

# Benlin He

## List of Publications by Citations

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155  
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69  
g-index

158  
ext. papers

6,681  
ext. citations

8.3  
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L-index

#	Paper	IF	Citations
155	High-Purity Inorganic Perovskite Films for Solar Cells with 9.72 % Efficiency. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 3787-3791	16.4	318
154	Lanthanide Ions Doped CsPbBr <sub>3</sub> Halides for HTM-Free 10.14%-Efficiency Inorganic Perovskite Solar Cell with an Ultrahigh Open-Circuit Voltage of 1.594 V. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1802346	21.8	281
153	Transparent metal selenide alloy counter electrodes for high-efficiency bifacial dye-sensitized solar cells. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 14569-74	16.4	216
152	Platinum-free binary Co-Ni alloy counter electrodes for efficient dye-sensitized solar cells. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 10799-803	16.4	197
151	Dissolution Engineering of Platinum Alloy Counter Electrodes in Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 11448-52	16.4	150
150	Recent advances in critical materials for quantum dot-sensitized solar cells: a review. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 17497-17510	13	143
149	Lattice Modulation of Alkali Metal Cations Doped Cs <sub>1-x</sub> R <sub>x</sub> PbBr <sub>3</sub> Halides for Inorganic Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2018</b> , 2, 1800164	7.1	119
148	Rapid Conversion from Carbohydrates to Large-Scale Carbon Quantum Dots for All-Weather Solar Cells. <i>ACS Nano</i> , <b>2017</b> , 11, 1540-1547	16.7	118
147	Transparent nickel selenide alloy counter electrodes for bifacial dye-sensitized solar cells exceeding 10% efficiency. <i>Nanoscale</i> , <b>2014</b> , 6, 12601-8	7.7	111
146	Recent advances in alloy counter electrodes for dye-sensitized solar cells. A critical review. <i>Electrochimica Acta</i> , <b>2015</b> , 178, 886-899	6.7	99
145	Efficient dye-sensitized solar cells from polyaniline-single wall carbon nanotube complex counter electrodes. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 3119	13	99
144	Carbon-Electrode-Tailored All-Inorganic Perovskite Solar Cells To Harvest Solar and Water-Vapor Energy. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 5746-5749	16.4	95
143	Simplified Perovskite Solar Cell with 4.1% Efficiency Employing Inorganic CsPbBr as Light Absorber. <i>Small</i> , <b>2018</b> , 14, e1704443	11	91
142	Low-cost counter electrodes from CoPt alloys for efficient dye-sensitized solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 4812-8	9.5	91
141	A Solar Cell That Is Triggered by Sun and Rain. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5243-5246	16.4	87
140	Rapid charge-transfer in polypyrrole-single wall carbon nanotube complex counter electrodes: Improved photovoltaic performances of dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2014</b> , 256, 170-177	8.9	80
139	9.13%-Efficiency and stable inorganic CsPbBr <sub>3</sub> solar cells. Lead-free CsSnBr <sub>3</sub> -xI <sub>x</sub> quantum dots promote charge extraction. <i>Journal of Power Sources</i> , <b>2018</b> , 399, 76-82	8.9	79

