

Shengjie Peng

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161
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ext. citations

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avg, IF

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#	Paper	IF	Citations
154	Controlled Growth of NiMoO ₄ Nanosheet and Nanorod Arrays on Various Conductive Substrates as Advanced Electrodes for Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2015 , 5, 1401172	21.8	454
153	MS ₂ (M = Co and Ni) Hollow Spheres with Tunable Interiors for High-Performance Supercapacitors and Photovoltaics. <i>Advanced Functional Materials</i> , 2014 , 24, 2155-2162	15.6	362
152	In situ growth of NiCo ₂ S ₄ nanosheets on graphene for high-performance supercapacitors. <i>Chemical Communications</i> , 2013 , 49, 10178-80	5.8	347
151	Unique Cobalt Sulfide/Reduced Graphene Oxide Composite as an Anode for Sodium-Ion Batteries with Superior Rate Capability and Long Cycling Stability. <i>Small</i> , 2016 , 12, 1359-68	11	347
150	Shape-controlled synthesis of ternary chalcogenide ZnIn ₂ S ₄ and CuIn(S,Se) ₂ nano-/microstructures via facile solution route. <i>Journal of the American Chemical Society</i> , 2006 , 128, 7222-9	16.4	345
149	Atomically Dispersed Binary Co-Ni Sites in Nitrogen-Doped Hollow Carbon Nanocubes for Reversible Oxygen Reduction and Evolution. <i>Advanced Materials</i> , 2019 , 31, e1905622	24	340
148	Fabrication of spinel one-dimensional architectures by single-spinneret electrospinning for energy storage applications. <i>ACS Nano</i> , 2015 , 9, 1945-54	16.7	302
147	Necklace-like Multishelled Hollow Spinel Oxides with Oxygen Vacancies for Efficient Water Electrolysis. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13644-13653	16.4	288
146	Ultrathin S-doped MoSe ₂ nanosheets for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5597-5601	13	278
145	Multi-functional electrospun nanofibres for advances in tissue regeneration, energy conversion & storage, and water treatment. <i>Chemical Society Reviews</i> , 2016 , 45, 1225-41	58.5	274
144	Atomically Transition Metals on Self-Supported Porous Carbon Flake Arrays as Binder-Free Air Cathode for Wearable Zinc-Air Batteries. <i>Advanced Materials</i> , 2019 , 31, e1808267	24	265
143	The facile synthesis of hierarchical porous flower-like NiCo ₂ O ₄ with superior lithium storage properties. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10935	13	227
142	Electrospun porous NiCo ₂ O ₄ nanotubes as advanced electrodes for electrochemical capacitors. <i>Chemistry - A European Journal</i> , 2013 , 19, 5892-8	4.8	220
141	Hierarchical MnO ₂ nanowire/graphene hybrid fibers with excellent electrochemical performance for flexible solid-state supercapacitors. <i>Journal of Power Sources</i> , 2016 , 306, 481-488	8.9	210
140	Electrospun carbon nanofibers and their hybrid composites as advanced materials for energy conversion and storage. <i>Nano Energy</i> , 2016 , 22, 361-395	17.1	200
139	A Binder-Free and Free-Standing Cobalt Sulfide@Carbon Nanotube Cathode Material for Aluminum-Ion Batteries. <i>Advanced Materials</i> , 2018 , 30, 1703824	24	199
138	Preparation of nitrogen- and phosphorous co-doped carbon microspheres and their superior performance as anode in sodium-ion batteries. <i>Carbon</i> , 2016 , 99, 556-563	10.4	189

137	A Flexible Quasi-Solid-State Asymmetric Electrochemical Capacitor Based on Hierarchical Porous V ₂ O ₅ Nanosheets on Carbon Nanofibers. <i>Advanced Energy Materials</i> , 2015 , 5, 1500753	21.8	178
136	Electronic and Defective Engineering of Electrospun CaMnO ₃ Nanotubes for Enhanced Oxygen Electrocatalysis in Rechargeable Zinc-Air Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1800612	21.8	171
135	Cobalt Sulfide Nanosheet/Graphene/Carbon Nanotube Nanocomposites as Flexible Electrodes for Hydrogen Evolution. <i>Angewandte Chemie</i> , 2014 , 126, 12802-12807	3.6	149
