

# Lu-Yin Lin

## List of Publications by Year in descending order

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144  
papers

4,962  
citations

81900

39  
h-index

133252

59  
g-index

146  
all docs

146  
docs citations

146  
times ranked

4991  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating energy storage ability of ZIF67-derived perovskite fluoride via tuning ammonium fluoride amounts. <i>Journal of Alloys and Compounds</i> , 2022, 892, 162191.	5.5	37
2	Disposable and cost-effective label-free electrochemical immunosensor for prolactin based on bismuth sulfide nanorods with polypyrrole. <i>Bioelectrochemistry</i> , 2022, 143, 107948.	4.6	13
3	Developing zeolitic imidazolate frameworks 67-derived fluorides using 2-methylimidazole and ammonia fluoride for energy storage and electrocatalysis. <i>Energy</i> , 2022, 239, 122129.	8.8	38
4	Design of LiFePO <sub>4</sub> and porous carbon composites with excellent High-Rate charging performance for Lithium-Ion secondary battery. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1457-1465.	9.4	32
5	Novel direct growth of ZIF-67 derived Co <sub>3</sub> O <sub>4</sub> and N-doped carbon composites on carbon cloth as supercapacitor electrodes. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 493-503.	9.4	69
6	Novel synthesis of sulfur-doped graphitic carbon nitride and NiCo <sub>2</sub> S <sub>4</sub> composites as efficient active materials for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2022, 903, 163972.	5.5	20
7	Bilayer Lubricant-Infused Particulate Films as Slippery Protective Coatings with Durable Anticorrosion and Antifouling Performance. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	8
8	Design of novel self-assembled MXene and ZIF67 derivative composites as efficient electroactive material of energy storage device. <i>Journal of Colloid and Interface Science</i> , 2022, 618, 219-228.	9.4	53
9	Effects of size and phase of TiO <sub>2</sub> in poly (vinyl alcohol)-based gel electrolyte on energy storage ability of flexible capacitive supercapacitors. <i>Journal of Energy Storage</i> , 2022, 52, 104773.	8.1	8
10	Enhanced photocurrent density for photoelectrochemical catalyzing water oxidation using novel W-doped BiVO <sub>4</sub> and metal organic framework composites. <i>Journal of Colloid and Interface Science</i> , 2022, 624, 515-526.	9.4	17
11	Novel synthesis of ZIF67-derived MnCo <sub>2</sub> O <sub>4</sub> nanotubes using electrospinning and hydrothermal techniques for supercapacitor. <i>Journal of Solid State Chemistry</i> , 2022, 313, 123351.	2.9	8
12	MOF-Derived Cu-BTC Nanowire-Embedded 2D Leaf-like Structured ZIF Composite-Based Aptamer Sensors for Real-Time <i>In Vivo</i> Insulin Monitoring. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 28639-28650.	8.0	21
13	Sulfurization of nickel-cobalt fluoride decorating ammonia ions as efficient active material of supercapacitor. <i>Journal of Solid State Chemistry</i> , 2022, 313, 123345.	2.9	11
14	Rational design of W-doped BiVO <sub>4</sub> photoanode coupled with FeOOH for highly efficient photoelectrochemical catalyzing water oxidation. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 27012-27022.	7.1	22
15	Novel incorporation of redox active organic molecule with activated carbon as efficient active material of supercapacitors. <i>Journal of Energy Storage</i> , 2022, 53, 105085.	8.1	10
16	Novel design of TiO <sub>2</sub> goober structure/microcone array photoanode for fiber-type dye-sensitized solar cell: Effect of peanut growth duration and TiO <sub>2</sub> precursor concentration. <i>Journal of Power Sources</i> , 2021, 482, 228954.	7.8	4
17	Deformable, resilient, and mechanically-durable triboelectric nanogenerator based on recycled coffee waste for wearable power and self-powered smart sensors. <i>Nano Energy</i> , 2021, 79, 105405.	16.0	47
18	Developing hematite homojunction with titanium and magnesium dopants for photocatalyzing water oxidation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 6321-6328.	7.1	7

