

Benlin He

List of Publications by Year in Descending Order

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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.

155
papers

5,852
citations

43
h-index

69
g-index

158
ext. papers

6,681
ext. citations

8.3
avg, IF

6.36
L-index

#	Paper	IF	Citations
155	Polypyrrole-molybdenum sulfide complex as an efficient and transparent catalytic electrode for bifacial dye-sensitized solar cells. <i>Catalysis Communications</i> , 2022 , 163, 106403	3.2	1
154	Multifunctional interface modifier ammonium silicofluoride for efficient and stable all-inorganic CsPbBr ₃ perovskite solar cells. <i>Chemical Engineering Journal</i> , 2022 , 431, 134193	14.7	7
153	Efficient interface engineering of N, N'-Dicyclohexylcarbodiimide for stable HTMs-free CsPbBr ₃ perovskite solar cells with 10.16%-efficiency. <i>Chemical Engineering Journal</i> , 2022 , 428, 131950	14.7	9
152	Universal Dynamic Liquid Interface for Healing Perovskite Solar Cells.. <i>Advanced Materials</i> , 2022 , e2202304	14.7	12
151	Multifunctional brominated graphene oxide boosted charge extraction for high-efficiency and stable all-inorganic CsPbBr ₃ perovskite solar cells. <i>Chemical Engineering Journal</i> , 2021 , 412, 128727	14.7	11
150	Achieving Concurrent High Energy Density and Efficiency in All-Polymer Layered Paraelectric/Ferroelectric Composites via Introducing a Moderate Layer. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 27522-27532	9.5	40
149	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> , 2021 , 31, 2100280	15.6	66
148	Efficient Defect Passivation and Charge Extraction with Hexamethylenetetramine Interface Modification for Hole-Transporting Layers-Free CsPbBr ₃ Perovskite Solar Cells. <i>Solar Rrl</i> , 2021 , 5, 2100344	7.1	2
147	Ultraviolet filtration and defect passivation for efficient and photostable CsPbBr ₃ perovskite solar cells by interface engineering with ultraviolet absorber. <i>Chemical Engineering Journal</i> , 2021 , 404, 126548	14.7	11
146	Enhanced hole extraction by electron-rich alloys in all-inorganic CsPbBr perovskite solar cells. <i>Chemical Communications</i> , 2021 , 57, 7577-7580	5.8	2
145	Tri-Brominated Perovskite Film Management and Multiple-Ionic Defect Passivation for Highly Efficient and Stable Solar Cells. <i>Solar Rrl</i> , 2021 , 5, 2000819	7.1	3
144	Dimensionality Control of SnO Films for Hysteresis-Free, All-Inorganic CsPbBr Perovskite Solar Cells with Efficiency Exceeding 10. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 11058-11066	9.5	12
143	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> , 2021 , e2106323	11	5
142	Boosted hole extraction in all-inorganic CsPbBr ₃ perovskite solar cells by interface engineering using MoO ₂ /N-doped carbon nanospheres composite. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 209, 110460	6.4	16
141	Grain Enlargement and Defect Passivation with Melamine Additives for High Efficiency and Stable CsPbBr Perovskite Solar Cells. <i>ChemSusChem</i> , 2020 , 13, 1834-1843	8.3	32
140	Enhanced energy level alignment and hole extraction of carbon electrode for air-stable hole-transporting material-free CsPbBr ₃ perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 205, 110267	6.4	26
139	Interface Engineering of Imidazolium Ionic Liquids toward Efficient and Stable CsPbBr Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4540-4548	9.5	69

