Jihuai Wu

List of Publications by Year
in descending order

536 papers	24,222 citations	9254 74 h-index	15716 125 g-index
537 all docs	537 docs citations	537 times ranked	20186 citing authors

#	Article	IF	Citations
1	Hotspots, frontiers, and emerging trends of tandem solar cell research: A comprehensive review. International Journal of Energy Research, 2022, 46, 104-123.	2.2	12
2	n-type absorber by Cd2+ doping achieves high-performance carbon-based CsPbIBr2 perovskite solar cells. Journal of Colloid and Interface Science, 2022, 608, 40-47.	5.0	30
3	Ti3C2T MXene supported SnO2 quantum dots with oxygen vacancies as anode for Li-ion capacitors. Chemical Engineering Journal, 2022, 428, 131993.	6.6	49
4	Enhancing efficiency of perovskite solar cells from surface passivation of Co2+ doped CuGaO2 nanocrystals. Journal of Colloid and Interface Science, 2022, 607, 1280-1286.	5.0	11
5	Electron transport improvement of perovskite solar cells via intercalation of Na doped TiO2 from metal-organic framework MIL-125(Ti). Applied Surface Science, 2022, 574, 151735.	3.1	8
6	Efficient and Stable Carbonâ€Based CsPbIBr₂ Perovskite Solar Cells by 4â€Aminomethyltetrahydropyran Acetate Modification. Advanced Materials Interfaces, 2022, 9, 2101463.	1.9	11
7	Interface modification by formamidine acetate for efficient perovskite solar cells. Solar Energy, 2022, 232, 304-311.	2.9	9
8	Stability enhancement of perovskite solar cells via multi-point ultraviolet-curing-based protection. Journal of Power Sources, 2022, 520, 230906.	4.0	7
9	Ion-pore size match effects and high-performance cucurbit[8]uril-carbon-based supercapacitors. Electrochimica Acta, 2022, 405, 139827.	2.6	9
10	Simultaneously Mitigating Anion and Cation Defects Both in Bulk and Interface for Highâ€Effective Perovskite Solar Cells. Solar Rrl, 2022, 6, .	3.1	2
11	Face-on oriented hydrophobic conjugated polymers as dopant-free hole-transport materials for efficient and stable perovskite solar cells with a fill factor approaching 85%. Journal of Materials Chemistry A, 2022, 10, 3409-3417.	5.2	19
12	Interlayer Modification Using Phenylethylamine Tetrafluoroborate for Highly Effective Perovskite Solar Cells. ACS Applied Energy Materials, 2022, 5, 658-666.	2.5	8
13	5â€Chloroindole as Interface Modifier to Improve the Efficiency and Stability of Planar Perovskite Solar Cells. Solar Rrl, 2022, 6, .	3.1	9
14	A green Bi-Solvent system for processing high-quality CsPbBr3 films in efficient all-inorganic perovskite solar cells. Materials Today Physics, 2022, 22, 100614.	2.9	18
15	Surface dipole affords high-performance carbon-based CsPbI2Br perovskite solar cells. Chemical Engineering Journal, 2022, 433, 134611.	6.6	24
16	PbS/CdS heterojunction thin layer affords high-performance carbon-based all-inorganic solar cells. Nano Energy, 2022, 95, 106973.	8.2	54
17	Bulky ammonium iodide and in-situ formed 2D Ruddlesden-Popper layer enhances the stability and efficiency of perovskite solar cells. Journal of Colloid and Interface Science, 2022, 614, 247-255.	5.0	12
18	Zinc and Acetate Co-doping for Stable Carbon-Based CsPbIBr₂ Solar Cells with Efficiency over 10.6%. ACS Applied Energy Materials, 2022, 5, 2720-2726.	2.5	4

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19	Deciphering the Reduced Loss in High Fill Factor Inverted Perovskite Solar Cells with Methoxy-Substituted Poly(Triarylamine) as the Hole Selective Contact. ACS Applied Materials & Interfaces, 2022, 14, 12640-12651.	4.0	11
20	Interfacial Defect Passivation Effect of <i>N</i>-Methyl-<i>N</i>-(thien-2-ylmethyl)amine for Highly Effective Perovskite Solar Cells. ACS Applied Energy Materials, 2022, 5, 4270-4278.	2.5	2
