolo[3,4-f]benzotriazole-5,7-dione with a Power Conversion Efficiency of 8.63% (Adv. Sci. 9/2016). <i>Advanced Science</i> , <b>2016</b> , 3,	13.6	78
122	Synthesis, structure, and optoelectronic properties of phosphafluorene copolymers. <i>Organic Letters</i> , <b>2008</b> , 10, 2913-6	6.2	74
121	High-Performance CsPbI <sub>x</sub> Br <sub>3-x</sub> All-Inorganic Perovskite Solar Cells with Efficiency over 18% via Spontaneous Interfacial Manipulation. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000457	15.6	71
120	Facile construction of nanofibrous ZnO photoelectrode for dye-sensitized solar cell applications. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 043304	3.4	65
119	Improved adhesion of interconnected TiO2 nanofiber network on conductive substrate and its application in polymer photovoltaic devices. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 013102	3.4	65

118	Superior Carrier Lifetimes Exceeding 6 $\mu$ s in Polycrystalline Halide Perovskites. <i>Advanced Materials</i> , <b>2020</b> , 32, e2002585	24	64
117	Plasmonic-Functionalized Broadband Perovskite Photodetector. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1701271	8.1	63
116	Stable Formamidinium-Based Perovskite Solar Cells via In Situ Grain Encapsulation. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800232	21.8	59
115	Fluorene and silafluorene conjugated copolymer: A new blue light-emitting polymer. <i>Synthetic Metals</i> , <b>2006</b> , 156, 1161-1167	3.6	57
114	High-Performance Polymer Solar Cells Based on a Wide-Bandgap Polymer Containing Pyrrolo[3,4-]benzotriazole-5,7-dione with a Power Conversion Efficiency of 8.63. <i>Advanced Science</i> , <b>2016</b> , 3, 1600032	13.6	57
113	MoS Memtransistors Fabricated by Localized Helium Ion Beam Irradiation. <i>ACS Nano</i> , <b>2019</b> , 13, 14262-14267	27.3	55
112	Perovskite Solar Cells for Space Applications: Progress and Challenges. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006545	24	53
111	Efficient and low-temperature processed perovskite solar cells based on a cross-linkable hybrid interlayer. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 18483-18491	13	50
110	Surface modification induced by perovskite quantum dots for triple-cation perovskite solar cells. <i>Nano Energy</i> , <b>2020</b> , 67, 104189	17.1	49
109	Anionic benzothiadiazole containing polyfluorene and oligofluorene as organic sensitizers for dye-sensitized solar cells. <i>Chemical Communications</i> , <b>2008</b> , 3789-91	5.8	48
108	An All-in-one mesh-typed integrated energy unit for both photoelectric conversion and energy storage in uniform electrochemical system. <i>Nano Energy</i> , <b>2015</b> , 13, 670-678	17.1	47
107	Improving Efficiency and Stability of Perovskite Solar Cells Enabled by A Near-Infrared-Absorbing Moisture Barrier. <i>Joule</i> , <b>2020</b> , 4, 1575-1593	27.8	46
106	An actively ultrafast tunable giant slow-light effect in ultrathin nonlinear metasurfaces. <i>Light: Science and Applications</i> , <b>2015</b> , 4, e302-e302	16.7	43
105	Monochromic Red-Emitting Nonconjugated Copolymers Containing Double-Carrier-Trapping Phosphine Oxide Eu <sup>3+</sup> Segments: Toward Bright and Efficient Electroluminescence. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 15627-15638	3.8	43
104	Patterned Perovskites for Optoelectronic Applications. <i>Small Methods</i> , <b>2018</b> , 2, 1800110	12.8	42
103	Multi-Length Scaled Silver Nanowire Grid for Application in Efficient Organic Solar Cells. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4822-4828	15.6	42
102	Perovskite solar cell towards lower toxicity: a theoretical study of physical lead reduction strategy. <i>Science Bulletin</i> , <b>2019</b> , 64, 1255-1261	10.6	39
101	Pinhole-Free Hybrid Perovskite Film with Arbitrarily-Shaped Micro-Patterns for Functional Optoelectronic Devices. <i>Nano Letters</i> , <b>2017</b> , 17, 3563-3569	11.5	37