138	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 & Interfaces</i> , 2020 , 12, 36092-36101	9.5	30
137	Compositional Engineering of Chloride Ion-Doped CsPbBr ₃ Halides for Highly Efficient and Stable All-Inorganic Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 2000362	7.1	10
136	Improved charge extraction through interface engineering for 10.12% efficiency and stable CsPbBr ₃ perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 20987-20997	13	24
135	Toward efficient and air-stable carbon-based all-inorganic perovskite solar cells through substituting CsPbBr ₃ films with transition metal ions. <i>Chemical Engineering Journal</i> , 2019 , 375, 121930	14.7	53
134	Poly(3-hexylthiophene)/zinc phthalocyanine composites for advanced interface engineering of 10.03%-efficiency CsPbBr ₃ perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12635-12644 ¹³		63
133	Using SnO ₂ QDs and CsMBr ₃ (M = Sn, Bi, Cu) QDs as Charge-Transporting Materials for 10.6%-Efficiency All-Inorganic CsPbBr ₃ Perovskite Solar Cells with an Ultrahigh Open-Circuit Voltage of 1.610 V (Solar RRL 30019). <i>Solar Rrl</i> , 2019 , 3, 1970035	7.1	1
132	Co/Se and Ni/Se nanocomposite films prepared by magnetron sputtering as counter electrodes for dye-sensitized solar cells. <i>Solar Energy</i> , 2019 , 180, 85-91	6.8	23
131	Enhanced charge extraction in carbon-based all-inorganic CsPbBr ₃ perovskite solar cells by dual-function interface engineering. <i>Electrochimica Acta</i> , 2019 , 328, 135102	6.7	22
130	Advanced Modification of Perovskite Surfaces for Defect Passivation and Efficient Charge Extraction in Air-Stable CsPbBr ₃ Perovskite Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 19286-19294	8.3	29
129	Sonochemistry-assisted black/red phosphorus hybrid quantum dots for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2019 , 410-411, 53-58	8.9	21
128	Using SnO ₂ QDs and CsMBr ₃ (M = Sn, Bi, Cu) QDs as Charge-Transporting Materials for 10.6%-Efficiency All-Inorganic CsPbBr ₃ Perovskite Solar Cells with an Ultrahigh Open-Circuit Voltage of 1.610 V. <i>Solar Rrl</i> , 2019 , 3, 1800284	7.1	65
127	Self-powered flexible monoelectrodes from graphene/reduced graphene oxide composite films to harvest rain energy. <i>Journal of Alloys and Compounds</i> , 2019 , 776, 31-35	5.7	7
126	Cubic carbon quantum dots for light-harvesters in mesoscopic solar cells. <i>Electrochimica Acta</i> , 2018 , 275, 275-280	6.7	13
125	Simplified Perovskite Solar Cell with 4.1% Efficiency Employing Inorganic CsPbBr as Light Absorber. <i>Small</i> , 2018 , 14, e1704443	11	91
124	Carbon-Electrode-Tailored All-Inorganic Perovskite Solar Cells To Harvest Solar and Water-Vapor Energy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5746-5749	16.4	95
123	A porous ceramic membrane tailored high-temperature supercapacitor. <i>Journal of Power Sources</i> , 2018 , 379, 60-67	8.9	17
122	High-Purity Inorganic Perovskite Films for Solar Cells with 9.72 % Efficiency. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3787-3791	16.4	318
121	High-Purity Inorganic Perovskite Films for Solar Cells with 9.72 % Efficiency. <i>Angewandte Chemie</i> , 2018 , 130, 3849-3853	3.6	76

120	Self-Powered Low-Platinum Nanorod Alloy Monoelectrodes for Rain Energy Harvest. <i>Energy Technology</i> , 2018 , 6, 1606-1609	3.5	1
119	Carbon-Electrode-Tailored All-Inorganic Perovskite Solar Cells To Harvest Solar and Water-Vapor Energy. <i>Angewandte Chemie</i> , 2018 , 130, 5848-5851	3.6	17
118	Alloy-Controlled Work Function for Enhanced Charge Extraction in All-Inorganic CsPbBr Perovskite Solar Cells. <i>ChemSusChem</i> , 2018 , 11, 1432-1437	8.3	45
117	Harvest rain energy by polyaniline-graphene composite films. <i>Renewable Energy</i> , 2018 , 125, 995-1002	8.1	19
116	Bifunctional polyaniline electrode tailored hybridized solar cells for energy harvesting from sun and rain. <i>Journal of Energy Chemistry</i> , 2018 , 27, 742-747	12	10
115	9.13%-Efficiency and stable inorganic CsPbBr ₃ solar cells. Lead-free CsSnBr ₃ -xI _x quantum dots promote charge extraction. <i>Journal of Power Sources</i> , 2018 , 399, 76-82	8.9	79
114	Lattice Modulation of Alkali Metal Cations Doped Cs _{1-x} R _x PbBr ₃ Halides for Inorganic Perovskite Solar Cells. <i>Solar Rrl</i> , 2018 , 2, 1800164	7.1	119
113	A ceramic NiO/ZrO ₂ separator for high-temperature supercapacitor up to 140 °C. <i>Journal of Power Sources</i> , 2018 , 400, 126-134	8.9	18
112	Rain-responsive polypyrrole-graphene/PtCo electrodes for energy harvest. <i>Electrochimica Acta</i> , 2018 , 285, 139-148	6.7	4
111	Lanthanide Ions Doped CsPbBr ₃ 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> , 2018 , 8, 1802346	21.8	281
110	Enhanced charge extraction with all-carbon electrodes for inorganic CsPbBr perovskite solar cells. <i>Dalton Transactions</i> , 2018 , 47, 15283-15287	4.3	26
109	Spray-assisted deposition of CsPbBr ₃ films in ambient air for large-area inorganic perovskite solar cells. <i>Materials Today Energy</i> , 2018 , 10, 146-152	7	45
108	Enhanced charge extraction by setting intermediate energy levels in all-inorganic CsPbBr ₃ perovskite solar cells. <i>Electrochimica Acta</i> , 2018 , 279, 84-90	6.7	38
107	Efficiency enhancement of bifacial dye-sensitized solar cells through bi-tandem carbon quantum dots tailored transparent counter electrodes. <i>Electrochimica Acta</i> , 2018 , 278, 204-209	6.7	21
106	Hybridized dye-sensitized solar cells for persistent power generation free of sun illumination. <i>Electrochimica Acta</i> , 2018 , 280, 181-190	6.7	6
105	Transparent ternary alloy counter electrodes for high-efficiency bifacial dye-sensitized solar cells. <i>Solar Energy</i> , 2018 , 170, 762-768	6.8	16
104	Can dye-sensitized solar cells generate electricity in the dark?. <i>Nano Energy</i> , 2017 , 33, 266-271	17.1	32
103	Long persistence phosphor assisted all-weather solar cells. Electricity generation beyond sunny days. <i>Chemical Communications</i> , 2017 , 53, 3209-3212	5.8	16

