Jehad K El-Demellawi

List of Publications by Year
in descending order

255 papers	11,886 citations	34016 52 h-index	33814 99 g-index
255 all docs	255 docs citations	255 times ranked	13061 citing authors

#	Article	IF	Citations
1	A novel metalâ€“organic frameworkâ€derived NiSe₂/ZnSeâ€NC as advanced anode materials for highâ€performance asymmetric supercapacitors. Electrochemical Science Advances, 2022, 2, e2100047.	1.2	8
2	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
3	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
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	Rear Interface Engineering to Suppress Migration of Iodide Ions for Efficient Perovskite Solar Cells with Minimized Hysteresis. Advanced Functional Materials, 2022, 32, 2107823.	7.8	57
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	Porous Ti₃C₂T_{<i>x</i>} MXene Membranes for Highly Efficient Salinity Gradient Energy Harvesting. ACS Nano, 2022, 16, 792-800.	7.3	60
8	Simultaneously Mitigating Anion and Cation Defects Both in Bulk and Interface for Highâ€Effective Perovskite Solar Cells. Solar Rrl, 2022, 6, .	3.1	2
9	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
10	Interlayer Modification Using Phenylethylamine Tetrafluoroborate for Highly Effective Perovskite Solar Cells. ACS Applied Energy Materials, 2022, 5, 658-666.	2.5	8
11	5â€Chloroindole as Interface Modifier to Improve the Efficiency and Stability of Planar Perovskite Solar Cells. Solar Rrl, 2022, 6, .	3.1	9
12	MXene-Coated Membranes for Autonomous Solar-Driven Desalination. ACS Applied Materials & Interfaces, 2022, 14, 5265-5274.	4.0	57
13	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
14	Scaled Deposition of Ti₃C₂<i>T</i>_{<i>x</i>} MXene on Complex Surfaces: Application Assessment as Rear Electrodes for Silicon Heterojunction Solar Cells. ACS Nano, 2022, 16, 2419-2428.	7.3	28
15	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
16	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
17	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
18	Selfâ€Activation Enables Cationic and Anionic Coâ€Storage in Organic Frameworks. Advanced Energy Materials, 2022, 12, .	10.2	11

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19	Multifunctional Molecule Modification toward Efficient Carbonâ€Based Allâ€Inorganic CsPbIBr₂ Perovskite Solar Cells. Advanced Sustainable Systems, 2022, 6, .	2.7	15
20	Single-crystalline TiO2 nanoparticles for stable and efficient perovskite modules. Nature Nanotechnology, 2022, 17, 598-605.	15.6	121
21	Plasmonic Nb₂C<i>T</i>_{<i>x</i>} MXene-MAPbI₃ Heterostructure for Self-Powered Visible-NIR Photodiodes. ACS Nano, 2022, 16, 7904-7914.	7.3	19
22	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
23	Performance Improvement of Planar Perovskite Solar Cells Using Lauric Acid as Interfacial Modifier. ACS Applied Energy Materials, 2022, 5, 8501-8509.	2.5	2
24	Polarized Molecule 4-(Aminomethyl) Benzonitrile Hydrochloride for Efficient and Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 33383-33391.	4.0	7
25	High thermally stable hybrid materials based on amorphous porous silicon nanoparticles and imidazolium-based ionic liquids: Structural and chemical analysis. Materials Today: Proceedings, 2021, 39, 1132-1140.	0.9	0
26	Guanidinium iodide modification enabled highly efficient and stable all-inorganic CsPbBr3 perovskite solar cells. Electrochimica Acta, 2021, 365, 137360.	2.6	27
27	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
28	Ti₃C₂T_{<i>x</i>} MXene-Activated Fast Gelation of Stretchable and Self-Healing Hydrogels: A Molecular Approach. ACS Nano, 2021, 15, 2698-2706.	7.3	157
29	Postpassivation of Cs_{0.05}(FA_{0.83}MA_{0.17})_{0.95}Pb(I_{0.83}Br_{0.17})<sub>3</su Perovskite Films with Tris(pentafluorophenyl)borane. ACS Applied Materials & Interfaces, 2021, 13, 2472-2482.	4.0	34
30	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
31	The Impact of PbI 2 :KI Alloys on the Performance of Sequentially Deposited Perovskite Solar Cells. European Journal of Inorganic Chemistry, 2021, 2021, 821-830.	1.0	5
32	Supermolecule Cucurbituril Subnanoporous Carbon Supercapacitor (SCSCS). Nano Letters, 2021, 21, 2156-2164.	4.5	40
33	Engineering Bandâ€Type Alignment in CsPbBr₃ Perovskiteâ€Based Artificial Multiple Quantum Wells. Advanced Materials, 2021, 33, e2005166.	11.1	12
34	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
35	Additive Engineering by 6-Aminoquinoline Monohydrochloride for High-Performance Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 7083-7090.	2.5	9
36	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