134	Electrospun hollow nanofibers for advanced secondary batteries. <i>Nano Energy</i> , 2017 , 39, 111-139	17.1	147
133	Recent development in graphitic carbon nitride based photocatalysis for hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2019 , 257, 117855	21.8	144
132	Large-scale synthesis of highly uniform Fe _{1-x} S nanostructures as a high-rate anode for sodium ion batteries. <i>Nano Energy</i> , 2017 , 37, 81-89	17.1	137
131	Cobalt sulfide nanosheet/graphene/carbon nanotube nanocomposites as flexible electrodes for hydrogen evolution. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12594-9	16.4	131
130	Polymer-based composites by electrospinning: Preparation & functionalization with nanocarbons. <i>Progress in Polymer Science</i> , 2018 , 86, 40-84	29.6	128
129	Cobalt nanoparticles encapsulated in carbon nanotube-grafted nitrogen and sulfur co-doped multichannel carbon fibers as efficient bifunctional oxygen electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 4949-4961	13	101
128	Thin MoS ₂ nanosheets grafted MOFs-derived porous Co ₉ S ₈ flakes grown on electrospun carbon nanofibers as self-supported bifunctional catalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23898-23908	13	98
127	Controlled Growth of CuS on Electrospun Carbon Nanofibers as an Efficient Counter Electrode for Quantum Dot-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 16526-16535	3.8	94
126	Monodispersed Ag nanoparticles loaded on the PVP-assisted synthetic Bi ₂ O ₂ CO ₃ microspheres with enhanced photocatalytic and supercapacitive performances. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7630	13	93
125	Single Nanoparticle to 3D Supercage: Framing for an Artificial Enzyme System. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13957-63	16.4	92
124	Design of 3-Dimensional Hierarchical Architectures of Carbon and Highly Active Transition Metals (Fe, Co, Ni) as Bifunctional Oxygen Catalysts for Hybrid Lithium-Air Batteries. <i>Chemistry of Materials</i> , 2017 , 29, 1665-1675	9.6	91
123	Engineering Co ₉ S ₈ /WS ₂ array films as bifunctional electrocatalysts for efficient water splitting. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23361-23368	13	88
122	Polyester@MXene nanofibers-based yarn electrodes. <i>Journal of Power Sources</i> , 2018 , 396, 683-690	8.9	88
121	Critical insight: challenges and requirements of fibre electrodes for wearable electrochemical energy storage. <i>Energy and Environmental Science</i> , 2019 , 12, 2148-2160	35.4	85
120	Hollow nanospheres constructed by CoS ₂ nanosheets with a nitrogen-doped-carbon coating for energy-storage and photocatalysis. <i>ChemSusChem</i> , 2014 , 7, 2212-20	8.3	84

119	Hierarchical catalytic electrodes of cobalt-embedded carbon nanotube/carbon flakes arrays for flexible solid-state zinc-air batteries. <i>Carbon</i> , 2019 , 142, 379-387	10.4	82
118	Controlled synthesis of BiOCl hierarchical self-assemblies with highly efficient photocatalytic properties. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 258-68	4.5	81
117	Restriction of Molecular Rotors in Ultrathin Two-Dimensional Covalent Organic Framework Nanosheets for Sensing Signal Amplification. <i>Chemistry of Materials</i> , 2019 , 31, 146-160	9.6	75
116	Size- and shape-controlled synthesis of ZnIn ₂ S ₄ nanocrystals with high photocatalytic performance. <i>CrystEngComm</i> , 2013 , 15, 1922	3.3	74
115	Facile solution-controlled growth of CuInS ₂ thin films on FTO and TiO ₂ /FTO glass substrates for photovoltaic application. <i>Journal of Alloys and Compounds</i> , 2009 , 481, 786-791	5.7	74
114	Polypyrrole nanorod networks/carbon nanoparticles composite counter electrodes for high-efficiency dye-sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 397-404	9.5	73
113	Dual-Sites Coordination Engineering of Single Atom Catalysts for Flexible Metal-Air Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2101242	21.8	71