21	High-efficiency and ultraviolet stable carbon-based CsPbIBr2 solar cells from single crystal three-dimensional anatase titanium dioxide nanoarrays with ultraviolet light shielding function. Journal of Colloid and Interface Science, 2022, 616, 201-209.	5.0	9
22	Selfâ€Activation Enables Cationic and Anionic Coâ€Storage in Organic Frameworks. Advanced Energy Materials, 2022, 12, .	10.2	11
23	Multifunctional Molecule Modification toward Efficient Carbonâ€Based Allâ€Inorganic CsPbIBr₂ Perovskite Solar Cells. Advanced Sustainable Systems, 2022, 6, .	2.7	15
24	Single-crystalline TiO2 nanoparticles for stable and efficient perovskite modules. Nature Nanotechnology, 2022, 17, 598-605.	15.6	121
25	4-Hydroxy-2,2,6,6-tetramethylpiperidine as a Bifunctional Interface Modifier for High-Efficiency and Stable Perovskite Solar Cells. ACS Applied Energy Materials, 2022, 5, 6754-6763.	2.5	3
26	Performance Improvement of Planar Perovskite Solar Cells Using Lauric Acid as Interfacial Modifier. ACS Applied Energy Materials, 2022, 5, 8501-8509.	2.5	2
27	Polarized Molecule 4-(Aminomethyl) Benzonitrile Hydrochloride for Efficient and Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 33383-33391.	4.0	7
28	Two-step hydrothermal synthesis of a fireworks-like amorphous Co3S4 for asymmetric supercapacitors with superior cycling stability. Electrochimica Acta, 2022, 426, 140777.	2.6	5
29	Efficiency improvement of perovskite solar cell utilizing cystamine dihydrochloride for interface modification. Materials Research Bulletin, 2022, 155, 111949.	2.7	5
30	Multifunctional molecule of potassium nonafluoro-1-butanesulfonate for high-efficient perovskite solar cells. Chemical Engineering Journal, 2022, 449, 137851.	6.6	24
31	Surface passivation using pyridinium iodide for highly efficient planar perovskite solar cells. Journal of Energy Chemistry, 2021, 52, 84-91.	7.1	95
32	Excellent quinoline additive in perovskite toward to efficient and stable perovskite solar cells. Journal of Power Sources, 2021, 481, 228857.	4.0	43
33	Electropolymerization and application of polyoxometalate-doped polypyrrole film electrodes in dye-sensitized solar cells. Electrochemistry Communications, 2021, 122, 106879.	2.3	25
34	Microwave-mechanochemistry-assisted synthesis of Z-scheme HSr2Nb3O10/WO3 heterojunctions for improved simulated sunlight driven photocatalytic activity. Journal of Environmental Chemical Engineering, 2021, 9, 104624.	3.3	8
35	A dye-sensitized solar cell based on magnetic CoP@FeP₄@Carbon composite counter electrode generated an efficiency of 9.88%. Inorganic Chemistry Frontiers, 2021, 8, 5034-5044.	3.0	13
36	Enhanced photovoltage and stability of perovskite photovoltaics enabled by a cyclohexylmethylammonium iodide-based 2D perovskite passivation layer. Nanoscale, 2021, 13, 14915-14924.	2.8	16

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37	Postpassivation of Cs_{0.05}(FA_{0.83}MA_{0.17})_{0.95}Pb(I_{0.83}Br_{0.17})<sub>3</sub Perovskite Films with Tris(pentafluorophenyl)borane. ACS Applied Materials & Interfaces, 2021, 13, 2472-2482.	4.0	34
38	Highly efficient and stable planar perovskite solar cells with K₃[Fe(CN)₆]-doped spiro-OMeTAD. Journal of Materials Chemistry C, 2021, 9, 7726-7733.	2.7	20
39	Supermolecule Cucurbituril Subnanoporous Carbon Supercapacitor (SCSCS). Nano Letters, 2021, 21, 2156-2164.	4.5	40
40	Plasmonâ€Enhanced Perovskite Solar Cells with Efficiency Beyond 21â€‰%: The Asynchronous Synergistic Effect of Water and Gold Nanorods. ChemPlusChem, 2021, 86, 291-297.	1.3	29
41	High-Efficiency, Low-Hysteresis Planar Perovskite Solar Cells by Inserting the NaBr Interlayer. ACS Applied Materials & Interfaces, 2021, 13, 20251-20259.	4.0	15
42	Sodium Molybdate-Assisted Synthesis of a Cobalt Phosphide Hybrid Counter Electrode for Highly Efficient Dye-Sensitized Solar Cells. ACS Applied Energy Materials, 2021, 4, 3851-3860.	2.5	20
