

# Zonglong Zhu

## List of Articles by Year in descending order

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189

PR articles

20,049

PR citations

6529

75

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11312

134

g-index

194

documents

21911

doc citations

7788

78

h-index

19750

citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing Efficiency and Stability of Inverted Perovskite Solar Cells through Solution-Processed and Structurally Ordered Fullerene. <i>Angewandte Chemie</i> , 2025, 137, .	1.4	2
2	Enhancing Efficiency and Stability of Inverted Perovskite Solar Cells through Solution-Processed and Structurally Ordered Fullerene. <i>Angewandte Chemie - International Edition</i> , 2025, 64, .	14.4	18
3	Stabilization Strategies of Buried Interface for Efficient SAM-Based Inverted Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2025, 137, .	1.4	2
4	Stabilization Strategies of Buried Interface for Efficient SAM-Based Inverted Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2025, 64, .	14.4	89
5	Highly Efficient Monolithic Perovskite/TOPCon Silicon Tandem Solar Cells Enabled by "Halide Locking". <i>Advanced Materials</i> , 2025, 37, .	24.5	33
6	Complementary self-assembled monolayers enabling improved energy level alignment in inverted perovskite solar cells. <i>Journal of Energy Chemistry</i> , 2025, 104, 136-145.	14.2	18
7	Modulating Perovskite Surface Energetics Through Tuneable Ferrocene Interlayers for High-Performance Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2025, 64, .	14.4	11
8	Modulating Perovskite Surface Energetics Through Tuneable Ferrocene Interlayers for High-Performance Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2025, 137, .	1.4	2
9	Alcohol selectivity of a room temperature-operated gas sensor based on TiO <sub>2</sub> burr-like nanorods. <i>Chemical Engineering Journal</i> , 2025, 508, 160923.	12.0	14
10	Highly Soluble and Oxidizing Organic Salts Doped Hole-Transporting Layer Enables Efficient and Stable Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2025, 35, .	17.0	2
11	All-Polymer Bulk-Heterojunction Enables Stable Monolithic Perovskite/Organic Tandem Solar Cells with High Efficiency. <i>Small</i> , 2025, 21, .	11.5	3
12	Highly efficient all-perovskite photovoltaic-powered battery with dual-function viologen for portable electronics. <i>Nature Communications</i> , 2025, 16, .	13.7	10
13	Suppressing Oxidation at Perovskite-NiO <sub>x</sub> Interface for Efficient and Stable Tin Perovskite Solar Cells. <i>Advanced Materials</i> , 2024, 36, .	24.5	110
14	Charge Management Enables Efficient Spontaneous Chromatic Adaptation Bipolar Photodetector. <i>Small</i> , 2024, 20, .	11.5	10
15	Boosting Efficiency and Stability of NiO <sub>x</sub> -Based Inverted Perovskite Solar Cells Through "A Type Semiconductor Interface Modulation. <i>Advanced Functional Materials</i> , 2024, 34, .	17.0	41
16	Top-Down Induced Crystallization Orientation toward Highly Efficient p-i-n Perovskite Solar Cells. <i>Advanced Materials</i> , 2024, 36, .	24.5	79
17	Harnessing strong aromatic conjugation in low-dimensional perovskite heterojunctions for high-performance photovoltaic devices. <i>Nature Communications</i> , 2024, 15, .	13.7	53
18	Strengthening Near-Infrared Photon Harvesting in Semi-Transparent All-Polymer Solar Cells through the Synergy of Fluorination on the Selenide Monomer Backbone. <i>Advanced Functional Materials</i> , 2024, 34, .	17.0	24