138	Robust electrocatalysts from an alloyed PtRuM (M = Cr, Fe, Co, Ni, Mo)-decorated Ti mesh for hydrogen evolution by seawater splitting. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 6513-6520	13	78
137	High-Purity Inorganic Perovskite Films for Solar Cells with 9.72 % Efficiency. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 3849-3853	3.6	76
136	Complexation of polyaniline and graphene for efficient counter electrodes in dye-sensitized solar cells: Enhanced charge transfer ability. <i>Journal of Power Sources</i> , <b>2014</b> , 256, 8-13	8.9	71
135	Mesoporous TiO <sub>2</sub> anodes for efficient dye-sensitized solar cells: An efficiency of 9.86% under one sun illumination. <i>Journal of Power Sources</i> , <b>2014</b> , 267, 445-451	8.9	71
134	Interface Engineering of Imidazolium Ionic Liquids toward Efficient and Stable CsPbBr <sub>3</sub> Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 4540-4548	9.5	69
133	Asymmetric Trilayer All-Polymer Dielectric Composites with Simultaneous High Efficiency and High Energy Density: A Novel Design Targeting Advanced Energy Storage Capacitors. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100280	15.6	66
132	Using SnO <sub>2</sub> QDs and CsMBr <sub>3</sub> (M = Sn, Bi, Cu) QDs as Charge-Transporting Materials for 10.6%-Efficiency All-Inorganic CsPbBr <sub>3</sub> Perovskite Solar Cells with an Ultrahigh Open-Circuit Voltage of 1.610 V. <i>Solar Rrl</i> , <b>2019</b> , 3, 1800284	7.1	65
131	PtRu nanofiber alloy counter electrodes for dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2014</b> , 258, 117-121	8.9	64
130	Poly(3-hexylthiophene)/zinc phthalocyanine composites for advanced interface engineering of 10.03%-efficiency CsPbBr <sub>3</sub> perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 12635-12644 <sup>13</sup>	13	63
129	Low-cost CoPt alloy counter electrodes for efficient dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2014</b> , 260, 180-185	8.9	62
128	Robust polyaniline-graphene complex counter electrodes for efficient dye-sensitized solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 8230-6	9.5	61
127	Quasi-solid-state dye-sensitized solar cell from polyaniline integrated poly(hexamethylene diisocyanate tripolymer/polyethylene glycol) gel electrolyte. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 5326	13	61
126	Enhanced photovoltaic performances of quasi-solid-state dye-sensitized solar cells using a novel conducting gel electrolyte. <i>Journal of Power Sources</i> , <b>2014</b> , 248, 923-930	8.9	59
125	Efficient quasi-solid-state dye-sensitized solar cells from graphene incorporated conducting gel electrolytes. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 2814	13	58
124	An all-weather solar cell that can harvest energy from sunlight and rain. <i>Nano Energy</i> , <b>2016</b> , 30, 818-824	17.1	55
123	Imbibition of polypyrrole into three-dimensional poly(hydroxyethyl methacrylate/glycerol) gel electrolyte for robust quasi-solid-state dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 8055	13	54
122	Toward efficient and air-stable carbon-based all-inorganic perovskite solar cells through substituting CsPbBr <sub>3</sub> films with transition metal ions. <i>Chemical Engineering Journal</i> , <b>2019</b> , 375, 121930	14.7	53
121	Transmission enhanced photoanodes for efficient dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2014</b> , 125, 646-651	6.7	52

120	Multifunctional graphene incorporated conducting gel electrolytes in enhancing photovoltaic performances of quasi-solid-state dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2014</b> , 260, 225-232	8.9	50
119	Efficient quasi-solid-state dye-sensitized solar cells employing polyaniline and polypyrrole incorporated microporous conducting gel electrolytes. <i>Journal of Power Sources</i> , <b>2014</b> , 254, 98-105	8.9	50
118	Enhanced dye illumination in dye-sensitized solar cells using TiO <sub>2</sub> /GeO <sub>2</sub> photo-anodes. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 12459	13	47
117	Photoelectric conversion beyond sunny days: all-weather carbon quantum dot solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 2143-2150	13	45
116	Alloy-Controlled Work Function for Enhanced Charge Extraction in All-Inorganic CsPbBr Perovskite Solar Cells. <i>ChemSusChem</i> , <b>2018</b> , 11, 1432-1437	8.3	45
115	Spray-assisted deposition of CsPbBr <sub>3</sub> films in ambient air for large-area inorganic perovskite solar cells. <i>Materials Today Energy</i> , <b>2018</b> , 10, 146-152	7	45
114	Solid-state dye-sensitized solar cells from poly(ethylene oxide)/polyaniline electrolytes with catalytic and hole-transporting characteristics. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 5368-5374	13	44
113	Platinum Alloy Tailored All-Weather Solar Cells for Energy Harvesting from Sun and Rain. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14412-14416	16.4	44
112	Employment of ionic liquid-imbibed polymer gel electrolyte for efficient quasi-solid-state dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2014</b> , 248, 816-821	8.9	43
111	Bifacial dye-sensitized solar cells from covalent-bonded polyaniline-multiwalled carbon nanotube complex counter electrodes. <i>Journal of Power Sources</i> , <b>2015</b> , 275, 489-497	8.9	41
110	Platinum-free binary Fe <sub>3</sub> O <sub>4</sub> nanofiber alloy counter electrodes for dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2014</b> , 268, 56-62	8.9	41
109	Cost-effective, transparent iron selenide nanoporous alloy counter electrode for bifacial dye-sensitized solar cell. <i>Journal of Power Sources</i> , <b>2015</b> , 282, 79-86	8.9	41
108	Achieving Concurrent High Energy Density and Efficiency in All-Polymer Layered Paraelectric/Ferroelectric Composites via Introducing a Moderate Layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 27522-27532	9.5	40
107	Enhanced charge extraction by setting intermediate energy levels in all-inorganic CsPbBr <sub>3</sub> perovskite solar cells. <i>Electrochimica Acta</i> , <b>2018</b> , 279, 84-90	6.7	38
106	Bifacial dye-sensitized solar cells with transparent cobalt selenide alloy counter electrodes. <i>Journal of Power Sources</i> , <b>2015</b> , 284, 349-354	8.9	37
105	Enhanced photocatalytic activity from Gd, La codoped TiO <sub>2</sub> nanotube array photocatalysts under visible-light irradiation. <i>Applied Surface Science</i> , <b>2013</b> , 284, 837-842	6.7	37
104	Transmission booster from SiO <sub>2</sub> incorporated TiO <sub>2</sub> crystallites: Enhanced conversion efficiency in dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2014</b> , 134, 281-286	6.7	36
103	Bifacial dye-sensitized solar cells with enhanced rear efficiency and power output. <i>Nanoscale</i> , <b>2014</b> , 6, 15127-33	7.7	36