43	In Situ Interface Engineering with a Spiroâ€OMeTAD/CoO Hierarchical Structure via Oneâ€Step Spinâ€Coating for Efficient and Stable Perovskite Solar Cells. Advanced Materials Interfaces, 2021, 8, 2002041.	1.9	2
44	CoFe2O4 nanocrystals for interface engineering to enhance performance of perovskite solar cells. Solar Energy, 2021, 220, 400-405.	2.9	9
45	Spiro-OMeTAD doped with cumene hydroperoxide for perovskite solar cells. Electrochemistry Communications, 2021, 126, 107020.	2.3	7
46	Kalium persulfate as a low-cost and effective dopant for spiro-OMeTAD in high performance and stable planar perovskite solar cells. Electrochimica Acta, 2021, 380, 138233.	2.6	24
47	Additive Engineering by 6-Aminoquinoline Monohydrochloride for High-Performance Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 7083-7090.	2.5	9
48	Cucurbit[8]uril-derived porous carbon as high-performance electrode material for ionic liquid-based supercapacitor. Journal of Energy Storage, 2021, 38, 102527.	3.9	11
49	Carbon-Based Stable CsPbIBr₂ Solar Cells with Efficiency of over 10% from Bifunctional Quinoline Sulfate Modification. ACS Applied Energy Materials, 2021, 4, 5747-5755.	2.5	13
50	Marked Passivation Effect of Naphthaleneâ€1,8â€Dicarboximides in Highâ€Performance Perovskite Solar Cells. Advanced Materials, 2021, 33, e2008405.	11.1	116
51	Highâ€Efficiency Carbonâ€Based CsPbIBr₂ Solar Cells with Interfacial Energy Loss Suppressed by a Thin Bulkâ€Heterojunction Layer. Solar Rrl, 2021, 5, 2100375.	3.1	30
52	Multifunctional 2D perovskite capping layer using cyclohexylmethylammonium bromide for highly efficient and stable perovskite solar cells. Materials Today Physics, 2021, 21, 100543.	2.9	14
53	Efficient and Stable 2D@3D/2D Perovskite Solar Cells Based on Dual Optimization of Grain Boundary and Interface. ACS Energy Letters, 2021, 6, 3614-3623.	8.8	113
54	Chromium trioxide modified spiro-OMeTAD for highly efficient and stable planar perovskite solar cells. Journal of Energy Chemistry, 2021, 61, 386-394.	7.1	17

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55	TiO2 nanotubes supported ultrafine MnCo2O4 nanoparticles as a superior-performance anode for lithium-ion capacitors. International Journal of Hydrogen Energy, 2021, 46, 35330-35341.	3.8	8
56	Ligand exchange of SnO2 effectively improving the efficiency of flexible perovskite solar cells. Journal of Alloys and Compounds, 2021, 883, 160827.	2.8	14
57	Alkali Metal Fluoride-Modified Tin Oxide for nâ€“iâ€“p Planar Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 50083-50092.	4.0	12
58	Phthalide and 1â€Iodooctadecane Synergistic Optimization for Highly Efficient and Stable Perovskite Solar Cells. Small, 2021, 17, e2103336.	5.2	23
59	Defect Passivation through Cyclohexylethylamine Post-treatment for High-Performance and Stable Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 12848-12857.	2.5	6
60	Surface Reconstruction and In Situ Formation of 2D Layer for Efficient and Stable 2D/3D Perovskite Solar Cells. Small Methods, 2021, 5, e2101000.	4.6	33
61	High-Performance Perovskite Solar Cells by Doping Didodecyl Dimethyl Ammonium Bromide in the Hole Transport Layer. ACS Applied Energy Materials, 2021, 4, 13471-13481.	2.5	2
62	Ammonium Fluoride Interface Modification for Highâ€Performance and Longâ€Term Stable Perovskite Solar Cells. Energy Technology, 2020, 8, 1901017.	1.8	12
63	Synergy of Plasmonic Silver Nanorod and Water for Enhanced Planar Perovskite Photovoltaic Devices. Solar Rrl, 2020, 4, 1900231.	3.1	26
64	Sequential Processing: Crystallization of Ultrasmooth FA 1â€“ x MA x PbI 3 Perovskite Layers for Highly Efficient and Stable Planar Solar Cells. Solar Rrl, 2020, 4, 1900183.	3.1	7