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37	Hotspots, Frontiers, and Emerging Trends of Superabsorbent Polymer Research: A Comprehensive Review. Frontiers in Chemistry, 2021, 9, 688127.	1.8	14
38	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
39	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
40	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
41	Phthalide and 1â€Iodooctadecane Synergistic Optimization for Highly Efficient and Stable Perovskite Solar Cells. Small, 2021, 17, e2103336.	5.2	23
42	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
43	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
44	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
45	Ammonium Fluoride Interface Modification for Highâ€Performance and Longâ€Term Stable Perovskite Solar Cells. Energy Technology, 2020, 8, 1901017.	1.8	12
46	Synergy of Plasmonic Silver Nanorod and Water for Enhanced Planar Perovskite Photovoltaic Devices. Solar Rrl, 2020, 4, 1900231.	3.1	26
47	Regulation of Interfacial Charge Transfer and Recombination for Efficient Planar Perovskite Solar Cells. Solar Rrl, 2020, 4, 1900198.	3.1	46
48	CoBr₂-doping-induced efficiency improvement of CsPbBr₃ planar perovskite solar cells. Journal of Materials Chemistry C, 2020, 8, 1649-1655.	2.7	37
49	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
50	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
51	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
52	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
53	Autonomous MXene-PVDF actuator for flexible solar trackers. Nano Energy, 2020, 77, 105277.	8.2	35
54	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

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55	MXene hydrogels: fundamentals and applications. Chemical Society Reviews, 2020, 49, 7229-7251.	18.7	368
56	Additive Engineering by Bifunctional Guanidine Sulfamate for Highly Efficient and Stable Perovskites Solar Cells. Small, 2020, 16, e2004877.	5.2	35
57	Building Lithiophilic Ionâ€Conduction Highways on Garnetâ€Type Solidâ€State Li⁺ Conductors. Advanced Energy Materials, 2020, 10, 1904230.	10.2	62
58	Unprecedented Surface Plasmon Modes in Monoclinic MoO₂ Nanostructures. Advanced Materials, 2020, 32, e1908392.	11.1	28
59	MXene Printing and Patterned Coating for Device Applications. Advanced Materials, 2020, 32, e1908486.	11.1	239
60	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
61	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
62	Highly Efficient CsPbBr₃ Planar Perovskite Solar Cells via Additive Engineering with NH₄SCN. ACS Applied Materials & Interfaces, 2020, 12, 10579-10587.	4.0	80
63	Polymeric Sulfur as a Li Ion Conductor. Nano Letters, 2020, 20, 2191-2196.	4.5	15
64	Highâ€Efficiency Lowâ€Temperatureâ€Processed Mesoscopic Perovskite Solar Cells from SnO₂ Nanorod Selfâ€Assembled Microspheres. Solar Rrl, 2020, 4, 1900558.	3.1	21
65	Highâ€Performance Perovskite Solar Cells Using Iodine as Effective Dopant for Spiroâ€OMeTAD. Energy Technology, 2020, 8, 1901171.	1.8	14
66	Fluoroaromatic Cationâ€Assisted Planar Junction Perovskite Solar Cells with Improved <i>V</i>_{OC} and Stability: The Role of Fluorination Position. Solar Rrl, 2020, 4, 2000107.	3.1	68
67	MXene improves the stability and electrochemical performance of electropolymerized PEDOT films. APL Materials, 2020, 8, .	2.2	25
68	Inkjet-printed Ti₃C₂T_x MXene electrodes for multimodal cutaneous biosensing. JPhys Materials, 2020, 3, 044004.	1.8	30
69	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
70	Synergistic Cobalt Sulfide/Eggshell Membrane Carbon Electrode. ACS Applied Materials & Interfaces, 2019, 11, 32244-32250.	4.0	32
71	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
72	Metal Halide Perovskite and Phosphorus Doped g-C₃N₄ Bulk Heterojunctions for Air-Stable Photodetectors. ACS Energy Letters, 2019, 4, 2315-2322.	8.8	36