100	Raman Signatures of Broken Inversion Symmetry and In-Plane Anisotropy in Type-II Weyl Semimetal Candidate TaIrTe. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706402	24	37
99	A 3-dimensional spiro-functionalized platinum(II) complex to suppress intermolecular $\pi$ - $\pi$ and Pt $\cdots$ Pt supramolecular interactions for a high-performance electrophosphorescent device. <i>Chemical Communications</i> , <b>2012</b> , 48, 3854-6	5.8	37
98	Spiro-functionalized Ligand with Supramolecular Steric Hindrance to Control $\pi$ -Interaction in the Iridium Complex for High-Performance Electrophosphorescent Devices. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 272-276	6.4	37
97	Hyperbranched triazine-containing polyfluorenes: Efficient blue emitters for polymer light-emitting diodes (PLEDs). <i>Polymer</i> , <b>2007</b> , 48, 1824-1829	3.9	36
96	Cruciform $\pi$ -diblock conjugated oligomers for electroluminescent applications. <i>New Journal of Chemistry</i> , <b>2006</b> , 30, 667-670	3.6	33
95	Bipyridinium-Bearing Multi-stimuli Responsive Chromic Material with High Stability. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 3236-3243	3.5	32
94	Photophysical and electroluminescent properties of a Series of Monochromatic red-emitting europium-complexed nonconjugated copolymers based on diphenylphosphine oxide modified polyvinylcarbazole. <i>Polymer</i> , <b>2011</b> , 52, 804-813	3.9	31
93	Use of the beta-phase of poly(9,9-dioctylfluorene) as a probe into the interfacial interplay for the mixed bilayer films formed by sequential spin-coating. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 1611-8 <sup>3</sup> .4	3.4	31
92	Di-Channel Polyfluorene Containing Spiro-Bridged Oxadiazole Branches. <i>Macromolecular Rapid Communications</i> , <b>2005</b> , 26, 1729-1735	4.8	31
91	High-performance hybrid solar cells employing metal-free organic dye modified TiO <sub>2</sub> as photoelectrode. <i>Applied Energy</i> , <b>2012</b> , 90, 305-308	10.7	30
90	Depth-dependent defect manipulation in perovskites for high-performance solar cells. <i>Energy and Environmental Science</i> ,	35.4	29
89	Strain Loading Mode Dependent Bandgap Deformation Potential in ZnO Micro/Nanowires. <i>ACS Nano</i> , <b>2015</b> , 9, 11960-7	16.7	28
88	Reduced bilateral recombination by functional molecular interface engineering for efficient inverted perovskite solar cells. <i>Nano Energy</i> , <b>2020</b> , 78, 105249	17.1	27
87	Dopant-free hole transporting materials with supramolecular interactions and reverse diffusion for efficient and modular p-i-n perovskite solar cells. <i>Science China Chemistry</i> , <b>2020</b> , 63, 987-996	7.9	25
86	Structuring Nonlinear Wavefront Emitted from Monolayer Transition-Metal Dichalcogenides. <i>Research</i> , <b>2020</b> , 2020, 9085782	7.8	25
85	Applications of cesium in the perovskite solar cells. <i>Journal of Semiconductors</i> , <b>2017</b> , 38, 011003	2.3	23
84	Germafluorene conjugated copolymer <sup>5</sup> Synthesis and applications in blue-light-emitting diodes and host materials. <i>Science in China Series B: Chemistry</i> , <b>2009</b> , 52, 212-218		23
83	Color Tuning Based on a Six-membered Chelated Iridium(III) Complex with Aza-aromatic Ligand. <i>Chemistry Letters</i> , <b>2005</b> , 34, 1668-1669	1.7	23

82	Synthesis and characterization of a main-chain-type conjugated copolymer containing rare earth with photocrosslinkable group. <i>Journal of Polymer Science Part A</i> , <b>2007</b> , 45, 388-394	2.5	22
81	Dielectric screening in perovskite photovoltaics. <i>Nature Communications</i> , <b>2021</b> , 12, 2479	17.4	22
80	Multiple-Defect Management for Efficient Perovskite Photovoltaics. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2404-2412	10.2	22