65	Regulation of Interfacial Charge Transfer and Recombination for Efficient Planar Perovskite Solar Cells. Solar Rrl, 2020, 4, 1900198.	3.1	46
66	CoBr₂-doping-induced efficiency improvement of CsPbBr₃ planar perovskite solar cells. Journal of Materials Chemistry C, 2020, 8, 1649-1655.	2.7	37
67	Efficient mesoscopic perovskite solar cells from emulsion-based bottom-up self-assembled TiO2 microspheres. Journal of Materials Science: Materials in Electronics, 2020, 31, 1969-1975.	1.1	0
68	Application of CoV-LDH nano-flower in asymmetric supercapacitors with high electrochemical properties. Electrochimica Acta, 2020, 336, 135550.	2.6	28
69	Improving perovskite solar cells photovoltaic performance using tetrabutylammonium salt as additive. Journal of Power Sources, 2020, 450, 227623.	4.0	28
70	Suppressing Vacancy Defects and Grain Boundaries via Ostwald Ripening for Highâ€Performance and Stable Perovskite Solar Cells. Advanced Materials, 2020, 32, e1904347.	11.1	172
71	Visible-light-driven HSr2Nb3O10/CdS heterojunctions for high hydrogen evolution activity. International Journal of Hydrogen Energy, 2020, 45, 2896-2908.	3.8	16
72	Highly efficient tin perovskite solar cells achieved in a wide oxygen concentration range. Journal of Materials Chemistry A, 2020, 8, 2760-2768.	5.2	85

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73	High energy density and low self-discharge of a quasi-solid-state supercapacitor with carbon nanotubes incorporated redox-active ionic liquid-based gel polymer electrolyte. Electrochimica Acta, 2020, 331, 135425.	2.6	119
74	High efficiency and stability of perovskite solar cells from Ï€-conjugated 5-(Fmoc-amino) valeric acid modification. Organic Electronics, 2020, 87, 105982.	1.4	8
75	Single Source, Surfactantâ€Free, and Oneâ€Step Solvothermal Route Synthesized TiO₂ Microspheres for Highly Efficient Mesoscopic Perovskite Solar Cells. Solar Rrl, 2020, 4, 2000519.	3.1	7
76	Interfacial defect passivation by chenodeoxycholic acid for efficient and stable perovskite solar cells. Journal of Power Sources, 2020, 472, 228502.	4.0	21
77	Design of a redox-active â€œwater-in-saltâ€•hydrogel polymer electrolyte for superior-performance quasi-solid-state supercapacitors. New Journal of Chemistry, 2020, 44, 17070-17078.	1.4	13
78	Highly efficient and stable perovskite solar cells using thionyl chloride as a p-type dopant for spiro-OMeTAD. Journal of Alloys and Compounds, 2020, 847, 156500.	2.8	19
79	Strong electron acceptor additive based spiro-OMeTAD for high-performance and hysteresis-less planar perovskite solar cells. RSC Advances, 2020, 10, 38736-38745.	1.7	12
80	Additive Engineering by Bifunctional Guanidine Sulfamate for Highly Efficient and Stable Perovskites Solar Cells. Small, 2020, 16, e2004877.	5.2	35
81	High-capacity MnCo2O4 supported by reduced graphene oxide as an anode for lithium-ion capacitors. Journal of Energy Storage, 2020, 30, 101427.	3.9	16
82	Building Lithiophilic Ionâ€Conduction Highways on Garnetâ€Type Solidâ€State Li⁺ Conductors. Advanced Energy Materials, 2020, 10, 1904230.	10.2	62
83	Improved redox-active ionic liquid-based ionogel electrolyte by introducing carbon nanotubes for application in all-solid-state supercapacitors. International Journal of Hydrogen Energy, 2020, 45, 17131-17139.	3.8	88
84	Combustion procedure deposited SnO2 electron transport layers for high efficient perovskite solar cells. Journal of Alloys and Compounds, 2020, 844, 156032.	2.8	34
85	Basic magnesium-doped nickel-based electrodes with card-on-lawn structure for supercapacitor with high energy density. Journal of Electroanalytical Chemistry, 2020, 863, 114040.	1.9	8
86	Defect control in perovskite solar cells by interfacial engineering using iodobenzene diacetate. Journal of Alloys and Compounds, 2020, 825, 154035.	2.8	10