102	Rapid Conversion from Carbohydrates to Large-Scale Carbon Quantum Dots for All-Weather Solar Cells. <i>ACS Nano</i> , 2017 , 11, 1540-1547	16.7	118
101	Transparent molybdenum sulfide decorated polyaniline complex counter electrodes for efficient bifacial dye-sensitized solar cells. <i>Solar Energy</i> , 2017 , 147, 470-478	6.8	30
100	Mo incorporated W18O49 nanofibers as robust electrocatalysts for high-efficiency hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 14534-14546	6.7	11
99	Robust electrocatalysts from metal doped WO nanofibers for hydrogen evolution. <i>Chemical Communications</i> , 2017 , 53, 4323-4326	5.8	15
98	Photoelectric conversion beyond sunny days: all-weather carbon quantum dot solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2143-2150	13	45
97	Biomass converted carbon quantum dots for all-weather solar cells. <i>Electrochimica Acta</i> , 2017 , 257, 259-266	6.6	34
96	Interfacial engineering of hybridized solar cells for simultaneously harvesting solar and rain energies. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18551-18560	13	8
95	Extra-high short-circuit current for bifacial solar cells in sunny and dark-light conditions. <i>Chemical Communications</i> , 2017 , 53, 10046-10049	5.8	7
94	Room-temperature fabrication of multi-deformable perovskite solar cells made in a three-dimensional gel framework. <i>RSC Advances</i> , 2016 , 6, 82933-82940	3.7	7
93	Platinum Alloy Tailored All-Weather Solar Cells for Energy Harvesting from Sun and Rain. <i>Angewandte Chemie</i> , 2016 , 128, 14624-14628	3.6	10
92	Enhanced light harvesting of TiO ₂ /La _{0.95} Tb _{0.05} PO ₄ photoanodes for dye-sensitized solar cells. <i>Materials Chemistry and Physics</i> , 2016 , 173, 340-346	4.4	4
91	Spatial confinement growth of perovskite nanocrystals for ultra-flexible solar cells. <i>RSC Advances</i> , 2016 , 6, 59429-59437	3.7	3
90	Cylindrical dye-sensitized solar cells with high efficiency and stability over time and incident angle. <i>Chemical Communications</i> , 2016 , 52, 3528-31	5.8	11
89	ZnO nanorods assisted Ni _{1.1} Pt and Co _{3.9} Pt alloy microtube counter electrodes for efficient dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2016 , 190, 903-911	6.7	10
88	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> , 2016 , 4, 6513-6520	13	78
87	Dissolution-resistant platinum alloy counter electrodes for stable dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2016 , 190, 409-418	6.7	20
86	Platinum alloy decorated polyaniline counter electrodes for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2016 , 190, 76-84	6.7	16
85	Counter electrode electrocatalysts from binary PdCo alloy nanoparticles for dye-sensitized solar cells. <i>Solar Energy</i> , 2016 , 124, 68-75	6.8	14

