

Yongjing Zou

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152
papers

4,314
citations

35
h-index

60
g-index

158
ext. papers

5,428
ext. citations

5.9
avg, IF

5.8
L-index

#	Paper	IF	Citations
152	A mediatorless microbial fuel cell using polypyrrole coated carbon nanotubes composite as anode material. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 4856-4862	6.7	257
151	Glucose biosensor based on electrodeposition of platinum nanoparticles onto carbon nanotubes and immobilizing enzyme with chitosan-SiO(2) sol-gel. <i>Biosensors and Bioelectronics</i> , 2008 , 23, 1010-6	11.8	218
150	Direct electrochemistry and enhanced electrocatalysis of horseradish peroxidase based on flowerlike ZnO@gold nanoparticle-Nafion nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2009 , 136, 158-162	8.5	158
149	Direct electron transfer of cytochrome c and its biosensor based on gold nanoparticles/room temperature ionic liquid/carbon nanotubes composite film. <i>Electrochemistry Communications</i> , 2008 , 10, 38-41	5.1	153
148	Light-dependent electrogenic activity of cyanobacteria. <i>PLoS ONE</i> , 2010 , 5, e10821	3.7	151
147	Photosynthetic microbial fuel cells with positive light response. <i>Biotechnology and Bioengineering</i> , 2009 , 104, 939-46	4.9	137
146	Simple synthesis of core-shell structure of Co ₃ O ₄ @ carbon-nanotube-incorporated nitrogen-doped carbon for high-performance supercapacitor. <i>Electrochimica Acta</i> , 2018 , 261, 537-547	6.7	133
145	Biosensor based on polyaniline-Prussian Blue/multi-walled carbon nanotubes hybrid composites. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 2669-74	11.8	115
144	Direct electrochemistry and electrocatalysis of cytochrome c immobilized on gold nanoparticles-chitosan-carbon nanotubes-modified electrode. <i>Talanta</i> , 2007 , 74, 206-11	6.2	91
143	CaCl ₂ ·6H ₂ O/Expanded graphite composite as form-stable phase change materials for thermal energy storage. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 115, 111-117	4.1	87
142	One-pot synthesis of ternary polypyrrole/Prussian-blue/graphene-oxide hybrid composite as electrode material for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2016 , 188, 126-134	6.7	86
141	Ammonia sensor based on polypyrrole/graphene nanocomposite decorated with titania nanoparticles. <i>Ceramics International</i> , 2015 , 41, 6432-6438	5.1	85
140	A room-temperature hydrogen sensor based on Pd nanoparticles doped TiO ₂ nanotubes. <i>Ceramics International</i> , 2014 , 40, 16343-16348	5.1	81
139	Simple synthesis of graphene-doped flower-like cobalt/nickel/tungsten/boron oxides with self-oxidation for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9907-9913	13	79
138	Synthesis of three-dimensional graphene aerogel encapsulated n-octadecane for enhancing phase-change behavior and thermal conductivity. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 15191-15199	13	77
137	Prussian Blue electrodeposited on MWNTs-PANI hybrid composites for H ₂ O ₂ detection. <i>Talanta</i> , 2007 , 72, 437-42	6.2	75
136	Binary Co/Ni oxide nanoparticle-loaded hierarchical graphitic porous carbon for high-performance supercapacitors. <i>Journal of Materials Science and Technology</i> , 2020 , 37, 135-142	9.1	75