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73	Visible light-driven flower-like Bi/BiOClxBr(1âˆ’x) heterojunction with excellent photocatalytic performance. Journal of the Iranian Chemical Society, 2019, 16, 2743-2754.	1.2	7
74	Solvent engineering of LiTFSI towards high-efficiency planar perovskite solar cells. Solar Energy, 2019, 194, 321-328.	2.9	17
75	MAPbI₃ Single Crystals Free from Hole-Trapping Centers for Enhanced Photodetectivity. ACS Energy Letters, 2019, 4, 2579-2584.	8.8	40
76	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
77	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
78	MXenes for Plasmonic Photodetection. Advanced Materials, 2019, 31, e1807658.	11.1	175
79	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
80	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
81	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
82	Polymer Electrolyte Glue: A Universal Interfacial Modification Strategy for All-Solid-State Li Batteries. Nano Letters, 2019, 19, 2343-2349.	4.5	105
83	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
84	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
85	High-Performance and Hysteresis-Free Perovskite Solar Cells Based on Rare-Earth-Doped SnO ₂ Mesoporous Scaffold. Research, 2019, 2019, 4049793.	2.8	35
86	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
87	Cadmium sulfide as an efficient electron transport material for inverted planar perovskite solar cells. Chemical Communications, 2018, 54, 3170-3173.	2.2	41
88	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
89	Growth of Ni3Se2 nanosheets on Ni foam for asymmetric supercapacitors. Journal of Materials Science: Materials in Electronics, 2018, 29, 4649-4657.	1.1	33
90	Annealingâ€Free Cr₂O₃ Electronâ€Selective Layer for Efficient Hybrid Perovskite Solar Cells. ChemSusChem, 2018, 11, 619-628.	3.6	22

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91	Improving the Performance of a Perovskite Solar Cell by Adjusting the Dispersant for Titanium Dioxide. Energy Technology, 2018, 6, 677-682.	1.8	2
92	Improved performance of a CoTe//AC asymmetric supercapacitor using a redox additive aqueous electrolyte. RSC Advances, 2018, 8, 7997-8006.	1.7	63
93	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
94	Construction of NiTe/NiSe Composites on Ni Foam for Highâ€Performance Asymmetric Supercapacitor. ChemElectroChem, 2018, 5, 507-514.	1.7	36
95	Multipolar Surface Plasmons in 2D Ti3C2Tx Flakes: an Ultra-High Resolution EELS with Conventional TEM and In-Situ Heating Study. Microscopy and Microanalysis, 2018, 24, 1578-1579.	0.2	4
96	An Additive of Sulfonic Lithium Salt for Highâ€Performance Perovskite Solar Cells. ChemistrySelect, 2018, 3, 12320-12324.	0.7	8
97	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
98	Thiourea Interfacial Modification for Highly Efficient Planar Perovskite Solar Cells. ACS Applied Energy Materials, 2018, 1, 6700-6706.	2.5	20
99	Diboronâ€Assisted Interfacial Defect Control Strategy for Highly Efficient Planar Perovskite Solar Cells. Advanced Materials, 2018, 30, e1805085.	11.1	128
100	Giant Photoluminescence Enhancement in CsPbCl₃ Perovskite Nanocrystals by Simultaneous Dual-Surface Passivation. ACS Energy Letters, 2018, 3, 2301-2307.	8.8	244
101	N,Oâ€Codoped Hierarchically Porous Carbons Derived from Squid Pen for Highâ€Capacity Supercapacitors. ChemistrySelect, 2018, 3, 8144-8150.	0.7	4
102	An efficient solvent additive for the preparation of anion-cation-mixed hybrid and the high performance perovskite solar cells. Journal of Colloid and Interface Science, 2018, 531, 602-608.	5.0	15
103	High-Efficiency Planar Hybrid Perovskite Solar Cells Using Indium Sulfide as Electron Transport Layer. ACS Applied Energy Materials, 2018, 1, 4050-4056.	2.5	30
104	Tunable Multipolar Surface Plasmons in 2D Ti₃C₂<i>T</i>_{<i>x</i>} MXene Flakes. ACS Nano, 2018, 12, 8485-8493.	7.3	179
105	Low-temperature sintered SnO2 electron transport layer for efficient planar perovskite solar cells. Journal of Materials Science: Materials in Electronics, 2018, 29, 13138-13147.	1.1	12
106	Low-temperature solution-processed efficient electron-transporting layers based on BF₄^{âˆ'}-capped TiO₂ nanorods for high-performance planar perovskite solar cells. Journal of Materials Chemistry C, 2018, 6, 334-341.	2.7	31
107	Solvent engineering for forming stonehenge-like PbI₂nano-structures towards efficient perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 4376-4383.	5.2	59
108	Fabrication of ZnO/SnO2 hierarchical structures as the composite photoanodes for efficient CdS/CdSe co-sensitized solar cells. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	3