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19	Label-free electrochemical immunosensor based on gold nanoparticle/polyethyleneimine/reduced graphene oxide nanocomposites for the ultrasensitive detection of cancer biomarker matrix metalloproteinase-1. <i>Analyst</i> , The, 2021, 146, 4066-4079.	3.5	34
20	Sustainable functional materials for next-generation supercapacitors. , 2021, , 3-26.		0
21	Efficient pore engineering in carbonized zeolitic imidazolate Framework-8 via chemical and physical methods as active materials for supercapacitors. <i>Journal of Power Sources</i> , 2021, 486, 229370.	7.8	38
22	Systematic synthesis of ZIF-67 derived Co <sub>3</sub> O <sub>4</sub> and N-doped carbon composite for supercapacitors via successive oxidation and carbonization. <i>Electrochimica Acta</i> , 2021, 376, 137986.	5.2	64
23	Synthesizing novel NH <sub>4</sub> CoxNi <sub>1-x</sub> F <sub>3</sub> as electroactive material for supercapacitors using 2-methylimidazole: Study of reaction durations. <i>Journal of Power Sources</i> , 2021, 494, 229754.	7.8	39
24	Improving energy storage ability of Universitetet i Oslo-66 as active material of supercapacitor using carbonization and acid treatment. <i>Journal of Energy Storage</i> , 2021, 37, 102480.	8.1	12
25	Enhanced energy storage ability of UIO66 active material on acid-treated carbon cloth for flexible supercapacitors. <i>Electrochimica Acta</i> , 2021, 380, 138241.	5.2	14
26	Efficient bismuth vanadate homojunction with zinc and tungsten doping via simple successive spin-coating process for photoelectrochemical catalyzing water oxidation. <i>Journal of Power Sources</i> , 2021, 499, 229964.	7.8	18
27	Novel <i>in Situ</i> Synthesis of Freestanding Carbonized ZIF67/Polymer Nanofiber Electrodes for Supercapacitors via Electrospinning and Pyrolysis Techniques. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 41637-41648.	8.0	48
28	Template-free synthesis of mesoporous Ce <sub>3</sub> NbO <sub>7</sub> /CeO <sub>2</sub> hollow nanospheres for label-free electrochemical immunosensing of leptin. <i>Sensors and Actuators B: Chemical</i> , 2021, 341, 130005.	7.8	20
29	Facile synthesis of perovskite ZIF67 derivative using ammonia fluoride and comparison with post-treated ZIF67 derivatives on energy storage ability. <i>Electrochimica Acta</i> , 2021, 389, 138680.	5.2	41
30	Improving energy storage ability of acid-treated carbon fibers via simple sonication and heat treatments for flexible supercapacitors. <i>Energy Reports</i> , 2021, 7, 4205-4213.	5.1	5
31	Streptavidin-functionalized-polyethyleneimine/chitosan/HfO <sub>2</sub> -Pr <sub>6</sub> O <sub>11</sub> nanocomposite using label-free electrochemical immunosensor for detecting the hunger hormone ghrelin. <i>Composites Part B: Engineering</i> , 2021, 224, 109231.	12.0	10
32	Decoration of TiO <sub>2</sub> nanoparticles on TiO <sub>2</sub> microcone array with holes as photoanodes of fiber-shaped dye-sensitized solar cells. <i>Materials Science in Semiconductor Processing</i> , 2021, 136, 106152.	4.0	4
33	Synthesizing molybdenum-doped bismuth vanadate nanoneedle array as photocatalyst for water oxidation using bifunctional molybdenum as dopant and structure directing agent. <i>Electrochimica Acta</i> , 2020, 329, 135171.	5.2	9
34	Molybdenum doping effects for bismuth vanadate photocatalysts on electrochemical performances using the solution process. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 667-674.	7.1	10
35	Fabrication of TiO <sub>2</sub> nanoparticle/TiO <sub>2</sub> microcone array photoanode for fiber-type dye-sensitized solar cells: Effect of acid concentration on morphology of microcone. <i>Electrochimica Acta</i> , 2020, 331, 135278.	5.2	11
36	Substrate Diameter-Dependent Photovoltaic Performance of Flexible Fiber-Type Dye-Sensitized Solar Cells with TiO <sub>2</sub> Nanoparticle/TiO <sub>2</sub> Nanotube Array Photoanodes. <i>Nanomaterials</i> , 2020, 10, 13.	4.1	13