102	Biomass converted carbon quantum dots for all-weather solar cells. <i>Electrochimica Acta</i> , <b>2017</b> , 257, 259-266	8.6	34
101	Multifunctional graphene incorporated polyacrylamide conducting gel electrolytes for efficient quasi-solid-state quantum dot-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2015</b> , 284, 369-376	8.9	34
100	Titanium dioxide/calcium fluoride nanocrystallite for efficient dye-sensitized solar cell. A strategy of enhancing light harvest. <i>Journal of Power Sources</i> , <b>2015</b> , 275, 175-180	8.9	34
99	Efficient In <sub>2</sub> S <sub>3</sub> Quantum dot Sensitized Solar Cells: A Promising Power Conversion Efficiency of 1.30%. <i>Electrochimica Acta</i> , <b>2014</b> , 139, 381-385	6.7	34
98	A simple approach of enhancing photovoltaic performances of quasi-solid-state dye-sensitized solar cells by integrating conducting polyaniline into electrical insulating gel electrolyte. <i>Journal of Power Sources</i> , <b>2014</b> , 245, 468-474	8.9	34
97	Graphene enabled all-weather solar cells for electricity harvest from sun and rain. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 13235-13241	13	33
96	Can dye-sensitized solar cells generate electricity in the dark?. <i>Nano Energy</i> , <b>2017</b> , 33, 266-271	17.1	32
95	Conducting gel electrolytes with microporous structures for efficient quasi-solid-state dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2015</b> , 273, 1148-1155	8.9	32
94	Grain Enlargement and Defect Passivation with Melamine Additives for High Efficiency and Stable CsPbBr Perovskite Solar Cells. <i>ChemSusChem</i> , <b>2020</b> , 13, 1834-1843	8.3	32
93	Transparent molybdenum sulfide decorated polyaniline complex counter electrodes for efficient bifacial dye-sensitized solar cells. <i>Solar Energy</i> , <b>2017</b> , 147, 470-478	6.8	30
92	Dissolution Engineering of Platinum Alloy Counter Electrodes in Dye-Sensitized Solar Cells. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 11610-11614	3.6	30
91	Full-ionic liquid gel electrolytes: Enhanced photovoltaic performances in dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2014</b> , 264, 83-91	8.9	30
90	Enhanced Efficiency of Air-Stable CsPbBr Perovskite Solar Cells by Defect Dual Passivation and Grain Size Enlargement with a Multifunctional Additive. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 36092-36101	9.5	30
89	Advanced Modification of Perovskite Surfaces for Defect Passivation and Efficient Charge Extraction in Air-Stable CsPbBr <sub>3</sub> Perovskite Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 19286-19294	8.3	29
88	Counter electrodes from polyaniline-carbon nanotube complex/graphene oxide multilayers for dye-sensitized solar cell application. <i>Electrochimica Acta</i> , <b>2014</b> , 125, 510-515	6.7	28
87	Counter electrodes from binary ruthenium selenide alloys for dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2014</b> , 271, 108-113	8.9	27
86	Counter electrodes from polyaniline-graphene complex/graphene oxide multilayers for dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2014</b> , 137, 175-182	6.7	27
85	7.35% efficiency rear-irradiated flexible dye-sensitized solar cells by sealing liquid electrolyte in a groove. <i>Chemical Communications</i> , <b>2015</b> , 51, 491-4	5.8	26