87	Defect Control Strategy by Bifunctional Thioacetamide at Low Temperature for Highly Efficient Planar Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 12883-12891.	4.0	24
88	T-ZnOw/ZnONP Double-Layer Composite Photoanode with One-Dimensional Low-Resistance Photoelectron Channels for High-Efficiency DSSCs. Journal of Physical Chemistry C, 2020, 124, 4408-4413.	1.5	3
89	Highly Efficient CsPbBr₃ Planar Perovskite Solar Cells via Additive Engineering with NH₄SCN. ACS Applied Materials & Interfaces, 2020, 12, 10579-10587.	4.0	80
90	Polymeric Sulfur as a Li Ion Conductor. Nano Letters, 2020, 20, 2191-2196.	4.5	15

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91	Mesostructured perovskite solar cells based on Zn2SnO4 Single Crystal Mesoporous Layer with efficiency of 18.32%. Journal of Alloys and Compounds, 2020, 823, 153730.	2.8	12
92	Highâ€Efficiency Lowâ€Temperatureâ€Processed Mesoscopic Perovskite Solar Cells from SnO₂ Nanorod Selfâ€Assembled Microspheres. Solar Rrl, 2020, 4, 1900558.	3.1	21
93	Highâ€Performance Perovskite Solar Cells Using Iodine as Effective Dopant for Spiroâ€OMeTAD. Energy Technology, 2020, 8, 1901171.	1.8	14
94	Fabrication of UVâ€“Vis-NIR-driven photocatalysts Ag/Bi/BiOCl0.8Br0.2 with high catalytic activity. Separation and Purification Technology, 2019, 210, 281-291.	3.9	41
95	Efficient inverted planar perovskite solar cells based on inorganic hole-transport layers from nickel-containing organic sol. Functional Materials Letters, 2019, 12, 1850088.	0.7	7
96	Synergistic Cobalt Sulfide/Eggshell Membrane Carbon Electrode. ACS Applied Materials & Interfaces, 2019, 11, 32244-32250.	4.0	32
97	Toward Highly Reproducible, Efficient, and Stable Perovskite Solar Cells via Interface Engineering with CoO Nanoplates. ACS Applied Materials & Interfaces, 2019, 11, 32159-32168.	4.0	41
98	Facile synthesis of three-dimensional WO3-x/Bi/BiOCl hierarchical heterostructures with broad spectrum driven photocatalytic activity. Journal of Alloys and Compounds, 2019, 806, 418-427.	2.8	39
99	Enhanced Interfacial Binding and Electron Extraction Using Boronâ€Doped TiO₂ for Highly Efficient Hysteresisâ€Free Perovskite Solar Cells. Advanced Science, 2019, 6, 1901213.	5.6	80
100	Solvent engineering of LiTFSI towards high-efficiency planar perovskite solar cells. Solar Energy, 2019, 194, 321-328.	2.9	17
101	Self-assembled NiO microspheres for efficient inverted mesoscopic perovskite solar cells. Solar Energy, 2019, 193, 111-117.	2.9	18
102	A high-performance asymmetric supercapacitor based on Ni₃S₂-coated NiSe arrays as positive electrode. New Journal of Chemistry, 2019, 43, 2389-2399.	1.4	41
103	Improved photovoltaic performance of perovskite solar cells by utilizing down-conversion NaYF₄:Eu³⁺ nanophosphors. Journal of Materials Chemistry C, 2019, 7, 937-942.	2.7	40
104	High performance and stable perovskite solar cells using vanadic oxide as a dopant for spiro-OMeTAD. Journal of Materials Chemistry A, 2019, 7, 13256-13264.	5.2	81
105	Colloidal synthesis of Y-doped SnO2 nanocrystals for efficient and slight hysteresis planar perovskite solar cells. Solar Energy, 2019, 185, 508-515.	2.9	47
106	High performance perovskite solar cells based on Î^2-NaYF4:Yb3+/Er3+/Sc3+@NaYF4 core-shell upconversion nanoparticles. Journal of Power Sources, 2019, 426, 178-187.	4.0	65
107	Pyrrole: an additive for improving the efficiency and stability of perovskite solar cells. Journal of Materials Chemistry A, 2019, 7, 11764-11770.	5.2	61
108	One-step solvothermal synthesis of high-capacity Fe3O4/reduced graphene oxide composite for use in Li-ion capacitor. Journal of Alloys and Compounds, 2019, 788, 1119-1126.	2.8	42

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109	A C₆₀/TiO_x bilayer for conformal growth of perovskite films for UV stable perovskite solar cells. Journal of Materials Chemistry A, 2019, 7, 11086-11094.	5.2	64