#	ARTICLE	IF	CITATIONS
19	Highly Efficient and Scalable p-i-n Perovskite Solar Cells Enabled by Poly-metallocene Interfaces. <i>Journal of the American Chemical Society</i> , 2024, 146, 13391-13398.	15.0	64
20	A polymer acceptor with double-decker configuration enhances molecular packing for high-performance all-polymer solar cells. <i>Joule</i> , 2024, 8, 2304-2324.	25.7	51
21	Advancing Energy Sustainability Through Solar-Fuel Technologies: From Materials to Devices and Systems. <i>Small Methods</i> , 2024, 8, .	9.0	9
22	Bifunctional ligand-induced preferred crystal orientation enables highly efficient perovskite solar cells. <i>Joule</i> , 2024, 8, 3169-3185.	25.7	75
23	Selective Synthesis of Organonitrogen Compounds via Electrochemical C-N Coupling on Atomically Dispersed Catalysts. <i>ACS Nano</i> , 2024, 18, 23894-23911.	15.3	24
24	Cation Engineering Perovskite Cathodes for Fast and Stable Anion Redox Chemistry in Zinc-Iodine Batteries. <i>Advanced Functional Materials</i> , 2024, 34, .	17.0	19
25	Enhancing the X-ray Sensitivity of Cs <sub>2</sub> AgBiBr <sub>6</sub> Double Perovskite Single Crystals through Cation Engineering. , 2024, 2, 2075-2084.		8
26	Long-term stability in perovskite solar cells through atomic layer deposition of tin oxide. <i>Science</i> , 2024, 386, 187-192.	36.2	116
27	In Situ Phase Transformation-Enabled Metal-Organic Frameworks for Efficient CO <sub>2</sub> Electroreduction to Multicarbon Products in Strong Acidic Media. <i>ACS Nano</i> , 2024, 18, 33602-33613.	15.3	38
28	Optimization of Charge Extraction and Interconnecting Layers for Highly Efficient Perovskite/Organic Tandem Solar Cells with High Fill Factor. <i>Advanced Materials</i> , 2024, 36, .	24.5	37
29	Highly Efficient Flexible Perovskite Solar Cells through Pentylammonium Acetate Modification with Certified Efficiency of 23.35%. <i>Advanced Materials</i> , 2023, 35, .	24.5	152
30	Green-solvent Processable Dopant-free Hole Transporting Materials for Inverted Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2023, 135, .	1.4	7
31	Green-solvent Processable Dopant-free Hole Transporting Materials for Inverted Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	69
32	Backbone Engineering Enables Highly Efficient Polymer Hole-Transporting Materials for Inverted Perovskite Solar Cells. <i>Advanced Materials</i> , 2023, 35, .	24.5	92
33	Effects of Halogenation of Small-Molecule and Polymeric Acceptors for Efficient Organic Solar Cells. <i>Advanced Functional Materials</i> , 2023, 33, .	17.0	78
34	Molecular Engineering of Metal-Organic Frameworks as Efficient Electrochemical Catalysts for Water Oxidation. <i>Advanced Materials</i> , 2023, 35, .	24.5	93
35	Co-deposition of hole-selective contact and absorber for improving the processability of perovskite solar cells. <i>Nature Energy</i> , 2023, 8, 462-472.	50.6	302
36	Rational Engineering of 2D Materials as Advanced Catalyst Cathodes for High-Performance Metal-Carbon Dioxide Batteries. <i>Small Structures</i> , 2023, 4, .	11.0	11