112	Facile fabrication of polypyrrole/functionalized multiwalled carbon nanotubes composite as counter electrodes in low-cost dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 223, 97-102	4.7	69
111	Facile solution deposition of ZnIn ₂ S ₄ nanosheet films on FTO substrates for photoelectric application. <i>Nanoscale</i> , 2011 , 3, 2602-8	7.7	69
110	Electrospun conductive polyaniline/poly(lactic acid) composite nanofibers as counter electrodes for rigid and flexible dye-sensitized solar cells. <i>RSC Advances</i> , 2012 , 2, 652-657	3.7	68
109	Facile approach to prepare porous CaSnO ₃ nanotubes via a single spinneret electrospinning technique as anodes for lithium ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 6005-12	9.5	65
108	Quasi-solid-state dye-sensitized solar cells with polymer gel electrolyte and triphenylamine-based organic dyes. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 944-50	9.5	65
107	Electrospun Inorganic Nanofibers for Oxygen Electrocatalysis: Design, Fabrication, and Progress. <i>Advanced Energy Materials</i> , 2020 , 10, 1902115	21.8	60
106	Design and synthesis of porous channel-rich carbon nanofibers for self-standing oxygen reduction reaction and hydrogen evolution reaction bifunctional catalysts in alkaline medium. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7507-7515	13	59
105	Highly improved rechargeable stability for lithium/silver vanadium oxide battery induced via electrospinning technique. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 852-859	13	59
104	Unveiling Polyindole: Freestanding As-electrospun Polyindole Nanofibers and Polyindole/Carbon Nanotubes Composites as Enhanced Electrodes for Flexible All-solid-state Supercapacitors. <i>Electrochimica Acta</i> , 2017 , 247, 400-409	6.7	59
103	Which is a superior material for scattering layer in dye-sensitized solar cells—Electrospun rice grain- or nanofiber-shaped TiO ₂ ? <i>Journal of Materials Chemistry</i> , 2011 , 21, 12210		59
102	Dye-sensitized solar cells made from BaTiO ₃ -coated TiO ₂ nanoporous electrodes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 197, 260-265	4.7	56

101	Mesoporous SnO ₂ agglomerates with hierarchical structures as an efficient dual-functional material for dye-sensitized solar cells. <i>Chemical Communications</i> , 2012 , 48, 10865-7	5.8	54
100	All-Solid-State Dye-Sensitized Solar Cells with Alkyloxy-Imidazolium Iodide Ionic Polymer/SiO ₂ Nanocomposite Electrolyte and Triphenylamine-Based Organic Dyes. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 6814-6821	3.8	52
99	Sub-2 nm Thiophosphate Nanosheets with Heteroatom Doping for Enhanced Oxygen Electrocatalysis. <i>Advanced Functional Materials</i> , 2021 , 31, 2100618	15.6	52
98	One-dimensional nanomaterials toward electrochemical sodium-ion storage applications via electrospinning. <i>Energy Storage Materials</i> , 2020 , 25, 443-476	19.4	52
97	In situ synthesis of platinum/polyaniline composite counter electrodes for flexible dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5308		47
96	Neural interfaces engineered via micro- and nanostructured coatings. <i>Nano Today</i> , 2017 , 14, 59-83	17.9	46
95	Self-Supporting Three-Dimensional ZnIn ₂ S ₄ /PVDF/Poly(MMA-co-MAA) Composite Mats with Hierarchical Nanostructures for High Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 13849-13857	3.8	45
94	A bottom-up approach to design wearable and stretchable smart fibers with organic vapor sensing behaviors and energy storage properties. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 13633-13643	13	44
93	Synthesis of AgInS ₂ nanocrystal ink and its photoelectrical application. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 8523-9	3.6	44
92	Shape-controlled synthesis and optical characterization of chalcopyrite CuInS ₂ microstructures. <i>Journal of Crystal Growth</i> , 2007 , 305, 99-103	1.6	44
91	3D Cu-doped CoS porous nanosheet films as superior counterelectrodes for quantum dot-sensitized solar cells. <i>Nano Energy</i> , 2015 , 16, 163-172	17.1	42