79	Perovskite Single-Crystal Microarrays for Efficient Photovoltaic Devices. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 4590-4596	9.6	21
78	Synthesis and characterization of poly(fluorene vinylene) copolymers containing thienylenevinylene units. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 108, 2438-2445	2.9	20
77	Monodisperse star-shaped compound and its blend in uncapped polyfluorene matrices as the active materials for high-performance pure blue light-emitting devices. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 141909	3.4	19
76	Synthesis and characterization of red phosphorescent-conjugated polymers containing charged iridium complexes and carbazole unit. <i>Synthetic Metals</i> , <b>2007</b> , 157, 813-822	3.6	19
75	Nitrogen substitution improves the mobility and stability of electron transport materials for inverted perovskite solar cells. <i>Nanoscale</i> , <b>2018</b> , 10, 17873-17883	7.7	18
74	N-Annulated Perylene-Based Hole Transporters for Perovskite Solar Cells: The Significant Influence of Lateral Substituents. <i>ChemSusChem</i> , <b>2018</b> , 11, 672-680	8.3	17
73	Improved Efficiency of Inverted Perovskite Solar Cells Via Surface Plasmon Resonance Effect of Au@PSS Core-Shell Tetrahedra Nanoparticles. <i>Solar Rrl</i> , <b>2018</b> , 2, 1800061	7.1	17
72	Fast-growing procedure for perovskite films in planar heterojunction perovskite solar cells. <i>Chinese Chemical Letters</i> , <b>2015</b> , 26, 1518-1521	8.1	16
71	A peri-Xanthenoxanthene Centered Columnar-Stacking Organic Semiconductor for Efficient, Photothermally Stable Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 945-948	4.8	16
70	Non-resonant metasurface for broadband elastic wave mode splitting. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 171903	3.4	15
69	Low-Dimensional Contact Layers for Enhanced Perovskite Photodiodes. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2001692	15.6	15
68	Diindolotriazatruxene-Based Hole-Transporting Materials for High-Efficiency Planar Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 45717-45725	9.5	15
67	Interfacial stabilization for inverted perovskite solar cells with long-term stability. <i>Science Bulletin</i> , <b>2021</b> , 66, 991-1002	10.6	15
66	Control of Stacking of Dithienopyrrole-Based, Hole-Transporting Materials via Lateral Substituents for High-Efficiency Perovskite Solar Cells. <i>ACS Photonics</i> , <b>2018</b> , 5, 4694-4701	6.3	15
65	Modification of TiO Nanoparticles with Organodiboron Molecules Inducing Stable Surface Ti Complex. <i>IScience</i> , <b>2019</b> , 20, 195-204	6.1	14

64	Tailoring Perovskite Adjacent Interfaces by Conjugated Polyelectrolyte for Stable and Efficient Solar Cells. <i>Solar Rrl</i> , <b>2020</b> , 4, 2000060	7.1	14
63	Synergy of Electron Transfer and Charge Transfer in the Control of Photodynamic Behavior of Coordination Polymers. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 13152-13156	4.8	13
62	Enhanced near-band-edge emission and field emission properties from plasma treated ZnO nanowires. <i>Applied Physics A: Materials Science and Processing</i> , <b>2010</b> , 100, 165-170	2.6	13
61	Mechanochemistry Advances High-Performance Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2021</b> , e2107420	4.0	13
60	Molecular Engineering of Hexaazatriphenylene Derivatives toward More Efficient Electron-Transporting Materials for Inverted Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 38222-38231	9.5	13
59	Plasma Oxidized TiCT MXene as Electron Transport Layer for Efficient Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 32495-32502	9.5	13
58	Van der Waals integration of high- $\kappa$ perovskite oxides and two-dimensional semiconductors. <i>Nature Electronics</i> , <b>2022</b> , 5, 233-240	28.4	13
57	Green Solution-Bathing Process for Efficient Large-Area Planar Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 24905-24912	9.5	12