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37	Novel pseudo-parallel activated carbon/carbon cloth electrodes connected in novel series for flexible symmetric supercapacitor with enlarged potential window. <i>Electrochimica Acta</i> , 2020, 363, 137275.	5.2	25
38	Heteroatom Doping Strategy for Establishing Hematite Homojunction as Efficient Photocatalyst for Accelerating Water Splitting. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3853-3860.	3.3	4
39	Study of pH value effect on synthesizing UIO-66 and carbonized UIO-66 as active material for solid-state supercapacitors. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 116, 197-204.	5.3	19
40	Self-Chargeable Flexible Solid-State Supercapacitors for Wearable Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 44883-44891.	8.0	32
41	Tailoring growth process of heteroatom-doped hematite homojunction electrodes for photoelectrochemical catalysis of water oxidation reaction. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 110, 21-27.	5.3	3
42	Novel flexible solid-state pseudo-parallel pseudocapacitor with manganese oxide active material synthesized using electrodeposition. <i>Journal of Alloys and Compounds</i> , 2020, 843, 156017.	5.5	23
43	Design of efficient Mn-doped $\text{Fe}_2\text{O}_3/\text{Ti-doped Fe}_2\text{O}_3$ homojunction for catalyzing photoelectrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 6487-6499.	7.1	31
44	Novel in Situ Synthesis of $\text{BiVO}_4/\text{Co}_3(\text{PO}_4)_2$ Co-Catalyst Powder via the One-Step Solid-State Process for Photoelectrochemical Catalyzing Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2948-2956.	6.7	25
45	Enhanced Surface Area, Graphene Quantum Dots, and Functional Groups for the Simple Acid-Treated Carbon Fiber Electrode of Flexible Fiber-Type Solid-State Supercapacitors without Active Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2453-2461.	6.7	33
46	Systematic Design of Polypyrrole/Carbon Fiber Electrodes for Efficient Flexible Fiber-Type Solid-State Supercapacitors. <i>Nanomaterials</i> , 2020, 10, 248.	4.1	22
47	Tuning electrolyte configuration and composition for fiber-shaped dye-sensitized solar cell with poly(vinylidene fluoride-co-hexafluoropropylene) gel electrolyte. <i>Journal of Colloid and Interface Science</i> , 2020, 571, 126-133.	9.4	14
48	Insight into the correlation of Pt <sup>δ+</sup> support interactions with electrocatalytic activity and durability in fuel cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9420-9446.	10.3	62
49	Facile solid-state synthesis of heteroatom-doped and alkaline-treated bismuth vanadate for photocatalyzing methylene blue degradation and water oxidation. <i>Materials Science in Semiconductor Processing</i> , 2020, 117, 105180.	4.0	3
50	Design of nickel cobalt oxide and nickel cobalt oxide@nickel molybdenum oxide battery-type materials for flexible solid-state battery supercapacitor hybrids. <i>Journal of Power Sources</i> , 2019, 435, 226797.	7.8	70
51	Efficient battery supercapacitor hybrid devices with quaternary metal oxide electrodes based on nickel and cobalt. <i>Journal of Energy Storage</i> , 2019, 25, 100826.	8.1	45
52	Novel synthesis of highly ordered $\text{BiVO}_4$ nanorod array for photoelectrochemical water oxidation using a facile solution process. <i>Journal of Power Sources</i> , 2019, 436, 226842.	7.8	33
53	Incorporating redox additives in sodium hydroxide electrolyte for energy storage device with the nickel cobalt molybdenum oxide active material. <i>Journal of Energy Storage</i> , 2019, 25, 100823.	8.1	18
54	Pulse reverse electrodeposited nickel cobalt sulfide nanosheets on Ni foam as battery-type electrode for battery supercapacitor hybrids. <i>Journal of Energy Storage</i> , 2019, 25, 100903.	8.1	30