84	Self-assembly of graphene oxide/polyaniline multilayer counter electrodes for efficient dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2014</b> , 121, 136-142	6.7	26
83	Cost-effective alloy counter electrodes as a new avenue for high-efficiency dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2015</b> , 158, 397-402	6.7	26
82	Enhanced energy level alignment and hole extraction of carbon electrode for air-stable hole-transporting material-free CsPbBr <sub>3</sub> perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2020</b> , 205, 110267	6.4	26
81	Enhanced charge extraction with all-carbon electrodes for inorganic CsPbBr perovskite solar cells. <i>Dalton Transactions</i> , <b>2018</b> , 47, 15283-15287	4.3	26
80	Improved charge extraction through interface engineering for 10.12% efficiency and stable CsPbBr <sub>3</sub> perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 20987-20997	13	24
79	Co/Se and Ni/Se nanocomposite films prepared by magnetron sputtering as counter electrodes for dye-sensitized solar cells. <i>Solar Energy</i> , <b>2019</b> , 180, 85-91	6.8	23
78	Robust conducting gel electrolytes for efficient quasi-solid-state dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2014</b> , 137, 57-64	6.7	23
77	Platinum-Free Binary Co-Ni Alloy Counter Electrodes for Efficient Dye-Sensitized Solar Cells. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 10975-10979	3.6	23
76	Enhanced charge extraction in carbon-based all-inorganic CsPbBr <sub>3</sub> perovskite solar cells by dual-function interface engineering. <i>Electrochimica Acta</i> , <b>2019</b> , 328, 135102	6.7	22
75	Transparent Metal Selenide Alloy Counter Electrodes for High-Efficiency Bifacial Dye-Sensitized Solar Cells. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 14797-14802	3.6	22
74	Carbide decorated carbon nanotube electrocatalyst for high-efficiency hydrogen evolution from seawater. <i>RSC Advances</i> , <b>2016</b> , 6, 93267-93274	3.7	21
73	Sonochemistry-assisted black/red phosphorus hybrid quantum dots for dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2019</b> , 410-411, 53-58	8.9	21
72	Efficiency enhancement of bifacial dye-sensitized solar cells through bi-tandem carbon quantum dots tailored transparent counter electrodes. <i>Electrochimica Acta</i> , <b>2018</b> , 278, 204-209	6.7	21
71	A dye-sensitized solar cell having polyaniline species in each component with 3.1%-efficiency. <i>Journal of Power Sources</i> , <b>2015</b> , 284, 178-185	8.9	20
70	Dissolution-resistant platinum alloy counter electrodes for stable dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2016</b> , 190, 409-418	6.7	20
69	Insights of close contact between polyaniline and FTO substrate for enhanced photovoltaic performances of dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2014</b> , 125, 163-169	6.7	20
68	Harvest rain energy by polyaniline-graphene composite films. <i>Renewable Energy</i> , <b>2018</b> , 125, 995-1002	8.1	19
67	Incorporation of H <sub>3</sub> PO <sub>4</sub> into three-dimensional polyacrylamide-graft-starch hydrogel frameworks for robust high-temperature proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 4447-4458	6.7	19