56	Phototriggered Mechanical Movement in A Bipyridinium-based Coordination Polymer Powered by Electron Transfer. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 2724-2729	5.1	12
55	Atomic-Scale Probing of Reversible Li Migration in 1T-VSe and the Interactions between Interstitial V and Li. <i>Nano Letters</i> , <b>2018</b> , 18, 6094-6099	11.5	12
54	Fabrication of compact and stable perovskite films with optimized precursor composition in the fast-growing procedure. <i>Science China Materials</i> , <b>2017</b> , 60, 608-616	7.1	11
53	Regrowth of Template ZnO Nanowires for the Underlying Catalyst-Free Growth Mechanism. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 2135-2141	3.5	11
52	Poly-(p-phenylene vinylenes) with pendent 2,4-difluorophenyl and fluorenyl moieties: Synthesis, characterization, and device performance. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 2500-2508	2.5	11
51	Chemical Polishing of Perovskite Surface Enhances Photovoltaic Performances.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	11
50	Study of damage generation induced by focused helium ion beam in silicon. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2019</b> , 37, 031804	1.3	10
49	Theory and Realization of Nonresonant Anisotropic Singly Polarized Solids Carrying Only Shear Waves. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	10
48	Large tunable linear magnetoresistance in gold nanoparticle decorated graphene. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 143103	3.4	10
47	Modifying optical properties of ZnO nanowires via strain-gradient. <i>Frontiers of Physics</i> , <b>2013</b> , 8, 509-515	3.7	9

46	Facile synthesis and optical properties of ultrathin Cu-doped ZnSe nanorods. <i>CrystEngComm</i> , <b>2013</b> , 15, 10495	3.3	9
45	Spin-polarized surface state transport in a topological Kondo insulator SmB <sub>6</sub> nanowire. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	8
44	Synthesis, characterization and applications of vinylsilafuorene copolymers: New host materials for electroluminescent devices. <i>Science China Chemistry</i> , <b>2010</b> , 53, 2329-2336	7.9	8
43	Synthesis, Photophysics, and Electroluminescence of Poly(dibenzofluorene)s. <i>Macromolecular Rapid Communications</i> , <b>2006</b> , 27, 1142-1148	4.8	8
42	An efficient screening strategy towards multifunctional catalysts for the simultaneous electroreduction of NO <sub>3</sub> <sup>-</sup> /NO <sub>2</sub> <sup>-</sup> and NO to NH <sub>3</sub> . <i>Journal of Materials Chemistry A</i> ,	13	8
41	Growth mechanism study via in situ epitaxial growth of high-oriented ZnO nanowires. <i>CrystEngComm</i> , <b>2011</b> , 13, 606-610	3.3	7
40	Low-Cost Fabrication of TiO <sub>2</sub> Nanorod Photoelectrode for Dye-sensitized Solar Cell Application. <i>Australian Journal of Chemistry</i> , <b>2011</b> , 64, 1282	1.2	7
39	Two novel oligomers based on fluorene and pyridine: Correlation between the structures and optoelectronic properties. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 1548-1558	2.5	7
38	Tunable Intracrystal Cavity in Tungsten Bronze-Like Bimetallic Oxides for Electrochromic Energy Storage. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 103106	21.8	7
37	Torsional bandgap switching in metamaterials with compression-tension interacted origami resonators. <i>Journal of Applied Physics</i> , <b>2021</b> , 130, 045105	2.5	7
36	Introducing pyridyl into electron transport materials plays a key role in improving electron mobility and interface properties for inverted perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16304-16312	13	6
35	Single crystalline SmB <sub>6</sub> nanowires for self-powered, broadband photodetectors covering mid-infrared. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 162106	3.4	6
34	Confined-path interference suppressed quantum correction on weak antilocalization effect in a BiSbTeSe <sub>2</sub> topological insulator. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 032102	3.4	6