#	ARTICLE	IF	CITATIONS
37	Improved photovoltaic performance and robustness of all-polymer solar cells enabled by a polyfullerene guest acceptor. <i>Nature Communications</i> , 2023, 14, .	13.7	139
38	Eco-friendly perovskite solar cells: From materials design to device processing and recycling. <i>EcoMat</i> , 2023, 5, .	11.6	36
39	Strain Regulation via Pseudo Halide-Based Ionic Liquid toward Efficient and Stable $\text{FAPbI}_3$ Inverted Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2023, 13, .	22.5	79
40	Rashba Band Splitting and Bulk Photovoltaic Effect Induced by Halogen Bonds in Hybrid Layered Perovskites. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	17
41	Highly Disordered Fe-Doped $\text{CeO}_2$ with Oxygen Vacancies Facilitates Electrocatalytic Water Oxidation. <i>Energy &amp; Fuels</i> , 2023, 37, 9434-9443.	5.2	25
42	Underlayer engineering of grain strain toward efficient and stable tin perovskite solar cells. <i>Materials Chemistry Frontiers</i> , 2023, 7, 3406-3413.	6.1	10
43	Highly Efficient Perovskite/Organic Tandem Solar Cells Enabled by Mixed-Cation Surface Modulation. <i>Advanced Materials</i> , 2023, 35, .	24.5	77
44	Stabilized hole-selective layer for high-performance inverted p-i-n perovskite solar cells. <i>Science</i> , 2023, 382, 284-289.	36.2	624
45	Efficient Solar-Driven Water Splitting Enabled by Perovskite Photovoltaics and a Halogen-Modulated Metal-Organic Framework Electrocatalyst. <i>ACS Nano</i> , 2023, 17, 23478-23487.	15.3	29
46	Interfacial Engineering of Wide-Bandgap Perovskites for Efficient Perovskite/CZTSSe Tandem Solar Cells. <i>Advanced Functional Materials</i> , 2022, 32, .	17.0	72
47	An effective and economical encapsulation method for trapping lead leakage in rigid and flexible perovskite photovoltaics. <i>Nano Energy</i> , 2022, 93, 106853.	16.2	101
48	A Vinylene-Linker-Based Polymer Acceptor Featuring a Coplanar and Rigid Molecular Conformation Enables High-Performance All-Polymer Solar Cells with Over 17% Efficiency. <i>Advanced Materials</i> , 2022, 34, .	24.5	223
49	Plasmonic Local Heating Induced Strain Modulation for Enhanced Efficiency and Stability of Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2022, 12, .	22.5	34
50	Confined Growth of Silver-Copper Janus Nanostructures with {100} Facets for Highly Selective Tandem Electrocatalytic Carbon Dioxide Reduction. <i>Advanced Materials</i> , 2022, 34, .	24.5	224
51	Sulfonated Graphene Aerogels Enable Safe-Use Flexible Perovskite Solar Modules. <i>Advanced Energy Materials</i> , 2022, 12, .	22.5	71
52	Interface functionalization in inverted perovskite solar cells: From material perspective. <i>Nano Research Energy</i> , 2022, 1, e9120011.	19.6	61
53	Efficient and stable $\text{Cs}_2\text{AgBiBr}_6$ double perovskite solar cells through in-situ surface modulation. <i>Chemical Engineering Journal</i> , 2022, 446, 137144.	12.0	85
54	Freestanding 2D NiFe Metal-Organic Framework Nanosheets: Facilitating Proton Transfer via Organic Ligands for Efficient Oxygen Evolution Reaction. <i>Small</i> , 2022, 18, .	11.5	52