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55	A review of electrode materials based on core-shell nanostructures for electrochemical supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3516-3530.	10.3	180
56	Effect of activating agents for producing activated carbon using a facile one-step synthesis with waste coffee grounds for symmetric supercapacitors. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 101, 177-185.	5.3	137
57	Facile synthesis of Bi-functional molybdenum-doped BiVO <sub>4</sub> /Molybdenum oxide heterojunction as the photocatalyst for water oxidation. <i>Journal of Power Sources</i> , 2019, 434, 226705.	7.8	16
58	Influence of structure directing agents on synthesizing battery-type materials for flexible battery supercapacitor hybrids. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 100, 105-116.	5.3	30
59	Facile synthesis of bismuth vanadate/bismuth oxide heterojunction for enhancing visible light-responsive photoelectrochemical performance. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 100, 178-185.	5.3	19
60	Facile solid-state synthesis for producing molybdenum and tungsten co-doped monoclinic BiVO <sub>4</sub> as the photocatalyst for photoelectrochemical water oxidation. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 7905-7914.	7.1	58
61	Studying the substrate effects on energy storage abilities of flexible battery supercapacitor hybrids based on nickel cobalt oxide and nickel cobalt oxide@nickel molybdenum oxide. <i>Electrochimica Acta</i> , 2019, 308, 83-90.	5.2	64
62	Synthesizing Ni-based ternary metal compounds for battery-supercapacitor hybrid devices with and without using nickel precursors. <i>Materials Science in Semiconductor Processing</i> , 2019, 98, 81-89.	4.0	28
63	Applied potential-dependent performance of the nickel cobalt oxysulfide nanotube/nickel molybdenum oxide nanosheet core-shell structure in energy storage and oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4626-4639.	10.3	59
64	Enhancing the Contact Area of Ti Wire as Photoanode Substrate of Flexible Fiber-Type Dye-Sensitized Solar Cells Using the TiO <sub>2</sub> Nanotube Growth and Removal Technique. <i>Nanomaterials</i> , 2019, 9, 1521.	4.1	8
65	Morphology variation for the nickel cobalt molybdenum copper oxide with different metal ratios and their application on energy storage. <i>Electrochimica Acta</i> , 2019, 298, 745-755.	5.2	34
66	Investigating the redox behavior of activated carbon supercapacitors with hydroquinone and p-phenylenediamine dual redox additives in the electrolyte. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 295-305.	9.4	55
67	Novel synthesis of popcorn-like TiO <sub>2</sub> light scatterers using a facile solution method for efficient dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2019, 413, 384-390.	7.8	25
68	Improving the photoelectrochemical catalytic ability of bismuth vanadate electrodes by depositing efficient Co-catalysts. <i>Electrochimica Acta</i> , 2019, 295, 507-513.	5.2	27
69	Synthesizing nickel-based transition bimetallic oxide via nickel precursor-free hydrothermal synthesis for battery supercapacitor hybrid devices. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 297-307.	9.4	53
70	Weight ratio effects on morphology and electrocapacitive performance for the MoS <sub>2</sub> /polypyrrole electrodes. <i>Applied Surface Science</i> , 2018, 444, 789-799.	6.1	30
71	All binder-free electrophoresis deposition synthesis of nickel cobalt hydroxide/ultraphene and activated carbon electrodes for asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2018, 273, 115-126.	5.2	29
72	Double-Wall TiO <sub>2</sub> Nanotubes for Dye-Sensitized Solar Cells: A Study of Growth Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3907-3915.	6.7	29