90	Ni _{1-x} Pt _x (x=0.08) films as the photocathode of dye-sensitized solar cells with high efficiency. <i>Nano Research</i> , 2009 , 2, 484-492	10	42
89	Influence of acceptor moiety in triphenylamine-based dyes on the properties of dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2008 , 183, 792-798	8.9	41
88	Electrospun eggroll-like CaSnO ₃ nanotubes with high lithium storage performance. <i>Nanoscale</i> , 2013 , 5, 134-8	7.7	40
87	Triphenylamine-based organic dye containing the diphenylvinyl and rhodanine-3-acetic acid moieties for efficient dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2009 , 187, 620-626	8.9	38
86	Electronic Modulation Caused by Interfacial Ni-O-M (M=Ru, Ir, Pd) Bonding for Accelerating Hydrogen Evolution Kinetics. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22276-22282	16.4	37
85	Ni ₃ ZnCo _{0.7} nanodots decorating nitrogen-doped carbon nanotube arrays as a self-standing bifunctional electrocatalyst for water splitting. <i>Carbon</i> , 2019 , 148, 496-503	10.4	36
84	Controlled synthesis of porous spinel cobaltite core-shell microspheres as high-performance catalysts for rechargeable LiO ₂ batteries. <i>Nano Energy</i> , 2015 , 13, 718-726	17.1	36

83	Metal-organic framework derived Co@NC/CNT hybrid as a multifunctional electrocatalyst for hydrogen and oxygen evolution reaction and oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 32054-32065	6.7	36
82	Controlled synthesis and photoelectric application of ZnIn ₂ S ₄ nanosheet/TiO ₂ nanoparticle composite films. <i>Journal of Materials Chemistry</i> , 2011 , 21, 15718		35
81	Surface Self-Assembly of Functional Electroactive Nanofibers on Textile Yarns as a Facile Approach toward Super Flexible Energy Storage. <i>ACS Applied Energy Materials</i> , 2018 , 1, 377-386	6.1	34
80	Synthesis, characterization and electrochemical properties of a compact titanium dioxide layer. <i>Solid State Sciences</i> , 2009 , 11, 433-438	3.4	33
79	Acceptor-Doping Accelerated Charge Separation in Cu ₂ O Photocathode for Photoelectrochemical Water Splitting: Theoretical and Experimental Studies. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18463-18467	16.4	31
78	Facile Synthesis of FePS Nanosheets@MXene Composite as a High-Performance Anode Material for Sodium Storage. <i>Nano-Micro Letters</i> , 2020 , 12, 54	19.5	31
77	Zn ₂ SiO ₄ urchin-like microspheres: controlled synthesis and application in lithium-ion batteries. <i>CrystEngComm</i> , 2014 , 16, 6195-6202	3.3	31
76	Carbon-Based Alloy-Type Composite Anode Materials toward Sodium-Ion Batteries. <i>Small</i> , 2019 , 15, e1900628	10.628	30
75	Synthesis of porous amorphous FePO ₄ nanotubes and their lithium storage properties. <i>Chemistry - A European Journal</i> , 2013 , 19, 1568-72	4.8	30
74	Solvothermal synthesis and optical characterization of chalcopyrite CuInSe ₂ microspheres. <i>Materials Chemistry and Physics</i> , 2007 , 106, 296-300	4.4	30
73	Fabrication of MgTiO ₃ nanofibers by electrospinning and their photocatalytic water splitting activity. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 25882-25890	6.7	29
72	TiO ₂ derived by titanate route from electrospun nanostructures for high-performance dye-sensitized solar cells. <i>Langmuir</i> , 2012 , 28, 6202-6	4	29
71	In Situ Fabrication of Branched TiO ₂ /C Nanofibers as Binder-Free and Free-Standing Anodes for High-Performance Sodium-Ion Batteries. <i>Small</i> , 2019 , 15, e1901584	11	28
70	Interfacial electronic coupling of ultrathin transition-metal hydroxide nanosheets with layered MXenes as a new prototype for platinum-like hydrogen evolution. <i>Energy and Environmental Science</i> , 2021 , 14, 6419-6427	35.4	28
69	Carbon buffered-transition metal oxide nanoparticle/graphene hybrid nanosheets as high-performance anode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6901-6907	13	27