66	Bifacial quantum dot-sensitized solar cells with transparent cobalt selenide counter electrodes. <i>Journal of Power Sources</i> , <b>2015</b> , 278, 183-189	8.9	18
65	A ceramic NiO/ZrO <sub>2</sub> separator for high-temperature supercapacitor up to 140 °C. <i>Journal of Power Sources</i> , <b>2018</b> , 400, 126-134	8.9	18
64	H <sub>3</sub> PO <sub>4</sub> imbibed polyacrylamide-graft-chitosan frameworks for high-temperature proton exchange membranes. <i>Journal of Power Sources</i> , <b>2014</b> , 249, 277-284	8.9	18
63	A Solar Cell That Is Triggered by Sun and Rain. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5329-5332	3.6	18
62	Counter electrodes from polymorphic platinum-nickel hollow alloys for high-efficiency dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2016</b> , 328, 185-194	8.9	18
61	All-solid-state quantum dot-sensitized solar cell from plastic crystal electrolyte. <i>RSC Advances</i> , <b>2015</b> , 5, 33463-33467	3.7	17
60	A porous ceramic membrane tailored high-temperature supercapacitor. <i>Journal of Power Sources</i> , <b>2018</b> , 379, 60-67	8.9	17
59	Carbon-Electrode-Tailored All-Inorganic Perovskite Solar Cells To Harvest Solar and Water-Vapor Energy. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 5848-5851	3.6	17
58	Quasi-solid-state dye-sensitized solar cells from hydrophobic poly(hydroxyethyl methacrylate/glycerin)/polyaniline gel electrolyte. <i>Materials Chemistry and Physics</i> , <b>2014</b> , 144, 287-292	4.4	17
57	Long persistence phosphor assisted all-weather solar cells. Electricity generation beyond sunny days. <i>Chemical Communications</i> , <b>2017</b> , 53, 3209-3212	5.8	16
56	Efficient dye-sensitized solar cells from curved silicate microsheet caged TiO <sub>2</sub> photoanodes. An avenue of enhancing light harvesting. <i>Electrochimica Acta</i> , <b>2015</b> , 178, 18-24	6.7	16
55	Boosted hole extraction in all-inorganic CsPbBr <sub>3</sub> perovskite solar cells by interface engineering using MoO <sub>2</sub> /N-doped carbon nanospheres composite. <i>Solar Energy Materials and Solar Cells</i> , <b>2020</b> , 209, 110460	6.4	16
54	Platinum alloy decorated polyaniline counter electrodes for dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2016</b> , 190, 76-84	6.7	16
53	Transparent ternary alloy counter electrodes for high-efficiency bifacial dye-sensitized solar cells. <i>Solar Energy</i> , <b>2018</b> , 170, 762-768	6.8	16
52	Robust electrocatalysts from metal doped WO nanofibers for hydrogen evolution. <i>Chemical Communications</i> , <b>2017</b> , 53, 4323-4326	5.8	15
51	An avenue of sealing liquid electrolyte in flexible dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2015</b> , 274, 304-309	8.9	15
50	Solid-state electrolytes from polysulfide integrated polyvinylpyrrolidone for quantum dot-sensitized solar cells. <i>RSC Advances</i> , <b>2014</b> , 4, 60478-60483	3.7	15
49	Counter electrode electrocatalysts from binary Pd <sub>100</sub> alloy nanoparticles for dye-sensitized solar cells. <i>Solar Energy</i> , <b>2016</b> , 124, 68-75	6.8	14