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73	Boron-doped carbon nanotubes as metal-free electrocatalyst for dye-sensitized solar cells: Heteroatom doping level effect on tri-iodide reduction reaction. <i>Journal of Power Sources</i> , 2018, 375, 29-36.	7.8	75
74	A two-dimensional porous electrode model for designing pore structure in a quinone-based flow cell. <i>Journal of Energy Storage</i> , 2018, 18, 16-25.	8.1	11
75	Electrodeposition of Sb <sub>2</sub> S <sub>3</sub> light absorbers on TiO <sub>2</sub> nanorod array as photocatalyst for water oxidation. <i>Thin Solid Films</i> , 2018, 651, 124-130.	1.8	26
76	Enhanced electrocapacitive performance for the supercapacitor with tube-like polyaniline and graphene oxide composites. <i>Electrochimica Acta</i> , 2018, 259, 348-354.	5.2	39
77	Iodine-free nanocomposite gel electrolytes for quasi-solid-state dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2018, 403, 157-166.	7.8	16
78	Direct Growth of BiVO <sub>4</sub> /Bi <sub>2</sub> S <sub>3</sub> Nanorod Array on Conductive Glass as Photocatalyst for Enhancing the Photoelectrochemical Performance. <i>ACS Applied Energy Materials</i> , 2018, 1, 6089-6100.	5.1	47
79	Influences of core morphology on electrocapacitive performance of NiCo <sub>2</sub> O <sub>4</sub> -based core/shell electrodes. <i>Thin Solid Films</i> , 2018, 667, 69-75.	1.8	11
80	Synthesis of Ternary Metal Oxides for Battery-Supercapacitor Hybrid Devices: Influences of Metal Species on Redox Reaction and Electrical Conductivity. <i>ACS Applied Energy Materials</i> , 2018, 1, 2979-2990.	5.1	89
81	Dye-Sensitized Solar Cells. , 2018, , 270-281.		20
82	Synthesis of monoclinic BiVO <sub>4</sub> nanorod array for photoelectrochemical water oxidation: Seed layer effects on growth of BiVO <sub>4</sub> nanorod array. <i>Electrochimica Acta</i> , 2018, 285, 164-171.	5.2	42
83	Rational design of nickel cobalt sulfide/cobalt sulfide sheet-on-sheet structure for asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2018, 283, 1245-1252.	5.2	32
84	Nickel precursor-free synthesis of nickel cobalt-based ternary metal oxides for asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2018, 281, 692-699.	5.2	54
85	Synthesis of a monoclinic BiVO <sub>4</sub> nanorod array as the photocatalyst for efficient photoelectrochemical water oxidation. <i>RSC Advances</i> , 2017, 7, 7547-7554.	3.6	67
86	Synthesis of the cobalt sulfide hydrangea macrophylla for the energy storage electrode. <i>Journal of Applied Electrochemistry</i> , 2017, 47, 393-404.	2.9	1
87	Boron-doped carbon nanotubes with uniform boron doping and tunable dopant functionalities as an efficient electrocatalyst for dopamine oxidation reaction. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 288-297.	7.8	37
88	Growing Sequence Effects of Core-shell Nanostructure on Morphology and Electrocapacitive Ability for Energy-Storage Electrodes. <i>Electrochimica Acta</i> , 2017, 255, 309-322.	5.2	14
89	Methodology for synthesizing the nickel cobalt hydroxide/oxide and reduced graphene oxide complex for energy storage electrodes. <i>Journal of Energy Storage</i> , 2017, 14, 112-124.	8.1	12
90	Improving Visible-light Responses and Electric Conductivities by Incorporating Sb <sub>2</sub> S <sub>3</sub> and Reduced Graphene Oxide in a WO <sub>3</sub> Nanoplate Array for Photoelectrochemical Water Oxidation. <i>Electrochimica Acta</i> , 2017, 252, 235-244.	5.2	27