68	Polypyrrole-coated hierarchical porous composites nanoarchitectures for advanced solid-state flexible hybrid devices. <i>Nano Energy</i> , 2016 , 19, 307-317	17.1	26
67	A General Strategy toward Carbon Cloth-Based Hierarchical Films Constructed by Porous Nanosheets for Superior Photocatalytic Activity. <i>Small</i> , 2015 , 11, 2429-36	11	25
66	Enhanced Charge Carrier Transport and Device Performance Through Dual-Cesium Doping in Mixed-Cation Perovskite Solar Cells with Near Unity Free Carrier Ratios. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2358-2368	9.5	24

65	Self-supported N-doped NiSe ₂ hierarchical porous nanoflake arrays for efficient oxygen electrocatalysis in flexible zinc-air batteries. <i>Chemical Engineering Journal</i> , 2020 , 401, 126088	14.7	24
64	Facile synthesis of highly stable heterogeneous catalysts by entrapping metal nanoparticles within mesoporous carbon. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5847	13	24
63	Electrospun hierarchical CaCo ₂ O ₄ nanofibers with excellent lithium storage properties. <i>Chemistry - A European Journal</i> , 2013 , 19, 14823-30	4.8	23
62	High-surface-area microporous carbon as the efficient photocathode of dye-sensitized solar cells. <i>Solid State Sciences</i> , 2009 , 11, 2051-2055	3.4	23
61	Electrospun NiCo ₂ O ₄ nanotubes as anodes for Li- and Na-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019 , 777, 1286-1293	5.7	23
60	Synthesis of porous, hollow metal MCO ₃ (M=Mn, Co, Ca) microstructures and adsorption properties thereof. <i>Chemistry - A European Journal</i> , 2014 , 20, 421-5	4.8	22
59	Platinum/polyaniline transparent counter electrodes for quasi-solid dye-sensitized solar cells with electrospun PVDF-HFP/TiO ₂ membrane electrolyte. <i>Electrochimica Acta</i> , 2013 , 105, 447-454	6.7	22
58	Single-layer carbon-coated FeCo alloy nanoparticles embedded in single-walled carbon nanotubes for high oxygen electrocatalysis. <i>Chemical Communications</i> , 2020 , 56, 6842-6845	5.8	21
57	Controlled synthesis of unique CoS nanostructures with carbon coating as advanced electrode for solid-state asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019 , 540, 389-397	9.3	20
56	Dual-Active Sites Engineering of N-Doped Hollow Carbon Nanocubes Confining Bimetal Alloys as Bifunctional Oxygen Electrocatalysts for Flexible Metal-Air Batteries. <i>Small</i> , 2021 , 17, e2007239	11	20
55	In Situ Fabrication of Hierarchically Branched TiO Nanostructures: Enhanced Performance in Photocatalytic H Evolution and Li-Ion Batteries. <i>Small</i> , 2017 , 13, 1702357	11	19
54	Clusters Induced Electron Redistribution to Tune Oxygen Reduction Activity of Transition Metal Single-Atom for Metal-Air Batteries.. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	18
53	Electrospun CuFe ₂ O ₄ nanotubes as anodes for high-performance lithium-ion batteries. <i>Journal of Energy Chemistry</i> , 2014 , 23, 301-307	12	17
52	Hierarchical TiCT MXene/Carbon Nanotubes for Low Overpotential and Long-Life Li-CO Batteries. <i>ACS Nano</i> , 2021 , 15, 8407-8417	16.7	17
51	In-situ formation of Co _{1-x} S hollow polyhedrons anchored on multichannel carbon nanofibers as self-supporting anode for lithium/sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 421, 127755	14.7	17
50	Solution synthesis of CdIn ₂ S ₄ nanocrystals and their photoelectrical application. <i>Materials Letters</i> , 2012 , 79, 216-218	3.3	16
49	Preparation of polyaniline-coated AgVO ₃ nanowires and their application in lithium-ion battery. <i>Materials Letters</i> , 2013 , 110, 168-171	3.3	16
48	Lattice-Matching Formed Mesoporous Transition Metal Oxide Heterostructures Advance Water Splitting by Active Fe ₂ O ₃ /Cu Bridges. <i>Advanced Energy Materials</i> , 2020 , 10, 200067	21.8	16

47	An inexpensive and efficient pyridine-based additive for the electrolyte of dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2009 , 193, 878-884	8.9	15