84	A Solar Cell That Is Triggered by Sun and Rain. <i>Angewandte Chemie</i> , 2016 , 128, 5329-5332	3.6	18
83	A Solar Cell That Is Triggered by Sun and Rain. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5243-5246	16.4	87
82	Platinum Alloy Tailored All-Weather Solar Cells for Energy Harvesting from Sun and Rain. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14412-14416	16.4	44
81	Carbide decorated carbon nanotube electrocatalyst for high-efficiency hydrogen evolution from seawater. <i>RSC Advances</i> , 2016 , 6, 93267-93274	3.7	21
80	An all-weather solar cell that can harvest energy from sunlight and rain. <i>Nano Energy</i> , 2016 , 30, 818-824	17.1	55
79	Counter electrodes from polymorphic platinum-nickel hollow alloys for high-efficiency dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2016 , 328, 185-194	8.9	18
78	Graphene enabled all-weather solar cells for electricity harvest from sun and rain. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 13235-13241	13	33
77	Efficient dye-sensitized solar cells from curved silicate microsheet caged TiO ₂ photoanodes. An avenue of enhancing light harvesting. <i>Electrochimica Acta</i> , 2015 , 178, 18-24	6.7	16
76	Recent advances in critical materials for quantum dot-sensitized solar cells: a review. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17497-17510	13	143
75	Graphene-incorporated quasi-solid-state dye-sensitized solar cells. <i>RSC Advances</i> , 2015 , 5, 43402-43407	3.7	10
74	A dye-sensitized solar cell having polyaniline species in each component with 3.1%-efficiency. <i>Journal of Power Sources</i> , 2015 , 284, 178-185	8.9	20
73	Bifacial dye-sensitized solar cells with transparent cobalt selenide alloy counter electrodes. <i>Journal of Power Sources</i> , 2015 , 284, 349-354	8.9	37
72	Toward elevated light harvesting: efficient dye-sensitized solar cells with titanium dioxide/silica photoanodes. <i>RSC Advances</i> , 2015 , 5, 46260-46266	3.7	6
71	Multifunctional graphene incorporated polyacrylamide conducting gel electrolytes for efficient quasi-solid-state quantum dot-sensitized solar cells. <i>Journal of Power Sources</i> , 2015 , 284, 369-376	8.9	34
70	All-solid-state quantum dot-sensitized solar cell from plastic crystal electrolyte. <i>RSC Advances</i> , 2015 , 5, 33463-33467	3.7	17
69	Dissolution Engineering of Platinum Alloy Counter Electrodes in Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11448-52	16.4	150
68	Recent advances in alloy counter electrodes for dye-sensitized solar cells. A critical review. <i>Electrochimica Acta</i> , 2015 , 178, 886-899	6.7	99
67	Bifacial quantum dot-sensitized solar cells with transparent cobalt selenide counter electrodes. <i>Journal of Power Sources</i> , 2015 , 278, 183-189	8.9	18

66	Titanium dioxide/calcium fluoride nanocrystallite for efficient dye-sensitized solar cell. A strategy of enhancing light harvest. <i>Journal of Power Sources</i> , 2015 , 275, 175-180	8.9	34
65	7.35% efficiency rear-irradiated flexible dye-sensitized solar cells by sealing liquid electrolyte in a groove. <i>Chemical Communications</i> , 2015 , 51, 491-4	5.8	26
64	Bifacial dye-sensitized solar cells from covalent-bonded polyaniline-multiwalled carbon nanotube complex counter electrodes. <i>Journal of Power Sources</i> , 2015 , 275, 489-497	8.9	41
63	Conducting gel electrolytes with microporous structures for efficient quasi-solid-state dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2015 , 273, 1148-1155	8.9	32
62	An avenue of sealing liquid electrolyte in flexible dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2015 , 274, 304-309	8.9	15
61	Insights on tunneled electrons for electrical and photoelectric behaviors in conducting multilayer films. <i>Polymer Engineering and Science</i> , 2015 , 55, 107-112	2.3	1
60	An avenue of expanding triiodide reduction and shortening charge diffusion length in solid-state dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2015 , 273, 180-184	8.9	3
59	Dissolution Engineering of Platinum Alloy Counter Electrodes in Dye-Sensitized Solar Cells. <i>Angewandte Chemie</i> , 2015 , 127, 11610-11614	3.6	30
58	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> , 2015 , 5, 51600-51607	3.7	14
57	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> , 2015 , 3, 5368-5374	13	44
56	Cost-effective alloy counter electrodes as a new avenue for high-efficiency dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2015 , 158, 397-402	6.7	26
55	Cost-effective, transparent iron selenide nanoporous alloy counter electrode for bifacial dye-sensitized solar cell. <i>Journal of Power Sources</i> , 2015 , 282, 79-86	8.9	41
54	Solar photocatalysts from Gd ^{III} codoped TiO ₂ nanoparticles. <i>Journal of Materials Science</i> , 2014 , 49, 3371-3378	4.3	8
53	Quasi-solid-state dye-sensitized solar cells from hydrophobic poly(hydroxyethyl methacrylate/glycerin)/polyaniline gel electrolyte. <i>Materials Chemistry and Physics</i> , 2014 , 144, 287-292	4.4	17
52	Enhanced photovoltaic performances of quasi-solid-state dye-sensitized solar cells using a novel conducting gel electrolyte. <i>Journal of Power Sources</i> , 2014 , 248, 923-930	8.9	59
51	Employment of ionic liquid-imbibed polymer gel electrolyte for efficient quasi-solid-state dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2014 , 248, 816-821	8.9	43
50	Insights of close contact between polyaniline and FTO substrate for enhanced photovoltaic performances of dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2014 , 125, 163-169	6.7	20
49	Incorporation of H ₃ PO ₄ into three-dimensional polyacrylamide-graft-starch hydrogel frameworks for robust high-temperature proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 4447-4458	6.7	19