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55	An Improbable Amino-Functionalized Fullerene Spacer Enables 2D/3D Hybrid Perovskite with Enhanced Electron Transport in Solar Cells. <i>Advanced Functional Materials</i> , 2022, 32, .	17.0	23
56	Efficient and Stable Tin Perovskite Solar Cells by Pyridine-Functionalized Fullerene with Reduced Interfacial Energy Loss. <i>Advanced Functional Materials</i> , 2022, 32, .	17.0	112
57	Efficient and Stable 3D/2D Perovskite Solar Cells through Vertical Heterostructures with (BA) <sub>4</sub> AgBiBr <sub>8</sub> Nanosheets. <i>Advanced Materials</i> , 2022, 34, .	24.5	36
58	Atomically Thin, Ionic-Covalent Organic Nanosheets for Stable, High-Performance Carbon Dioxide Electroreduction. <i>Advanced Materials</i> , 2022, 34, .	24.5	57
59	A self-arranged metal-organic polyhedron/fullerene asymmetric structure improves the performance of inverted perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2022, 10, 14542-14548.	5.1	12
60	Modulating the deep-level defects and charge extraction for efficient perovskite solar cells with high fill factor over 86%. <i>Energy and Environmental Science</i> , 2022, 15, 4813-4822.	30.8	164
61	Effects of Cationic and Anionic Defects on NiFe LDH in Electrocatalytic Oxygen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 14474-14485.	6.9	67
62	Boosting the Fill Factor through Sequential Deposition and Homo Hydrocarbon Solvent toward Efficient and Stable All-Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2022, 12, .	22.5	56
63	Recent advances in developing high-performance organic hole transporting materials for inverted perovskite solar cells. <i>Frontiers of Optoelectronics</i> , 2022, 15, .	4.0	40
64	Low-Temperature Processed Carbon Electrode-Based Inorganic Perovskite Solar Cells with Enhanced Photovoltaic Performance and Stability. <i>Energy and Environmental Materials</i> , 2021, 4, 95-102.	13.9	36
65	All-Inorganic CsPbI <sub>3</sub> Quantum Dot Solar Cells with Efficiency over 16% by Defect Control. <i>Advanced Functional Materials</i> , 2021, 31, .	17.0	152
66	A simple paper-based colorimetric analytical device for rapid detection of <i>Enterococcus faecalis</i> under the stress of chlorophenols. <i>Talanta</i> , 2021, 225, 121966.	5.9	17
67	Over 17% Efficiency Binary Organic Solar Cells with Photoresponses Reaching 1000 nm Enabled by Selenophene-Fused Nonfullerene Acceptors. <i>ACS Energy Letters</i> , 2021, 6, 9-15.	17.0	175
68	Modulated FeCo nanoparticle in situ growth on the carbon matrix for high-performance oxygen catalysts. <i>Materials Today Energy</i> , 2021, 19, 100610.	5.1	22
69	Dopant-free dicyanofluoranthene-based hole transporting material with low cost enables efficient flexible perovskite solar cells. <i>Nano Energy</i> , 2021, 82, 105701.	16.2	88
70	Asymmetric Acceptors Enabling Organic Solar Cells to Achieve an over 17% Efficiency: Conformation Effects on Regulating Molecular Properties and Suppressing Nonradiative Energy Loss. <i>Advanced Energy Materials</i> , 2021, 11, .	22.5	155
71	Gold-based nanoalloys: synthetic methods and catalytic applications. <i>Journal of Materials Chemistry A</i> , 2021, 9, 19025-19053.	9.3	29
72	Improved stability and efficiency of perovskite/organic tandem solar cells with an all-inorganic perovskite layer. <i>Journal of Materials Chemistry A</i> , 2021, 9, 19778-19787.	9.3	95