135	Nanostructured polypyrrole-coated anode for sun-powered microbial fuel cells. <i>Bioelectrochemistry</i> , 2010 , 79, 50-6	5.6	74
134	Doping composite of polyaniline and reduced graphene oxide with palladium nanoparticles for room-temperature hydrogen-gas sensing. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 5396-5404	6.7	71
133	Broccoli-like porous carbon nitride from ZIF-8 and melamine for high performance supercapacitors. <i>Applied Surface Science</i> , 2018 , 440, 47-54	6.7	70
132	Role of the photosynthetic electron transfer chain in electrogenic activity of cyanobacteria. <i>Applied Microbiology and Biotechnology</i> , 2011 , 91, 377-85	5.7	66
131	Graphene-oxide-induced lamellar structures used to fabricate novel composite solid-solid phase change materials for thermal energy storage. <i>Chemical Engineering Journal</i> , 2019 , 362, 909-920	14.7	54
130	Polydopamine-assisted formation of Co ₃ O ₄ -nanocube-anchored reduced graphene oxide composite for high-performance supercapacitors. <i>Ceramics International</i> , 2019 , 45, 13894-13902	5.1	53
129	Amperometric glucose biosensor prepared with biocompatible material and carbon nanotube by layer-by-layer self-assembly technique. <i>Electrochimica Acta</i> , 2008 , 53, 4089-4095	6.7	49
128	Chitosan-mediated CoTeB nanoparticles for catalyzing the hydrolysis of sodium borohydride. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 4912-4921	6.7	48
127	Significantly improved dehydrogenation of LiAlH ₄ destabilized by K ₂ TiF ₆ . <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 3261-3267	6.7	48
126	Solvothermal synthesis and photocatalytic properties of ZnO micro/nanostructures. <i>Ceramics International</i> , 2019 , 45, 1724-1729	5.1	48
125	Hydrogen generation by hydrolysis of alkaline sodium borohydride using a cobalt/nickel/boron/graphene nanocomposite treated with sodium hydroxide. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 4111-4118	6.7	46
124	Highly active nanoporous Co ₃ B ₂ O ₇ framework for hydrolysis of NaBH ₄ . <i>Ceramics International</i> , 2015 , 41, 899-905	5.1	46
123	Spacing graphene and Ni-Co layered double hydroxides with polypyrrole for high-performance supercapacitors. <i>Journal of Materials Science and Technology</i> , 2020 , 55, 190-197	9.1	46
122	Facile Green Route to Ni/Co Oxide Nanoparticle Embedded 3D Graphitic Carbon Nanosheets for High Performance Hybrid Supercapacitor Devices. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3389-3399	6.1	44
121	Core-shell structured CuCo ₂ S ₄ @CoMoO ₄ nanorods for advanced electrode materials. <i>Journal of Alloys and Compounds</i> , 2020 , 844, 156133	5.7	43
120	Low-temperature synthesis of sea urchin-like Co-Ni oxide on graphene oxide for supercapacitor electrodes. <i>Journal of Materials Science and Technology</i> , 2020 , 55, 223-230	9.1	39
119	Cobalt/nickel/boron nanocomposite with improved catalytic performance for the hydrolysis of ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 13423-13430	6.7	35
118	Inducement of nanoscale CuBTC on nanocomposite of PPy/GO and its performance in ammonia sensing. <i>Materials Research Bulletin</i> , 2018 , 99, 152-160	5.1	35

117	Encapsulation of hollow Cu ₂ O nanocubes with Co ₃ O ₄ on porous carbon for energy-storage devices. <i>Journal of Materials Science and Technology</i> , 2020 , 55, 182-189	9.1	34
116	Encapsulated cobalt nanoparticles as a recoverable catalyst for the hydrolysis of sodium borohydride. <i>Energy Storage Materials</i> , 2020 , 27, 187-197	19.4	34
115	Bienzymatic glucose biosensor based on direct electrochemistry of cytochrome c on gold nanoparticles/polyaniline nanospheres composite. <i>Talanta</i> , 2013 , 110, 96-100	6.2	34
114	Light metal borohydrides/amides combined hydrogen storage systems: composition, structure and properties. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 25112-25130	13	34
113	Amperometric Glucose Biosensor Based on Ultrafine Platinum Nanoparticles. <i>Analytical Letters</i> , 2007 , 40, 2116-2127	2.2	32
112	Anchoring sea urchin-like cobalt-nickel carbonate hydroxide on 3D carbon sponge for electrochemical energy storage. <i>Journal of Alloys and Compounds</i> , 2020 , 845, 156024	5.7	31
111	Synthesis of N-doped hierarchical carbon spheres for CO ₂ capture and supercapacitors. <i>RSC Advances</i> , 2016 , 6, 1422-1427	3.7	31
110	High-performance supercapacitor based on V ₂ O ₅ /carbon nanotubes-super activated carbon ternary composite. <i>Ceramics International</i> , 2016 , 42, 12129-12135	5.1	30
109	Ruthenium supported on nitrogen-doped porous carbon for catalytic hydrogen generation from NH ₃ BH ₃ hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 1774-1781	6.7	30
108	Solvothermal synthesis of cobalt nickel layered double hydroxides with a three-dimensional nano-petal structure for high-performance supercapacitors. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 337-346	5.8	29
107	Three-Dimensional Self-Supporting TiC with MoS and CuO Nanocrystals for High-Performance Flexible Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 22664-22675	9.5	26
106	Gold nanoparticles-based multifunctional nanoconjugates for highly sensitive and enzyme-free detection of E.coli K12. <i>Talanta</i> , 2019 , 193, 15-22	6.2	26
105	Pd-doped TiO ₂ @polypyrrole core-shell composites as hydrogen-sensing materials. <i>Ceramics International</i> , 2016 , 42, 8257-8262	5.1	25
104	Facile synthesis of hierarchical CoMoDB porous microspheres for high-performance supercapacitors. <i>Ceramics International</i> , 2020 , 46, 1448-1456	5.1	25
103	Facile synthesis of honeycomb-structured CoMB composite for high-performance supercapacitors. <i>Applied Surface Science</i> , 2018 , 460, 25-32	6.7	23
102	Preparation and thermophysical properties of a novel form-stable CaCl ₂ ·6H ₂ O/sepiolite composite phase change material for latent heat storage. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 131, 57-63	4.1	23
101	Ionic Liquids as Environmentally Benign Electrolytes for High-Performance Supercapacitors. <i>Global Challenges</i> , 2019 , 3, 1800023	4.3	23
100	Enhanced electrochemical performance of sandwich-structured polyaniline-wrapped silicon oxide/carbon nanotubes for lithium-ion batteries. <i>Applied Surface Science</i> , 2018 , 442, 204-212	6.7	22