48	Alloying of platinum and molybdenum for transparent counter electrodes. A strategy of enhancing power output for bifacial dye-sensitized solar cells. <i>RSC Advances</i> , <b>2015</b> , 5, 51600-51607	3.7	14
47	Cubic carbon quantum dots for light-harvesters in mesoscopic solar cells. <i>Electrochimica Acta</i> , <b>2018</b> , 275, 275-280	6.7	13
46	Three-dimensional hydrogel frameworks for high-temperature proton exchange membrane fuel cells. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 5481-5491	4.3	13
45	Dimensionality Control of SnO Films for Hysteresis-Free, All-Inorganic CsPbBr Perovskite Solar Cells with Efficiency Exceeding 10. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 11058-11066	9.5	12
44	Universal Dynamic Liquid Interface for Healing Perovskite Solar Cells.. <i>Advanced Materials</i> , <b>2022</b> , e2202304	14.7	12
43	Mo incorporated W18O49 nanofibers as robust electrocatalysts for high-efficiency hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 14534-14546	6.7	11
42	Cylindrical dye-sensitized solar cells with high efficiency and stability over time and incident angle. <i>Chemical Communications</i> , <b>2016</b> , 52, 3528-31	5.8	11
41	Efficient dye-sensitized solar cell from spiny polyaniline nanofiber counter electrode. <i>Materials Letters</i> , <b>2014</b> , 119, 28-31	3.3	11
40	Multifunctional brominated graphene oxide boosted charge extraction for high-efficiency and stable all-inorganic CsPbBr3 perovskite solar cells. <i>Chemical Engineering Journal</i> , <b>2021</b> , 412, 128727	14.7	11
39	Ultraviolet filtration and defect passivation for efficient and photostable CsPbBr3 perovskite solar cells by interface engineering with ultraviolet absorber. <i>Chemical Engineering Journal</i> , <b>2021</b> , 404, 126548	14.7	11
38	Graphene-incorporated quasi-solid-state dye-sensitized solar cells. <i>RSC Advances</i> , <b>2015</b> , 5, 43402-43407	3.7	10
37	Bifunctional polyaniline electrode tailored hybridized solar cells for energy harvesting from sun and rain. <i>Journal of Energy Chemistry</i> , <b>2018</b> , 27, 742-747	12	10
36	Platinum Alloy Tailored All-Weather Solar Cells for Energy Harvesting from Sun and Rain. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14624-14628	3.6	10
35	ZnO nanorods assisted Ni1.1Pt and Co3.9Pt alloy microtube counter electrodes for efficient dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2016</b> , 190, 903-911	6.7	10
34	Poly(vinylidene fluoride) implanted cobalt-platinum alloy counter electrodes for dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2014</b> , 147, 209-215	6.7	10
33	Compositional Engineering of Chloride Ion-Doped CsPbBr3 Halides for Highly Efficient and Stable All-Inorganic Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2020</b> , 4, 2000362	7.1	10
32	EIS analysis of hydrophobic and hydrophilic TiO2 film. <i>Electrochimica Acta</i> , <b>2008</b> , 54, 611-615	6.7	9
31	Efficient interface engineering of N, N'-Dicyclohexylcarbodiimide for stable HTMs-free CsPbBr3 perovskite solar cells with 10.16%-efficiency. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 131950	14.7	9



30	Solar photocatalysts from GdIIIa codoped TiO <sub>2</sub> nanoparticles. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 3371-3378	4.3	8
29	Preparation and electrochemical properties of poly-2,5-dihydroxyaniline/activated carbon composite electrode in organic electrolyte. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 4672-4680	2.9	8
28	Interfacial engineering of hybridized solar cells for simultaneously harvesting solar and rain energies. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 18551-18560	13	8
27	Application of poly(3,4-ethylenedioxythiophene):polystyrenesulfonate in polymer heterojunction solar cells. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 3528-3534	4.3	8
26	Room-temperature fabrication of multi-deformable perovskite solar cells made in a three-dimensional gel framework. <i>RSC Advances</i> , <b>2016</b> , 6, 82933-82940	3.7	7
25	Extra-high short-circuit current for bifacial solar cells in sunny and dark-light conditions. <i>Chemical Communications</i> , <b>2017</b> , 53, 10046-10049	5.8	7
24	Multifunctional interface modifier ammonium silicofluoride for efficient and stable all-inorganic CsPbBr <sub>3</sub> perovskite solar cells. <i>Chemical Engineering Journal</i> , <b>2022</b> , 431, 134193	14.7	7
23	Hydrogen bonded dopant free hole transport material enables efficient and stable inverted perovskite solar cells. <i>CCS Chemistry</i> , 1-25	7.2	7
22	Self-powered flexible monoelectrodes from graphene/reduced graphene oxide composite films to harvest rain energy. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 776, 31-35	5.7	7
21	Toward elevated light harvesting: efficient dye-sensitized solar cells with titanium dioxide/silica photoanodes. <i>RSC Advances</i> , <b>2015</b> , 5, 46260-46266	3.7	6
20	Hybridized dye-sensitized solar cells for persistent power generation free of sun illumination. <i>Electrochimica Acta</i> , <b>2018</b> , 280, 181-190	6.7	6
19	Microporous gel electrolyte for quasi-solid-state dye-sensitized solar cell. <i>Polymer Engineering and Science</i> , <b>2014</b> , 54, 2531-2535	2.3	5
18	Phase Control of Cs-Pb-Br Derivatives to Suppress OD Cs PbBr for High-Efficiency and Stable All-Inorganic CsPbBr Perovskite Solar Cells.. <i>Small</i> , <b>2021</b> , e2106323	11	5
17	Enhanced light harvesting of TiO <sub>2</sub> /La <sub>0.95</sub> Tb <sub>0.05</sub> PO <sub>4</sub> photoanodes for dye-sensitized solar cells. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 173, 340-346	4.4	4
16	Rain-responsive polypyrrole-graphene/PtCo electrodes for energy harvest. <i>Electrochimica Acta</i> , <b>2018</b> , 285, 139-148	6.7	4
15	Double-Sided Tape Modifier Bridging TiO <sub>2</sub> /Perovskite Buried Interface for Efficient and Stable All-Inorganic Perovskite Solar Cells. <i>Journal of Materials Chemistry A</i> ,	13	4
14	An avenue of expanding triiodide reduction and shortening charge diffusion length in solid-state dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2015</b> , 273, 180-184	8.9	3
13	Spatial confinement growth of perovskite nanocrystals for ultra-flexible solar cells. <i>RSC Advances</i> , <b>2016</b> , 6, 59429-59437	3.7	3