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73	Pseudo-bilayer architecture enables high-performance organic solar cells with enhanced exciton diffusion length. <i>Nature Communications</i> , 2021, 12, .	13.7	214
74	Modifying Surface Termination of CsPbI <sub>3</sub> Grain Boundaries by 2D Perovskite Layer for Efficient and Stable Photovoltaics. <i>Advanced Functional Materials</i> , 2021, 31, .	17.0	86
75	Efficient Inverted Perovskite Solar Cells with Low Voltage Loss Achieved by a Pyridine-Based Dopant-Free Polymer Semiconductor. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7227-7233.	14.4	150
76	Efficient Inverted Perovskite Solar Cells with Low Voltage Loss Achieved by a Pyridine-Based Dopant-Free Polymer Semiconductor. <i>Angewandte Chemie</i> , 2021, 133, 7303-7309.	1.4	20
77	High Efficiency (15.8%) All-Polymer Solar Cells Enabled by a Regioregular Narrow Bandgap Polymer Acceptor. <i>Journal of the American Chemical Society</i> , 2021, 143, 2665-2670.	15.0	307
78	Highly Efficient and Rapid Inactivation of Coronavirus on Non-Metal Hydrophobic Laser-Induced Graphene in Mild Conditions. <i>Advanced Functional Materials</i> , 2021, 31, .	17.0	58
79	Technical Challenges and Perspectives for the Commercialization of Solution-Processable Solar Cells. <i>Advanced Materials Technologies</i> , 2021, 6, .	5.8	86
80	Multi-Selenophene-Containing Narrow Bandgap Polymer Acceptors for All-Polymer Solar Cells with over 15% Efficiency and High Reproducibility. <i>Angewandte Chemie</i> , 2021, 133, 16071-16079.	1.4	6
81	Dopant-Free Hole-Transporting Material with Enhanced Intermolecular Interaction for Efficient and Stable n-p Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2021, 11, .	22.5	74
82	Multi-Selenophene-Containing Narrow Bandgap Polymer Acceptors for All-Polymer Solar Cells with over 15% Efficiency and High Reproducibility. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15935-15943.	14.4	156
83	Recent Progresses in Electrochemical Carbon Dioxide Reduction on Copper-Based Catalysts toward Multicarbon Products. <i>Advanced Functional Materials</i> , 2021, 31, .	17.0	265
84	Asymmetric Isomer Effects in Benzo[c][1,2,5]thiadiazole-Fused Nonacyclic Acceptors: Dielectric Constant and Molecular Crystallinity Control for Significant Photovoltaic Performance Enhancement. <i>Advanced Functional Materials</i> , 2021, 31, .	17.0	59
85	Synergistical Dipole-Dipole Interaction Induced Self-Assembly of Phenoxazine-Based Hole-Transporting Materials for Efficient and Stable Inverted Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2021, 133, 20600-20605.	1.4	19
86	Synergistical Dipole-Dipole Interaction Induced Self-Assembly of Phenoxazine-Based Hole-Transporting Materials for Efficient and Stable Inverted Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20437-20442.	14.4	93
87	Highly efficient and stable perovskite solar cells enabled by a fluoro-functionalized TiO <sub>2</sub> inorganic interlayer. <i>Matter</i> , 2021, 4, 3301-3312.	16.0	31
88	Impermeable inorganic "walls" sandwiching perovskite layer toward inverted and indoor photovoltaic devices. <i>Nano Energy</i> , 2021, 88, 106286.	16.2	32
89	Interface Engineering for All-Inorganic CsPbI <sub>3</sub> Perovskite Solar Cells with Enhanced Power Conversion Efficiency over 11%. <i>Energy Technology</i> , 2021, 9, .	3.4	25
90	Designs from single junctions, heterojunctions to multijunctions for high-performance perovskite solar cells. <i>Chemical Society Reviews</i> , 2021, 50, 13090-13128.	37.7	199