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109	Nickel selenide/reduced graphene oxide nanocomposite as counter electrode for high efficient dye-sensitized solar cells. Journal of Colloid and Interface Science, 2017, 498, 217-222.	5.0	41
110	Fabrication a thin nickel oxide layer on photoanodes for control of charge recombination in dye-sensitized solar cells. Journal of Solid State Electrochemistry, 2017, 21, 1523-1531.	1.2	7
111	Hybrid electrolytes based on ionic liquids and amorphous porous silicon nanoparticles: Organization and electrochemical properties. Applied Materials Today, 2017, 9, 10-20.	2.3	16
112	Modulated CH3NH3PbI3âˆ’xBrx film for efficient perovskite solar cells exceeding 18%. Scientific Reports, 2017, 7, 44603.	1.6	60
113	Counter electrodes in dye-sensitized solar cells. Chemical Society Reviews, 2017, 46, 5975-6023.	18.7	609
114	CH₃NH₃Br Additive for Enhanced Photovoltaic Performance and Air Stability of Planar Perovskite Solar Cells prepared by Twoâ€Step Dipping Method. Energy Technology, 2017, 5, 1887-1894.	1.8	18
115	A gradient engineered hole-transporting material for monolithic series-type large-area perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 21161-21168.	5.2	35
116	Addition of Lithium Iodide into Precursor Solution for Enhancing the Photovoltaic Performance of Perovskite Solar Cells. Energy Technology, 2017, 5, 1814-1819.	1.8	4
117	Interface Engineering of electron Transport Layerâ€Free Planar Perovskite Solar Cells with Efficiency Exceeding 15â€‰%. Energy Technology, 2017, 5, 1844-1851.	1.8	13
118	Tuning the Fermi Level of TiO₂ Electron Transport Layer through Europium Doping for Highly Efficient Perovskite Solar Cells. Energy Technology, 2017, 5, 1820-1826.	1.8	42
119	Synthesis and Characterization of Luminescent Amorphous Porous Silicon (ap-Si) Nanoparticles via unconventional Stain Etching. Journal of Physics: Conference Series, 2016, 758, 012018.	0.3	1
120	Facile synthesis of porous CuS film as a high efficient counter electrode for quantum-dot-sensitized solar cells. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	1
121	Synthesis and gas sensing properties of SnO2 nanoparticles with different morphologies. Journal of Porous Materials, 2016, 23, 1189-1196.	1.3	8
122	High-Performance Molybdenum Diselenide Electrodes Used in Dye-Sensitized Solar Cells and Supercapacitors. IEEE Journal of Photovoltaics, 2016, 6, 1196-1202.	1.5	24
123	Multifunctional Rareâ€Earthâ€Doped Tin Oxide Compact Layers for Improving Performances of Photovoltaic Devices. Advanced Materials Interfaces, 2016, 3, 1600881.	1.9	16
124	Optimization of CdSe layer on modified ZnO hierarchical spheres by spin-SILAR for efficient CdS/CdSe co-sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2016, 27, 6656-6664.	1.1	4
125	An efficient method to prepare high-performance dye-sensitized photoelectrodes using ordered TiO2 nanotube arrays and TiO2 quantum dot blocking layers. Journal of Solid State Electrochemistry, 2016, 20, 2643-2650.	1.2	13
126	Mesoporous Co0.85Se nanosheets supported on Ni foam as a positive electrode material for asymmetric supercapacitor. Applied Surface Science, 2016, 362, 469-476.	3.1	83