110	Polymer Electrolyte Glue: A Universal Interfacial Modification Strategy for All-Solid-State Li Batteries. Nano Letters, 2019, 19, 2343-2349.	4.5	105
111	N-doped reduced graphene oxide decorated NiSe2 nanoparticles for high-performance asymmetric supercapacitors. Journal of Power Sources, 2019, 425, 60-68.	4.0	196
112	High efficiency and negligible hysteresis planar perovskite solar cells based on NiO nanocrystals modified TiO2 electron transport layers. Solar Energy, 2019, 181, 293-300.	2.9	16
113	Dual Functional Doping of KMnO4 in Spiro-OMeTAD for Highly Effective Planar Perovskite Solar Cells. ACS Applied Energy Materials, 2019, 2, 2188-2196.	2.5	22
114	Pierced ZnO nanosheets via a template-free photopolymerization in microemulsion. Journal of Alloys and Compounds, 2019, 787, 779-785.	2.8	15
115	High energy density and high working voltage of a quasi-solid-state supercapacitor with a redox-active ionic liquid added gel polymer electrolyte. New Journal of Chemistry, 2019, 43, 18935-18942.	1.4	29
116	A high-performance pseudocapacitive electrode material for supercapacitors based on the unique NiMoO4/NiO nanoflowers. Applied Surface Science, 2019, 463, 721-731.	3.1	89
117	Mixed-steam annealing treatment for perovskite films to improve solar cells performance. Solar Energy, 2019, 177, 299-305.	2.9	9
118	Hollow rod-like hybrid Co2CrO4/Co1âˆ'xS for high-performance asymmetric supercapacitor. Journal of Materials Science: Materials in Electronics, 2019, 30, 1045-1055.	1.1	4
119	Highly efficient inverted planar perovskite solar cells from TiO2 nanoparticles modified interfaces between NiO hole transport layers and conductive glasses. Journal of Materials Science: Materials in Electronics, 2019, 30, 529-536.	1.1	5
120	Co ions doped NiTe electrode material for asymmetric supercapacitor application. Journal of Alloys and Compounds, 2019, 776, 993-1001.	2.8	36
121	Interface engineering with NiO nanocrystals for highly efficient and stable planar perovskite solar cells. Electrochimica Acta, 2019, 293, 211-219.	2.6	56
122	Low-temperature solution-processing high quality Nb-doped SnO₂ nanocrystals-based electron transport layers for efficient planar perovskite solar cells. Functional Materials Letters, 2019, 12, 1850091.	0.7	21
123	High-Performance and Hysteresis-Free Perovskite Solar Cells Based on Rare-Earth-Doped SnO ₂ Mesoporous Scaffold. Research, 2019, 2019, 4049793.	2.8	35
124	In-situ growth of Se-doped NiTe on nickel foam as positive electrode material for high-performance asymmetric supercapacitor. Materials Chemistry and Physics, 2018, 211, 389-398.	2.0	38
125	Preparation of MnO2/porous carbon material with coreâ€"shell structure and its application in supercapacitor. Journal of Materials Science: Materials in Electronics, 2018, 29, 7957-7964.	1.1	6
126	The Difference Se Makes: A Bioâ€Inspired Dppfâ€Supported Nickel Selenolate Complex Boosts Dihydrogen Evolution with High Oxygen Tolerance. Chemistry - A European Journal, 2018, 24, 8275-8280.	1.7	26

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127	Cadmium sulfide as an efficient electron transport material for inverted planar perovskite solar cells. Chemical Communications, 2018, 54, 3170-3173.	2.2	41
128	Design of a novel redox-active gel polymer electrolyte with a dual-role ionic liquid for flexible supercapacitors. Electrochimica Acta, 2018, 268, 562-568.	2.6	92
129	Ligand-exchange TiO2 nanocrystals induced formation of high-quality electron transporting layers at low temperature for efficient planar perovskite solar cells. Solar Energy Materials and Solar Cells, 2018, 178, 65-73.	3.0	34