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91	Enabling High Efficiency of Hydrocarbon-Solvent Processed Organic Solar Cells through Balanced Charge Generation and Non-Radiative Loss. <i>Advanced Energy Materials</i> , 2021, 11, .	22.5	85
92	Selenium-Containing Organic Photovoltaic Materials. <i>Accounts of Chemical Research</i> , 2021, 54, 3906-3916.	17.0	154
93	Low-Bandgap Organic Bulk-Heterojunction Enabled Efficient and Flexible Perovskite Solar Cells. <i>Advanced Materials</i> , 2021, 33, .	24.5	152
94	Surface engineered CoP/Co <sub>3</sub> O <sub>4</sub> heterojunction for high-performance bi-functional water splitting electro-catalysis. <i>Nanoscale</i> , 2021, 13, 20281-20288.	5.0	42
95	Highly efficient all-inorganic perovskite solar cells with suppressed non-radiative recombination by a Lewis base. <i>Nature Communications</i> , 2020, 11, .	13.7	551
96	Vertical Orientated Dion-Jacobson Quasi-2D Perovskite Film with Improved Photovoltaic Performance and Stability. <i>Small Methods</i> , 2020, 4, .	9.0	117
97	Improving Photovoltaic Performance Using Perovskite/Surface-Modified Graphitic Carbon Nitride Heterojunction. <i>Solar Rrl</i> , 2020, 4, .	4.6	46
98	Minimized surface deficiency on wide-bandgap perovskite for efficient indoor photovoltaics. <i>Nano Energy</i> , 2020, 78, 105377.	16.2	103
99	Regulating Surface Termination for Efficient Inverted Perovskite Solar Cells with Greater Than 23% Efficiency. <i>Journal of the American Chemical Society</i> , 2020, 142, 20134-20142.	15.0	612
100	2D metal-organic framework for stable perovskite solar cells with minimized lead leakage. <i>Nature Nanotechnology</i> , 2020, 15, 934-940.	32.2	362
101	A Non-fullerene Acceptor with Enhanced Intermolecular $\pi$ -Core Interaction for High-Performance Organic Solar Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 15246-15251.	15.0	346
102	A Generally Applicable Approach Using Sequential Deposition to Enable Highly Efficient Organic Solar Cells. <i>Small Methods</i> , 2020, 4, .	9.0	102
103	Strongly Coupled NiCo <sub>2</sub> O <sub>4</sub> Nanocrystal/MXene Hybrid through In Situ Ni/Co-F Bonds for Efficient Wearable Zn-Air Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 44639-44647.	8.0	118
104	Composition Engineering of All-Inorganic Perovskite Film for Efficient and Operationally Stable Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, .	17.0	91
105	Interfacial Modification through a Multifunctional Molecule for Inorganic Perovskite Solar Cells with over 18% Efficiency. <i>Solar Rrl</i> , 2020, 4, .	4.6	43
106	Modulation of Defects and Interfaces through Alkylammonium Interlayer for Efficient Inverted Perovskite Solar Cells. <i>Joule</i> , 2020, 4, 1248-1262.	25.7	362
107	Dopant-Free Crossconjugated Hole-Transporting Polymers for Highly Efficient Perovskite Solar Cells. <i>Advanced Science</i> , 2020, 7, .	12.6	76
108	Hybrid Perovskite-Organic Flexible Tandem Solar Cell Enabling Highly Efficient Electrocatalysis Overall Water Splitting. <i>Advanced Energy Materials</i> , 2020, 10, .	22.5	112

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109	Dopant-free Organic Hole-transporting Material for Efficient and Stable Inverted All-inorganic and Hybrid Perovskite Solar Cells. <i>Advanced Materials</i> , 2020, 32, .	24.5	237
110	Exploitation of two-dimensional conjugated covalent organic frameworks based on tetraphenylethylene with bicarbazole and pyrene units and applications in perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11448-11459.	9.3	127
111	Trihydrazine Dihydriodide-assisted Fabrication of Efficient Formamidinium Tin Iodide Perovskite Solar Cells. <i>Solar Rrl</i> , 2019, 3, .	4.6	42
112	Exploring Overall Photoelectric Applications by Organic Materials Containing Symmetric Donor Isomers. <i>Chemistry of Materials</i> , 2019, 31, 8810-8819.	6.7	15
113	Boosting the Performance of Environmentally Friendly Quantum Dot-sensitized Solar Cells over 13% Efficiency by Dual Sensitizers with Cascade Energy Structure. <i>Advanced Materials</i> , 2019, 31, .	24.5	66
114	A 0D/3D Heterostructured All-inorganic Halide Perovskite Solar Cell with High Performance and Enhanced Phase Stability. <i>Advanced Materials</i> , 2019, 31, .	24.5	148
115	A Dopant-free Polymeric Hole-transporting Material Enabled High Fill Factor Over 81% for Highly Efficient Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, .	22.5	110
116	Dopant-free Squaraine-based Polymeric Hole-transporting Materials with Comprehensive Passivation Effects for Efficient All-inorganic Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2019, 131, 17888-17894.	1.4	23
117	Enhanced Near-infrared Photoresponse of Inverted Perovskite Solar Cells Through Rational Design of Bulk-heterojunction Electron-transporting Layers. <i>Advanced Science</i> , 2019, 6, .	12.6	31
118	Dopant-free Squaraine-based Polymeric Hole-transporting Materials with Comprehensive Passivation Effects for Efficient All-inorganic Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17724-17730.	14.4	129
119	Theoretical calculation guided electrocatalysts design: Nitrogen saturated porous Mo <sub>2</sub> C nanostructures for hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117891.	20.5	53
120	Engineering Ternary Copper-Cobalt Sulfide Nanosheets as High-performance Electrocatalysts toward Oxygen Evolution Reaction. <i>Catalysts</i> , 2019, 9, 459.	3.7	27
121	Boosting Photovoltaic Performance for Lead Halide Perovskites Solar Cells with BF <sub>4</sub> <sup>-</sup> Anion Substitutions. <i>Advanced Functional Materials</i> , 2019, 29, .	17.0	151
122	Improved Efficiency and Stability of Pb/Sn Binary Perovskite Solar Cells Fabricated by Galvanic Displacement Reaction. <i>Advanced Energy Materials</i> , 2019, 9, .	22.5	82
123	Excess Cesium Iodide Induces Spinodal Decomposition of CsPbI <sub>2</sub> Br Perovskite Films. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 194-199.	4.2	76
124	Fluoranthene-based dopant-free hole transporting materials for efficient perovskite solar cells. <i>Chemical Science</i> , 2018, 9, 2698-2704.	7.1	131
125	Tunable Band Gap and Long Carrier Recombination Lifetime of Stable Mixed CH <sub>3</sub> NH <sub>3</sub> Pb <sub>x</sub> Sn <sub>1-x</sub> Br <sub>3</sub> Single Crystals. <i>Chemistry of Materials</i> , 2018, 30, 1556-1565.	6.7	133
126	Realizing Efficient Lead-free Formamidinium Tin Triiodide Perovskite Solar Cells via a Sequential Deposition Route. <i>Advanced Materials</i> , 2018, 30, .	24.5	228