46	Few-layer FePS ₃ decorated with thin MoS ₂ nanosheets for efficient hydrogen evolution reaction in alkaline and acidic media. <i>Applied Surface Science</i> , 2020 , 525, 146623	6.7	15
45	Hollow Spheres: MS ₂ (M = Co and Ni) Hollow Spheres with Tunable Interiors for High-Performance Supercapacitors and Photovoltaics (Adv. Funct. Mater. 15/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 2154-2154	15.6	14
44	Solvothermal-induced conversion of one-dimensional multilayer nanotubes to two-dimensional hydrophilic VO _x nanosheets: synthesis and water treatment application. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 10389-94	9.5	14
43	Size-controlled chalcopyrite CuInS ₂ nanocrystals: One-pot synthesis and optical characterization. <i>Science China Chemistry</i> , 2012 , 55, 1236-1241	7.9	14
42	Controllable Design of MoS Nanosheets Grown on Nitrogen-Doped Branched TiO ₂ /C Nanofibers: Toward Enhanced Sodium Storage Performance Induced by Pseudocapacitance Behavior. <i>Small</i> , 2020 , 16, e1904589	11	13
41	Electronic Modulation Caused by Interfacial Ni-O-M (M=Ru, Ir, Pd) Bonding for Accelerating Hydrogen Evolution Kinetics. <i>Angewandte Chemie</i> , 2021 , 133, 22450-22456	3.6	12
40	Copper vanadates/polyaniline composites as anode materials for lithium-ion batteries. <i>RSC Advances</i> , 2015 , 5, 20692-20698	3.7	11
39	Deflagration synthesis of nitrogen/fluorine co-doped hollow carbon nanoparticles with excellent oxygen reduction performance. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1307-1313	6.8	11
38	Fabrication of hierarchically one-dimensional ZnxCd _{1-x} S/NiTiO ₃ nanostructures and their enhanced photocatalytic water splitting activity. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 30974-30985	6.7	10
37	Multi-dimensional hierarchical CoS ₂ @MXene as trifunctional electrocatalysts for zinc-air batteries and overall water splitting. <i>Science China Materials</i> , 2021 , 64, 1127-1138	7.1	10
36	Facile synthesis of three-dimensional spherical Ni(OH) ₂ /NiCo ₂ O ₄ heterojunctions as efficient bifunctional electrocatalysts for water splitting. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 30601-30610	6.7	10
35	Immobilization of plant polyphenol stabilized-Sn nanoparticles onto carbon nanotubes and their application in rechargeable lithium ion batteries. <i>RSC Advances</i> , 2013 , 3, 5310	3.7	9
34	Thioglycolic Acid-assisted Solvothermal Synthesis of CuInS ₂ with Controllable Microstructures. <i>Chemistry Letters</i> , 2006 , 35, 1050-1051	1.7	8
33	MoS ₂ Nanosheets Functionalized Multichannel Hollow Mo ₂ N/Carbon Nanofibers as a Robust Bifunctional Catalyst for Water Electrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 14179-14189	8.3	8
32	Electrospinning techniques for Li, Na and K-ion batteries. <i>Current Opinion in Electrochemistry</i> , 2019 , 18, 106-112	7.2	8
31	Emerging 2D-Layered MnPS ₃ /rGO composite as a superior anode for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020 , 831, 154775	5.7	7
30	Heterointerface Engineering of Hierarchically Assembling Layered Double Hydroxides on Cobalt Selenide as Efficient Trifunctional Electrocatalysts for Water Splitting and Zinc-Air Battery.. <i>Advanced Science</i> , 2022 , e2104522	13.6	7

29	CaV6O16BH2O nanorods as cathode for high-performance aqueous zinc-ion battery. <i>Materials Letters</i> , 2021 , 287, 129285	3.3	7
28	Controlled synthesis of porous CaCo2O4 nanoflowers and their multifunctional applications for lithium ion batteries and oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2020 , 812, 152099	5.7	7
27	One-dimensional Mg _x Ti _y O _{x+2y} nanostructures: General synthesis and enhanced photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2018 , 225, 332-339	21.8	7
26	All-Climate Aluminum-Ion Batteries Based on Binder-Free MOF-Derived FeS@C/CNT Cathode. <i>Nano-Micro Letters</i> , 2021 , 13, 159	19.5	6