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91	Material Effects on the Electrocapacitive Performance for the Energy-storage Electrode with Nickel Cobalt Oxide Core/shell Nanostructures. <i>Electrochimica Acta</i> , 2017, 250, 335-347.	5.2	31
92	Thermally Stable Boron-Doped Multiwalled Carbon Nanotubes as a Pt-free Counter Electrode for Dye-Sensitized Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 537-546.	6.7	44
93	Preparation of Nano-composite Gel Electrolytes with Metal Oxide Additives for Dye-sensitized Solar Cells. <i>Electrochimica Acta</i> , 2016, 212, 333-342.	5.2	31
94	Incorporating hydrangea-like titanium dioxide light scatterer with high dye-loading on the photoanode for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2016, 319, 131-138.	7.8	10
95	Novel TiO <sub>2</sub> /Sb <sub>2</sub> S <sub>3</sub> heterojunction with whole visible-light response for photoelectrochemical water splitting reactions. <i>RSC Advances</i> , 2016, 6, 49130-49137.	3.6	36
96	Highly efficient supercapacitor electrode with two-dimensional tungsten disulfide and reduced graphene oxide hybrid nanosheets. <i>Journal of Power Sources</i> , 2016, 320, 78-85.	7.8	120
97	Effect of the bimetal ratio on the growth of nickel cobalt sulfide on the Ni foam for the battery-like electrode. <i>Journal of Colloid and Interface Science</i> , 2016, 482, 1-7.	9.4	28
98	Nickel precursor-free synthesis of nickel cobalt sulfide on Ni foam: Effects of the pH value on the morphology and the energy-storage ability. <i>Journal of Energy Storage</i> , 2016, 8, 60-68.	8.1	29
99	Structure variation of nickel cobalt sulfides using Ni foam and nickel salt as the nickel source and the application on the supercapacitor electrode. <i>Journal of Energy Storage</i> , 2016, 7, 295-304.	8.1	21
100	Application of novel multiple-dimensional cobalt oxides as the electroactive material on supercapacitors. <i>RSC Advances</i> , 2016, 6, 72845-72851.	3.6	2
101	ZnO double layer film with a novel organic sensitizer as an efficient photoelectrode for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2016, 325, 209-219.	7.8	15
102	Enhanced Visible-light Response and Conductivity of the TiO <sub>2</sub> /reduced graphene oxide/Sb <sub>2</sub> S <sub>3</sub> Heterojunction for Photoelectrochemical Water Oxidation. <i>Electrochimica Acta</i> , 2016, 211, 576-585.	5.2	24
103	Investigation of the electroactive capability for the supercapacitor electrode with cobalt oxide rhombus nanopillar and nanobrush arrays. <i>Journal of Power Sources</i> , 2016, 315, 23-34.	7.8	35
104	UV Light-assisted Electropolymerization of Pyrrole on TiO <sub>2</sub> for Supercapacitors: Investigating the Role of TiO <sub>2</sub> . <i>Electrochimica Acta</i> , 2016, 190, 313-321.	5.2	11
105	Recent progress in organic sensitizers for dye-sensitized solar cells. <i>RSC Advances</i> , 2015, 5, 23810-23825.	3.6	207
106	Facile Synthesis of Boron-doped Graphene Nanosheets with Hierarchical Microstructure at Atmosphere Pressure for Metal-free Electrochemical Detection of Hydrogen Peroxide. <i>Electrochimica Acta</i> , 2015, 172, 52-60.	5.2	68
107	Controlling Available Active Sites of Pt-Loaded TiO <sub>2</sub> Nanotube-Imprinted Ti Plates for Efficient Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 3910-3919.	8.0	14
108	Improved photovoltaic performances of dye-sensitized solar cells with ZnO films co-sensitized by metal-free organic sensitizer and N719 dye. <i>Organic Electronics</i> , 2015, 25, 254-260.	2.6	24