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127	Nonfullerene Acceptor Molecules for Bulk Heterojunction Organic Solar Cells. <i>Chemical Reviews</i> , 2018, 118, 3447-3507.	52.6	1,599
128	Highly Efficient and Stable Perovskite Solar Cells Enabled by All-Crosslinked Charge-Transporting Layers. <i>Joule</i> , 2018, 2, 168-183.	25.7	121
129	A Nonfullerene Semitransparent Tandem Organic Solar Cell with 10.5% Power Conversion Efficiency. <i>Advanced Energy Materials</i> , 2018, 8, .	22.5	103
130	Mapping Nonfullerene Acceptors with a Novel Wide Bandgap Polymer for High Performance Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, .	22.5	51
131	Interface Engineering for All-Inorganic CsPb <sub>2</sub> Br Perovskite Solar Cells with Efficiency over 14%. <i>Advanced Materials</i> , 2018, 30, .	24.5	384
132	Inorganic CsPb <sub>1-x</sub> Sn <sub>x</sub> IBr <sub>2</sub> for Efficient Wide-Bandgap Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, .	22.5	226
133	Efficient and UV-stable perovskite solar cells enabled by side chain-engineered polymeric hole-transporting layers. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12999-13004.	9.3	49
134	Carbon quantum dots as a visible light sensitizer to significantly increase the solar water splitting performance of bismuth vanadate photoanodes. <i>Energy and Environmental Science</i> , 2017, 10, 772-779.	30.8	366
135	Low-temperature electrodeposited crystalline SnO <sub>2</sub> as an efficient electron-transporting layer for conventional perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017, 164, 47-55.	6.1	92
136	Spiro-Phenylpyrazole-Thioxanthene Analogues as Hole-Transporting Materials for Efficient Planar Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, .	22.5	82
137	Enhanced Moisture Stability of Cesium-Containing Compositional Perovskites by a Feasible Interfacial Engineering. <i>Advanced Materials Interfaces</i> , 2017, 4, .	4.0	76
138	4-Tert-butylpyridine Free Organic Hole Transporting Materials for Stable and Efficient Planar Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, .	22.5	145
139	Highly Efficient Porphyrin-Based OPV/Perovskite Hybrid Solar Cells with Extended Photoresponse and High Fill Factor. <i>Advanced Materials</i> , 2017, 29, .	24.5	192
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