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127	Preparation of long persistent phosphor SrAl2O4:Eu2+, Dy3+ and its application in dye-sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2016, 27, 1350-1356.	1.1	25
128	High-performance and transparent counter electrodes based on polypyrrole and ferrous sulfide nanoparticles for dye-sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2016, 27, 5680-5685.	1.1	8
129	High-performance Pt-NiO nanosheet-based counter electrodes for dye-sensitized solar cells. Journal of Solid State Electrochemistry, 2016, 20, 759-766.	1.2	21
130	An efficient titanium foil based perovskite solar cell: using a titanium dioxide nanowire array anode and transparent poly(3,4-ethylenedioxythiophene) electrode. RSC Advances, 2016, 6, 2778-2784.	1.7	51
131	An in situ polymerized PEDOT/Fe₃O₄ composite as a Pt-free counter electrode for highly efficient dye sensitized solar cells. RSC Advances, 2016, 6, 1637-1643.	1.7	28
132	Oxidation Induced Giant Modulation in the Luminescence of Colloidal Amorphous Porous Silicon Nanoparticles. Materials Research Society Symposia Proceedings, 2015, 1748, 44.	0.1	0
133	Highâ€performing dyeâ€sensitized solar cells based on reduced graphene oxide/<scp>PEDOTâ€PSS</scp> counter electrodes with sulfuric acid postâ€treatment. Journal of Applied Polymer Science, 2015, 132, .	1.3	15
134	Petal-like cobalt selenide nanosheets used as counter electrode in high efficient dye-sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2015, 26, 2501-2507.	1.1	16
135	PEDOT:PSS assisted preparation of a graphene/nickel cobalt oxide hybrid counter electrode to serve in efficient dye-sensitized solar cells. RSC Advances, 2015, 5, 100159-100168.	1.7	15
136	TiO₂quantum dots as superb compact block layers for high-performance CH₃NH₃PbI₃perovskite solar cells with an efficiency of 16.97%. Nanoscale, 2015, 7, 20539-20546.	2.8	87
137	Electrolytes in Dye-Sensitized Solar Cells. Chemical Reviews, 2015, 115, 2136-2173.	23.0	852
138	Improved photovoltaic performance of CdS/CdSe co-sensitized solar cells by using calcined starchâ€“ZnO mesoporous spheres. Journal of Materials Science: Materials in Electronics, 2015, 26, 2955-2961.	1.1	2
139	Preparation of nano-flower-like SnO2 particles and their applications in efficient CdS quantum dots sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2015, 26, 7914-7920.	1.1	10
140	Room-Temperature Reactivity Of Silicon Nanocrystals With Solvents: The Case Of Ketone And Hydrogen Production From Secondary Alcohols: Catalysis?. ACS Applied Materials & Interfaces, 2015, 7, 13794-13800.	4.0	19
141	Synthesis of hierarchical nanowires-based TiO2 spheres for their application as the light blocking layers in CdS/CdSe co-sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2015, 26, 693-699.	1.1	5
142	Cadmium selenide quantum dots solar cells featuring nickel sulfide/polyaniline as efficient counter electrode provide 4.15% efficiency. RSC Advances, 2015, 5, 42101-42108.	1.7	12
143	A strategy to enhance overall efficiency for dye-sensitized solar cells with a transparent electrode of nickel sulfide decorated with poly(3,4-ethylenedioxythiophene). RSC Advances, 2015, 5, 43639-43647.	1.7	17
144	A highly efficient flexible dye-sensitized solar cell based on nickel sulfide/platinum/titanium counter electrode. Nanoscale Research Letters, 2015, 10, 1.	3.1	959

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145	Hydrothermal synthesis of CoMoO₄/Co₉S₈ hybrid nanotubes based on counter electrodes for highly efficient dye-sensitized solar cells. RSC Advances, 2015, 5, 83029-83035.	1.7	19
146	Facile synthesis of Ni_{0.85}Se on Ni foam for high-performance asymmetric capacitors. RSC Advances, 2015, 5, 81474-81481.	1.7	41
147	Cobalt selenide/tin selenide hybrid used as a high efficient counter electrode for dye-sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2015, 26, 10102-10108.	1.1	21
148	Preparation of PAA-<i>g</i>-PEG/PANI polymer gel electrolyte and its application in quasi solid state dye-sensitized solar cells. Polymer Engineering and Science, 2015, 55, 322-326.	1.5	18
149	Band-gap engineering by molecular mechanical strain-induced giant tuning of the luminescence in colloidal amorphous porous silicon nanostructures. Physical Chemistry Chemical Physics, 2014, 16, 25273-25279.	1.3	10
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