25	Simple preparation of Si/N-doped carbon anodes from photovoltaic industry waste for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022 , 890, 161792	5.7	6
24	Rational design of few-layer FePS3 nanosheets@N-doped carbon composites as anodes for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2022 , 427, 130882	14.7	6
23	Plasma-Treated Ultrathin Ternary FePSe Nanosheets as a Bifunctional Electrocatalyst for Efficient Zinc-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29393-29403	9.5	5
22	In situ construction of FeNi ₂ Se ₄ -FeNi LDH heterointerfaces with electron redistribution for enhanced overall water splitting. <i>Inorganic Chemistry Frontiers</i> ,	6.8	5
21	Molybdenum Carbide-Embedded Multichannel Hollow Carbon Nanofibers as Bifunctional Catalysts for Water Splitting. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 1957-1962	4.5	4
20	Anchoring stable FeS ₂ nanoparticles on MXene nanosheets via interface engineering for efficient water splitting. <i>Inorganic Chemistry Frontiers</i> ,	6.8	4
19	X-ray Studies of High-Performance Lithium-Ion Storage in Keplerate-Type Polyoxometalate Anodes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40296-40309	9.5	4
18	Hierarchical FeC/MnO ₂ composite with in-situ grown CNTs as an advanced trifunctional catalyst for water splitting and Metal-Air batteries. <i>Ceramics International</i> , 2021 , 47, 18424-18432	5.1	4
17	Hierarchical Fe C-Mo C-Carbon Hybrid Electrocatalysts Promoted through a Strong Charge-Transfer Effect. <i>ChemSusChem</i> , 2020 , 13, 5280-5287	8.3	3
16	FeNi nanoparticles encapsulated in Nitrogen-doped carbon frame for efficient and stable Al-air batteries. <i>Materials Letters</i> , 2021 , 296, 129890	3.3	3
15	In situ construction of thiol-silver interface for selectively electrocatalytic CO ₂ reduction. <i>Nano Research</i> , 2022 , 15, 3283-3289	10	3
14	Electrospun Metal Oxides for Energy Applications. <i>Green Energy and Technology</i> , 2012 , 97-108	0.6	2
13	Recent Progress of Electrospun Nanofibers for Zinc-Air Batteries. <i>Advanced Fiber Materials</i> , ¹	10.9	2
12	Stable bismuth phosphosulfide nanoparticle encapsulation into hollow multi-channel carbon nanofibers toward high performance sodium storage. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 17336-17343	13	2

11	Hydrothermal synthesis of NaCa ₂ Si ₃ O ₈ (OH) nanowires and its application in Fe(III) ions adsorption. <i>Chemical Physics Letters</i> , 2018 , 706, 461-464	2.5	2
10	Facile synthesis of self-organized single crystalline TiO ₂ nanotubes for photocatalytic hydrogen evolution. <i>Solid State Sciences</i> , 2021 , 117, 106627	3.4	2
9	Electrospinning of Nanofibers for Battery Applications 2020 ,		1
8	Clusters Induced Electron Redistribution to Tune Oxygen Reduction Activity of Transition Metal Single-Atom for Metal-Air Batteries. <i>Angewandte Chemie</i> , e202116068	3.6	1
7	Interfacial coupling porous cobalt nitride nanosheets array with N-doped carbon as robust trifunctional electrocatalysts for water splitting and Zn-air battery. <i>Chemical Engineering Journal</i> , 2022 , 437, 135281	14.7	1
6	Sodium-Ion Batteries: In Situ Fabrication of Branched TiO ₂ /C Nanofibers as Binder-Free and Free-Standing Anodes for High-Performance Sodium-Ion Batteries (Small 30/2019). <i>Small</i> , 2019 , 15, 1970158	11.58	0
5	Superior thermal-charging supercapacitors with bio-inspired electrodes of ultra-high surface areas.. <i>IScience</i> , 2022 , 25, 104113	6.1	0
4	Ligand and temperature effects of porous palladium nanoparticle ensembles with grain boundaries for highly efficient electrocatalytic CO ₂ reduction. <i>Journal of Materials Science</i> , 2022 , 57, 7276	4.3	0
3	In Response: Applications of carbon-based nanomaterials for water treatment--A business perspective. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 957-8	3.8	
2	Electrospinning of Nanofibers for Zn-Air Battery 2020 , 121-139		
1	Electrospinning of Nanofibers for Li-Air Battery 2020 , 141-156		