33	Solution-Processed TiO <sub>2</sub> Nanoparticles as the Window Layer for CuIn(S,Se) <sub>2</sub> Devices. <i>Advanced Energy Materials</i> , <b>2012</b> , 2, 1368-1374	21.8	6
32	Perovskite Solar Cells: High-Performance Inverted Planar Heterojunction Perovskite Solar Cells Based on Lead Acetate Precursor with Efficiency Exceeding 18% (Adv. Funct. Mater. 20/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 3551-3551	15.6	6
31	Zn-O Dual-Spin Surface State Formation by Modification of ZnO Nanoparticles with Diboron Compounds. <i>Langmuir</i> , <b>2019</b> , 35, 14173-14179	4	5
30	Outermost tensile strain dominated exciton emission in bending CdSe nanowires. <i>Science China Materials</i> , <b>2014</b> , 57, 26-33	7.1	5
29	Explicit internal signal stochastic resonance in a chemical model. <i>Physical Chemistry Chemical Physics</i> , <b>2002</b> , 4, 82-85	3.6	5

28	Self-Assembled Porphyrin Nanoleaves with Unique Crossed Transportation of Photogenerated Carriers to Enhance Photocatalytic Hydrogen Production.. <i>Nano Letters</i> , <b>2021</b> ,	11.5	5
27	Robust Nanoporous Supramolecular Network Through Charge-Transfer Interaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 43987-43992	9.5	5
26	Increase of intrinsic emittance induced by multiphoton photoemission from copper cathodes illuminated by femtosecond laser pulses. <i>AIP Advances</i> , <b>2018</b> , 8, 055225	1.5	5
25	In situ growth and density-functional-theory study of polarity-dependent homo-epitaxial ZnO microwires. <i>CrystEngComm</i> , <b>2012</b> , 14, 355-358	3.3	4
24	The structural stability and defect-tolerance of ionic spinel semiconductors for high-efficiency solar cells. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 14566-14575	13	4
23	Organic Solar Cells: Multi-Length Scaled Silver Nanowire Grid for Application in Efficient Organic Solar Cells (Adv. Funct. Mater. 27/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4806-4806	15.6	3
22	Linear stability analysis of a reaction-diffusion model of solid-phase combustion. <i>Theoretical Chemistry Accounts</i> , <b>2002</b> , 107, 357-361	1.9	3
21	Modular metamaterials composed of foldable obelisk-like units with reprogrammable mechanical behaviors based on multistability. <i>Scientific Reports</i> , <b>2019</b> , 9, 18812	4.9	3
20	Optimizing Vertical Crystallization for Efficient Perovskite Solar Cells by Buried Composite Layers. <i>Solar Rrl</i> , <b>2021</b> , 5, 2100457	7.1	3
19	Formation mechanism of homo-epitaxial morphology on ZnO (000 $\bar{1}$ 1) polar surfaces. <i>CrystEngComm</i> , <b>2013</b> , 15, 4249	3.3	2
18	Optimizing the Back Contact of Kesterites and Perovskites: Band Edge Design and Defect Engineering in Molybdenum Chalcogenides. <i>Advanced Sustainable Systems</i> , 2100457	5.9	2
17	Interplay between topological surface states and superconductivity in SmB <sub>6</sub> /NbN tunnel junctions. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	2
16	Li-based selenized Cu <sub>2</sub> ZnSnS <sub>4</sub> surface: Possible route to overcoming voc-deficit of kesterite solar cells. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 252106	3.4	2
15	Linear Relationship between the Dielectric Constant and Band Gap in Low-Dimensional Mixed-Halide Perovskites. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 14883-14890	3.8	2
14	Quantum efficiency, intrinsic emittance, and response time measurements of a titanium nitride photocathode. <i>Physical Review Accelerators and Beams</i> , <b>2021</b> , 24,	1.8	2
13	Perovskite Solar Cells: Stable Formamidinium-Based Perovskite Solar Cells via In Situ Grain Encapsulation (Adv. Energy Mater. 22/2018). <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1870101	21.8	1
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