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109	Bifunctional Zinc Oxide Nanoburger Aggregates as the Dye-Adsorption and Light-Scattering Layer for Dye-Sensitized Solar Cells. <i>Electrochimica Acta</i> , 2015, 169, 456-461.	5.2	16
110	Synthesizing highly conductive cobalt sulfide hydrangea macrophylla using long carbon-chain sulfur source for supercapacitors. <i>RSC Advances</i> , 2015, 5, 83383-83390.	3.6	16
111	Dual-functional zinc oxide aggregates with reaction time-dependent morphology as the dye-adsorption layer for dye-sensitized solar cells. <i>Journal of Electroanalytical Chemistry</i> , 2015, 757, 159-166.	3.8	6
112	Enhancing the Spectral Response of Mesoporous ZnO Films of Dye-sensitized Solar Cells by Incorporating Metal-free Organic Sensitizer and N719 dye. <i>Electrochimica Acta</i> , 2015, 178, 414-419.	5.2	20
113	Size effects of platinum nanoparticles on the electrocatalytic ability of the counter electrode in dye-sensitized solar cells. <i>Nano Energy</i> , 2015, 17, 241-253.	16.0	44
114	Synthesis of Boron-doped Multi-walled Carbon Nanotubes by an Ammonia-assisted Substitution Reaction for Applying in Supercapacitors. <i>Energy Procedia</i> , 2014, 61, 1764-1767.	1.8	18
115	Dye-Sensitized Solar Cells with Reduced Graphene Oxide as the Counter Electrode Prepared by a Green Photothermal Reduction Process. <i>ChemPhysChem</i> , 2014, 15, 1175-1181.	2.1	58
116	Insights into the co-sensitizer adsorption kinetics for complementary organic dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2014, 247, 906-914.	7.8	54
117	Study on Oxidation State Dependent Electrocatalytic Ability for $\text{H}_2\text{O}_2$ Redox Reaction of Reduced Graphene Oxides. <i>Electroanalysis</i> , 2014, 26, 147-155.	2.9	7
118	Surface modification of $\text{TiO}_2$ nanotube arrays with $\text{Y}_2\text{O}_3$ barrier layer: controlling charge recombination dynamics in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8281-8287.	10.3	18
119	Nanocomposite Graphene/Pt Electrocatalyst as Economical Counter Electrode for Dye-Sensitized Solar Cells. <i>ChemElectroChem</i> , 2014, 1, 416-425.	3.4	35
120	Multiwalled Carbon Nanotube@Reduced Graphene Oxide Nanoribbon as the Counter Electrode for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16626-16634.	3.1	76
121	Self-Assembled All-Conjugated Block Copolymer as an Effective Hole Conductor for Solid-State Dye-Sensitized Solar Cells. <i>ACS Nano</i> , 2014, 8, 1254-1262.	14.6	19
122	Co-sensitization promoted light harvesting for organic dye-sensitized solar cells using unsymmetrical squaraine dye and novel pyrenoimidazole-based dye. <i>Journal of Power Sources</i> , 2013, 240, 779-785.	7.8	60
123	A novel core-shell multi-walled carbon nanotube@graphene oxide nanoribbon heterostructure as a potential supercapacitor material. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11237.	10.3	90
124	Flexible dye-sensitized solar cells with one-dimensional ZnO nanorods as electron collection centers in photoanodes. <i>Electrochimica Acta</i> , 2013, 88, 421-428.	5.2	25
125	Preparing core-shell structure of ZnO@TiO <sub>2</sub> nanowires through a simple dipping-rinse-hydrolyzation process as the photoanode for dye-sensitized solar cells. <i>Nano Energy</i> , 2013, 2, 609-621.	16.0	26
126	Highly ordered TiO <sub>2</sub> nanotube stamps on Ti foils: Synthesis and application for all flexible dye-sensitized solar cells. <i>Electrochemistry Communications</i> , 2013, 37, 71-75.	4.7	14