12	Insights on the accumulation of charge carriers for enhanced electrical and photoelectric behaviors in conducting multilayer films. <i>RSC Advances</i> , <b>2013</b> , 3, 25190	3.7	3
11	Tri-Brominated Perovskite Film Management and Multiple-Ionic Defect Passivation for Highly Efficient and Stable Solar Cells. <i>Solar Rrl</i> , <b>2021</b> , 5, 2000819	7.1	3
10	Preparation and electrochemical properties of polyaniline/ $\text{RuCl}_3 \cdot x\text{H}_2\text{O}$ composites for supercapacitor. <i>Polymer Composites</i> , <b>2013</b> , 34, 2142-2147	3	2
9	Efficient Defect Passivation and Charge Extraction with Hexamethylenetetramine Interface Modification for Hole-Transporting Layers-Free $\text{CsPbBr}_3$ Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2021</b> , 5, 2100344	7.1	2
8	Enhanced hole extraction by electron-rich alloys in all-inorganic $\text{CsPbBr}$ perovskite solar cells. <i>Chemical Communications</i> , <b>2021</b> , 57, 7577-7580	5.8	2
7	Using $\text{SnO}_2$ QDs and $\text{CsMBr}_3$ (M = Sn, Bi, Cu) QDs as Charge-Transporting Materials for 10.6%-Efficiency All-Inorganic $\text{CsPbBr}_3$ Perovskite Solar Cells with an Ultrahigh Open-Circuit Voltage of 1.610 V (Solar RRL 30019). <i>Solar Rrl</i> , <b>2019</b> , 3, 1970035	7.1	1
6	Insights on tunneled electrons for electrical and photoelectric behaviors in conducting multilayer films. <i>Polymer Engineering and Science</i> , <b>2015</b> , 55, 107-112	2.3	1
5	Self-Powered Low-Platinum Nanorod Alloy Monoelectrodes for Rain Energy Harvest. <i>Energy Technology</i> , <b>2018</b> , 6, 1606-1609	3.5	1
4	Enhanced proton conductivity from phosphoric acid-incorporated 3D polyacrylamide-graft-starch hydrogel materials for high-temperature proton exchange membranes. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	1
3	Growth of hexagonal polyaniline fibers with polyacrylamide pendants. <i>Polymer Composites</i> , <b>2014</b> , 35, 253-262	3	1
2	Corrosion behavior of anodic oxidized $\text{TiO}_2$ film in seawater. <i>Journal of Ocean University of China</i> , <b>2010</b> , 9, 376-380	1	1
1	Polypyrrole-molybdenum sulfide complex as an efficient and transparent catalytic electrode for bifacial dye-sensitized solar cells. <i>Catalysis Communications</i> , <b>2022</b> , 163, 106403	3.2	1