48	Multifunctional graphene incorporated conducting gel electrolytes in enhancing photovoltaic performances of quasi-solid-state dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2014 , 260, 225-232	8.9	50
47	Transmission booster from SiO ₂ incorporated TiO ₂ crystallites: Enhanced conversion efficiency in dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2014 , 134, 281-286	6.7	36
46	Efficient quasi-solid-state dye-sensitized solar cells employing polyaniline and polypyrrole incorporated microporous conducting gel electrolytes. <i>Journal of Power Sources</i> , 2014 , 254, 98-105	8.9	50
45	Transmission enhanced photoanodes for efficient dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2014 , 125, 646-651	6.7	52
44	Self-assembly of graphene oxide/polyaniline multilayer counter electrodes for efficient dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2014 , 121, 136-142	6.7	26
43	Efficient dye-sensitized solar cells from polyaniline-single wall carbon nanotube complex counter electrodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3119	13	99
42	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> , 2014 , 256, 170-177	8.9	80
41	Solid-state electrolytes from polysulfide integrated polyvinylpyrrolidone for quantum dot-sensitized solar cells. <i>RSC Advances</i> , 2014 , 4, 60478-60483	3.7	15
40	Transparent metal selenide alloy counter electrodes for high-efficiency bifacial dye-sensitized solar cells. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 14569-74	16.4	216
39	Enhanced dye illumination in dye-sensitized solar cells using TiO ₂ /GeO ₂ photo-anodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12459	13	47
38	Transparent nickel selenide alloy counter electrodes for bifacial dye-sensitized solar cells exceeding 10% efficiency. <i>Nanoscale</i> , 2014 , 6, 12601-8	7.7	111
37	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> , 2014 , 131, n/a-n/a	2.9	1
36	Microporous gel electrolyte for quasi-solid-state dye-sensitized solar cell. <i>Polymer Engineering and Science</i> , 2014 , 54, 2531-2535	2.3	5
35	Low-cost counter electrodes from CoPt alloys for efficient dye-sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 4812-8	9.5	91
34	Efficient In ₂ S ₃ Quantum dot-sensitized Solar Cells: A Promising Power Conversion Efficiency of 1.30%. <i>Electrochimica Acta</i> , 2014 , 139, 381-385	6.7	34
33	Counter electrodes from binary ruthenium selenide alloys for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2014 , 271, 108-113	8.9	27
32	Poly(vinylidene fluoride)-implanted cobalt-platinum alloy counter electrodes for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2014 , 147, 209-215	6.7	10
31	Bifacial dye-sensitized solar cells with enhanced rear efficiency and power output. <i>Nanoscale</i> , 2014 , 6, 15127-33	7.7	36

