

# 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  
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146  
all docs

146  
docs citations

146  
times ranked

4991  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in organic sensitizers for dye-sensitized solar cells. RSC Advances, 2015, 5, 23810-23825.	3.6	207
2	A review of electrode materials based on core-shell nanostructures for electrochemical supercapacitors. Journal of Materials Chemistry A, 2019, 7, 3516-3530.	10.3	180
3	Effect of activating agents for producing activated carbon using a facile one-step synthesis with waste coffee grounds for symmetric supercapacitors. Journal of the Taiwan Institute of Chemical Engineers, 2019, 101, 177-185.	5.3	137
4	Conducting polymer-based counter electrode for a quantum-dot-sensitized solar cell (QDSSC) with a polysulfide electrolyte. Electrochimica Acta, 2011, 57, 277-284.	5.2	128
5	Highly efficient supercapacitor electrode with two-dimensional tungsten disulfide and reduced graphene oxide hybrid nanosheets. Journal of Power Sources, 2016, 320, 78-85.	7.8	120
6	A novel core-shell multi-walled carbon nanotube@graphene oxide nanoribbon heterostructure as a potential supercapacitor material. Journal of Materials Chemistry A, 2013, 1, 11237.	10.3	90
7	Synthesis of Ternary Metal Oxides for Battery-Supercapacitor Hybrid Devices: Influences of Metal Species on Redox Reaction and Electrical Conductivity. ACS Applied Energy Materials, 2018, 1, 2979-2990.	5.1	89
8	A low-cost counter electrode of ITO glass coated with a graphene/Nafion® composite film for use in dye-sensitized solar cells. Carbon, 2012, 50, 4192-4202.	10.3	77
9	Multiwalled Carbon Nanotube@Reduced Graphene Oxide Nanoribbon as the Counter Electrode for Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2014, 118, 16626-16634.	3.1	76
10	Boron-doped carbon nanotubes as metal-free electrocatalyst for dye-sensitized solar cells: Heteroatom doping level effect on tri-iodide reduction reaction. Journal of Power Sources, 2018, 375, 29-36.	7.8	75
11	A composite catalytic film of PEDOT:PSS/TiN NPs on a flexible counter-electrode substrate for a dye-sensitized solar cell. Journal of Materials Chemistry, 2011, 21, 19021.	6.7	73
12	Design of nickel cobalt oxide and nickel cobalt oxide@nickel molybdenum oxide battery-type materials for flexible solid-state battery supercapacitor hybrids. Journal of Power Sources, 2019, 435, 226797.	7.8	70
13	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. Journal of Colloid and Interface Science, 2022, 608, 493-503.	9.4	69
14	Facile Synthesis of Boron-doped Graphene Nanosheets with Hierarchical Microstructure at Atmosphere Pressure for Metal-free Electrochemical Detection of Hydrogen Peroxide. Electrochimica Acta, 2015, 172, 52-60.	5.2	68
15	Synthesis of a monoclinic BiVO <sub>4</sub> nanorod array as the photocatalyst for efficient photoelectrochemical water oxidation. RSC Advances, 2017, 7, 7547-7554.	3.6	67
16	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. Electrochimica Acta, 2019, 308, 83-90.	5.2	64
17	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. Electrochimica Acta, 2021, 376, 137986.	5.2	64
18	All-solid-state dye-sensitized solar cells incorporating SWCNTs and crystal growth inhibitor. Journal of Materials Chemistry, 2010, 20, 3619.	6.7	63

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19	Insight into the correlation of Pt support interactions with electrocatalytic activity and durability in fuel cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9420-9446.	10.3	62
20	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
21	Co-sensitization promoted light harvesting for organic dye-sensitized solar cells using unsymmetrical squaraine dye and novel pyrenoidiazole-based dye. <i>Journal of Power Sources</i> , 2013, 240, 779-785.	7.8	60
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	Nanocomposite Graphene/Pt Electrocatalyst as Economical Counter Electrode for Dye-Sensitized Solar Cells. <i>ChemElectroChem</i> , 2014, 1, 416-425.	3.4	35
49	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
50	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
51	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
52	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
53	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> , 2021, 146, 4066-4079.	3.5	34
54	Novel synthesis of highly ordered BiVO <sub>4</sub> nanorod array for photoelectrochemical water oxidation using a facile solution process. <i>Journal of Power Sources</i> , 2019, 436, 226842.	7.8	33

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55	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
56	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
57	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
58	Self-Chargeable Flexible Solid-State Supercapacitors for Wearable Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 44883-44891.	8.0	32
59	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
60	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
61	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
62	Design of efficient Mn-doped $\text{Fe}_2\text{O}_3$ /Ti-doped $\text{Fe}_2\text{O}_3$ homojunction for catalyzing photoelectrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 6487-6499.	7.1	31
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	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

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73	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
74	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
75	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
76	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
77	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
78	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
79	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
80	Novel in Situ Synthesis of BiVO <sub>4</sub> Photocatalyst/Co <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> 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
81	Improving the durability of dye-sensitized solar cells through back illumination. <i>Journal of Power Sources</i> , 2011, 196, 1671-1676.	7.8	24
82	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
83	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
84	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
85	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
86	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
87	Systematic Design of Polypyrrole/Carbon Fiber Electrodes for Efficient Flexible Fiber-Type Solid-State Supercapacitors. <i>Nanomaterials</i> , 2020, 10, 248.	4.1	22
88	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
89	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
90	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

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91	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
92	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
93	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
94	Dye-Sensitized Solar Cells. , 2018, , 270-281.		20
95	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
96	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
97	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
98	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
99	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
100	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
101	Surface modification of TiO <sub>2</sub> nanotube arrays with Y <sub>2</sub> O <sub>3</sub> 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
102	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
103	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
104	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
105	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
106	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
107	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
108	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

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109	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
110	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
111	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
112	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
113	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
114	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
115	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
116	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
117	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
118	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
119	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
120	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
121	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
122	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
123	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
124	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
125	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
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