#	ARTICLE	IF	CITATIONS
127	High performance CdS quantum-dot-sensitized solar cells with Ti-based ceramic materials as catalysts on the counter electrode. <i>Journal of Power Sources</i> , 2013, 237, 141-148.	7.8	34
128	ZnO nanowire/nanoparticles composite films for the photoanodes of quantum dot-sensitized solar cells. <i>Electrochimica Acta</i> , 2013, 88, 35-43.	5.2	40
129	Improved performance of dye-sensitized solar cells using TiO <sub>2</sub> nanotubes infiltrated by TiO <sub>2</sub> nanoparticles using a dipping-rinsing-hydrolysis process. <i>Journal of Power Sources</i> , 2013, 243, 535-543.	7.8	20
130	Dye-sensitized solar cells with low-cost catalytic films of polymer-loaded carbon black on their counter electrode. <i>RSC Advances</i> , 2013, 3, 5871.	3.6	29
131	A novel 2,7-diaminofluorene-based organic dye for a dye-sensitized solar cell. <i>Journal of Power Sources</i> , 2012, 215, 122-129.	7.8	24
132	Low-temperature flexible Ti/TiO <sub>2</sub> photoanode for dye-sensitized solar cells with binder-free TiO <sub>2</sub> paste. <i>Progress in Photovoltaics: Research and Applications</i> , 2012, 20, 181-190.	8.1	35
133	A low-cost counter electrode of ITO glass coated with a graphene/Nafion® composite film for use in dye-sensitized solar cells. <i>Carbon</i> , 2012, 50, 4192-4202.	10.3	77
134	Enhanced performance of a flexible dye-sensitized solar cell with a composite semiconductor film of ZnO nanorods and ZnO nanoparticles. <i>Electrochimica Acta</i> , 2012, 62, 341-347.	5.2	58
135	Improved exchange reaction in an ionic liquid electrolyte of a quasi-solid-state dye-sensitized solar cell by using 15-crown-5-functionalized MWCNT. <i>Journal of Materials Chemistry</i> , 2011, 21, 18467.	6.7	32
136	A composite catalytic film of PEDOT:PSS/TiN NPs on a flexible counter-electrode substrate for a dye-sensitized solar cell. <i>Journal of Materials Chemistry</i> , 2011, 21, 19021.	6.7	73
137	Metal-based flexible TiO <sub>2</sub> photoanode with titanium oxide nanotubes as the underlayer for enhancement of performance of a dye-sensitized solar cell. <i>Electrochimica Acta</i> , 2011, 57, 270-276.	5.2	22
138	Conducting polymer-based counter electrode for a quantum-dot-sensitized solar cell (QDSSC) with a polysulfide electrolyte. <i>Electrochimica Acta</i> , 2011, 57, 277-284.	5.2	128
139	A composite poly(3,3-diethyl-3,4-dihydro-2H-thieno-[3,4-b][1,4]-dioxepine) and Pt film as a counter electrode catalyst in dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2011, 56, 6157-6164.	5.2	29
140	Improving the durability of dye-sensitized solar cells through back illumination. <i>Journal of Power Sources</i> , 2011, 196, 1671-1676.	7.8	24
141	Enhanced performance of dye-sensitized solar cell with thermally-treated TiN in its TiO <sub>2</sub> film prepared at low temperature. <i>Journal of Power Sources</i> , 2011, 196, 1632-1638.	7.8	20
142	Selective conditions for the fabrication of a flexible dye-sensitized solar cell with Ti/TiO <sub>2</sub> photoanode. <i>Journal of Power Sources</i> , 2010, 195, 4344-4349.	7.8	60
143	Low-Temperature Flexible Photoanode and Net-Like Pt Counter Electrode for Improving the Performance of Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21808-21815.	3.1	34
144	All-solid-state dye-sensitized solar cells incorporating SWCNTs and crystal growth inhibitor. <i>Journal of Materials Chemistry</i> , 2010, 20, 3619.	6.7	63