30	Three-dimensional hydrogel frameworks for high-temperature proton exchange membrane fuel cells. <i>Journal of Materials Science</i> , 2014 , 49, 5481-5491	4.3	13
29	Efficient quasi-solid-state dye-sensitized solar cells from graphene incorporated conducting gel electrolytes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 2814	13	58
28	Platinum-free binary Co-Ni alloy counter electrodes for efficient dye-sensitized solar cells. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10799-803	16.4	197
27	Platinum-free binary Fe ₃ O ₄ nanofiber alloy counter electrodes for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2014 , 268, 56-62	8.9	41
26	Complexation of polyaniline and graphene for efficient counter electrodes in dye-sensitized solar cells: Enhanced charge transfer ability. <i>Journal of Power Sources</i> , 2014 , 256, 8-13	8.9	71
25	Efficient dye-sensitized solar cell from spiny polyaniline nanofiber counter electrode. <i>Materials Letters</i> , 2014 , 119, 28-31	3.3	11
24	PtRu nanofiber alloy counter electrodes for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2014 , 258, 117-121	8.9	64
23	Counter electrodes from polyaniline-carbon nanotube complex/graphene oxide multilayers for dye-sensitized solar cell application. <i>Electrochimica Acta</i> , 2014 , 125, 510-515	6.7	28
22	Robust conducting gel electrolytes for efficient quasi-solid-state dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2014 , 137, 57-64	6.7	23
21	Robust polyaniline-graphene complex counter electrodes for efficient dye-sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8230-6	9.5	61
20	Counter electrodes from polyaniline-graphene complex/graphene oxide multilayers for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2014 , 137, 175-182	6.7	27
19	Mesoporous TiO ₂ anodes for efficient dye-sensitized solar cells: An efficiency of 9.86% under one sun illumination. <i>Journal of Power Sources</i> , 2014 , 267, 445-451	8.9	71
18	Platinum-Free Binary Co-Ni Alloy Counter Electrodes for Efficient Dye-Sensitized Solar Cells. <i>Angewandte Chemie</i> , 2014 , 126, 10975-10979	3.6	23
17	Growth of hexagonal polyaniline fibers with polyacrylamide pendants. <i>Polymer Composites</i> , 2014 , 35, 253-262	3	1
16	Transparent Metal Selenide Alloy Counter Electrodes for High-Efficiency Bifacial Dye-Sensitized Solar Cells. <i>Angewandte Chemie</i> , 2014 , 126, 14797-14802	3.6	22
15	Full-ionic liquid gel electrolytes: Enhanced photovoltaic performances in dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2014 , 264, 83-91	8.9	30
14	Low-cost CoPt alloy counter electrodes for efficient dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2014 , 260, 180-185	8.9	62
13	H ₃ PO ₄ imbibed polyacrylamide-graft-chitosan frameworks for high-temperature proton exchange membranes. <i>Journal of Power Sources</i> , 2014 , 249, 277-284	8.9	18

12	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> , 2014 , 245, 468-474	8.9	34
11	Preparation and electrochemical properties of poly-2,5-dihydroxyaniline/activated carbon composite electrode in organic electrolyte. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 4672-4680	2.9	8
10	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> , 2013 , 1, 8055	13	54
9	Enhanced photocatalytic activity from Gd, La codoped TiO ₂ nanotube array photocatalysts under visible-light irradiation. <i>Applied Surface Science</i> , 2013 , 284, 837-842	6.7	37
8	Insights on the accumulation of charge carriers for enhanced electrical and photoelectric behaviors in conducting multilayer films. <i>RSC Advances</i> , 2013 , 3, 25190	3.7	3
7	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> , 2013 , 1, 5326	13	61
6	Application of poly(3,4-ethylenedioxythiophene):polystyrenesulfonate in polymer heterojunction solar cells. <i>Journal of Materials Science</i> , 2013 , 48, 3528-3534	4.3	8
5	Preparation and electrochemical properties of polyaniline/ β -RuCl ₃ ·xH ₂ O composites for supercapacitor. <i>Polymer Composites</i> , 2013 , 34, 2142-2147	3	2
4	Corrosion behavior of anodic oxidized TiO ₂ film in seawater. <i>Journal of Ocean University of China</i> , 2010 , 9, 376-380	1	1
3	EIS analysis of hydrophobic and hydrophilic TiO ₂ film. <i>Electrochimica Acta</i> , 2008 , 54, 611-615	6.7	9
2	Double-Sided Tape Modifier Bridging TiO ₂ /Perovskite Buried Interface for Efficient and Stable All-Inorganic Perovskite Solar Cells. <i>Journal of Materials Chemistry A</i> ,	13	4
1	Hydrogen bonded dopant free hole transport material enables efficient and stable inverted perovskite solar cells. <i>CCS Chemistry</i> , 1-25	7.2	7