130	Hydrothermal Synthesis of Hybrid Rodâ€Like Hollow CoWO₄/Co_{1âˆ’<i>x</i>}S for Highâ€Performance Supercapacitors. ChemElectroChem, 2018, 5, 1047-1055.	1.7	30
131	Improved performance of CdSe/CdS co-sensitized solar cells adopting efficient CuS counter electrode modified by PbS film using SILAR method. Optics Communications, 2018, 412, 186-190.	1.0	6
132	Solvothermal fabrication of La-WO3/SrTiO3 heterojunction with high photocatalytic performance under visible light irradiation. Solar Energy Materials and Solar Cells, 2018, 176, 230-238.	3.0	46
133	Growth of Ni3Se2 nanosheets on Ni foam for asymmetric supercapacitors. Journal of Materials Science: Materials in Electronics, 2018, 29, 4649-4657.	1.1	33
134	Annealingâ€Free Cr₂O₃ Electronâ€Selective Layer for Efficient Hybrid Perovskite Solar Cells. ChemSusChem, 2018, 11, 619-628.	3.6	22
135	Hydrothermal synthesis of CoMoO 4 /Co 1- x S hybrid on Ni foam for high-performance supercapacitors. Journal of Energy Chemistry, 2018, 27, 478-485.	7.1	35
136	High-performance inverted planar perovskite solar cells based on efficient hole-transporting layers from well-crystalline NiO nanocrystals. Solar Energy, 2018, 161, 100-108.	2.9	60
137	Effective iron-molybdenum-disulfide counter electrodes for use in platinum-free dye-sensitized solar cells. Science China Materials, 2018, 61, 1278-1284.	3.5	9
138	Improving the Performance of a Perovskite Solar Cell by Adjusting the Dispersant for Titanium Dioxide. Energy Technology, 2018, 6, 677-682.	1.8	2
139	The effects of solvent on photocatalytic properties of Bi2WO6/TiO2 heterojunction under visible light irradiation. Solid State Sciences, 2018, 78, 95-106.	1.5	33
140	Improved performance of a CoTe//AC asymmetric supercapacitor using a redox additive aqueous electrolyte. RSC Advances, 2018, 8, 7997-8006.	1.7	63
141	Two-step hydrothermal synthesis of NiCo2S4/Co9S8 nanorods on nickel foam for high energy density asymmetric supercapacitors. Applied Surface Science, 2018, 434, 861-870.	3.1	64
142	Fast fabricated high performance antisolvent-free perovskite solar cells via dual-flash process. Electrochimica Acta, 2018, 259, 402-409.	2.6	10
143	Enhancement of the Photovoltaic Properties of Dyeâ€Sensitized Solar Cells Using Y_{0.80}Yb_{0.18}Er_{0.02}OF Nanorods. Energy Technology, 2018, 6, 744-751.	1.8	4
144	CdSe x S1âˆ’x /CdS-cosensitized 3D TiO2 hierarchical nanostructures for efficient energy conversion. Journal of Solid State Electrochemistry, 2018, 22, 347-353.	1.2	7

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145	Construction of NiTe/NiSe Composites on Ni Foam for Highâ€Performance Asymmetric Supercapacitor. ChemElectroChem, 2018, 5, 507-514.	1.7	36
146	An Additive of Sulfonic Lithium Salt for Highâ€Performance Perovskite Solar Cells. ChemistrySelect, 2018, 3, 12320-12324.	0.7	8
147	Synthesis of CuCo2S4 nanosheet arrays on Ni foam as binder-free electrode for asymmetric supercapacitor. International Journal of Hydrogen Energy, 2018, 43, 23372-23381.	3.8	68
148	Dual interfacial modification engineering with p-type NiO nanocrystals for preparing efficient planar perovskite solar cells. Journal of Materials Chemistry C, 2018, 6, 13034-13042.	2.7	37
149	Thiourea Interfacial Modification for Highly Efficient Planar Perovskite Solar Cells. ACS Applied Energy Materials, 2018, 1, 6700-6706.	2.5	20
150	Diboronâ€Assisted Interfacial Defect Control Strategy for Highly Efficient Planar Perovskite Solar Cells. Advanced Materials, 2018, 30, e1805085.	11.1	128
151	Additive engineering induced perovskite crystal growth for high performance perovskite solar cells. Organic Electronics, 2018, 63, 207-215.	1.4	26
152	Enhancing the perovskite solar cell performance by the treatment with mixed anti-solvent. Journal of Power Sources, 2018, 404, 64-72.	4.0	33
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