99	Multielement Synergetic Effect of Boron Nitride and Multiwalled Carbon Nanotubes for the Fabrication of Novel Shape-Stabilized Phase-Change Composites with Enhanced Thermal Conductivity. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 41398-41409	9.5	22
98	Ternary CoNiB amorphous alloy with a superior electrochemical performance in a wide temperature range. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 3955-3960	6.7	21
97	Two dimensional holey carbon nanosheets assisted by calcium acetate for high performance supercapacitor. <i>Electrochimica Acta</i> , 2018 , 283, 904-913	6.7	21
96	Nitrogen-doped porous carbon derived from ginkgo leaves with remarkable supercapacitance performance. <i>Diamond and Related Materials</i> , 2019 , 98, 107475	3.5	21
95	Tunable hierarchical surfaces of CuO derived from metal-organic frameworks for non-enzymatic glucose sensing. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1512-1525	6.8	20
94	A pyridine vapor sensor based on metal-organic framework-modified quartz crystal microbalance. <i>Sensors and Actuators B: Chemical</i> , 2018 , 254, 872-877	8.5	20
93	Hydrogen generation of a novel Al NaMgH ₃ composite reaction with water. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 30535-30542	6.7	20
92	A novel Al BiOCl composite for hydrogen generation from water. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 6655-6662	6.7	20
91	Nitrogen-doped porous microsphere carbons derived from glucose and aminourea for high-performance supercapacitors. <i>Catalysis Today</i> , 2018 , 318, 150-156	5.3	18
90	Co ₃ O ₄ -doped two-dimensional carbon nanosheet as an electrode material for high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2020 , 335, 135611	6.7	18
89	Bacterial cellulose derived carbon as a support for catalytically active CoB alloy for hydrolysis of sodium borohydride. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 666-675	6.7	18
88	A novel sensor based on electrochemical polymerization of diglycolic acid for determination of acetaminophen. <i>Biosensors and Bioelectronics</i> , 2012 , 38, 27-30	11.8	17
87	Self-assembly synthesis of nitrogen-doped mesoporous carbons used as high-performance electrode materials in lithium-ion batteries and supercapacitors. <i>New Journal of Chemistry</i> , 2017 , 41, 12901-12909	3.6	16
86	A novel thermal-insulating film incorporating microencapsulated phase-change materials for temperature regulation and nano-TiO ₂ for UV-blocking. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 137, 210-218	6.4	16
85	Al _{0.3} AlH ₆ : A novel composite with high activity for hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 10392-10398	6.7	16
84	Cobalt-Nickel-Boron Supported over Polypyrrole-Derived Activated Carbon for Hydrolysis of Ammonia Borane. <i>Metals</i> , 2016 , 6, 154	2.3	16
83	Development of Nb-Ti-Co alloy for high-performance hydrogen separating membrane. <i>Journal of Membrane Science</i> , 2018 , 565, 411-424	9.6	16
82	Novel LiNi _{0.5} Mn _{1.5} O ₄ porous microellipsoids as high-performance cathode materials for lithium ion batteries. <i>Journal of Power Sources</i> , 2015 , 288, 353-358	8.9	15

81	Morphological control and electrochemical performance of NiCo ₂ O ₄ @NiCo layered double hydroxide as an electrode for supercapacitors. <i>Journal of Energy Storage</i> , 2021 , 41, 102862	7.8	15
80	Enhanced hydrogen storage properties of 2LiNH ₂ /MgH ₂ through the addition of Mg(BH ₄) ₂ . <i>Journal of Alloys and Compounds</i> , 2017 , 704, 44-50	5.7	14
79	Poly(N-vinyl-2-pyrrolidone)-stabilized ruthenium supported on bamboo leaf-derived porous carbon for NH ₃ BH ₃ hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 29255-29262	6.7	14
78	Biomass-Derived Porous Carbon Prepared from Egg White for High-performance Supercapacitor Electrode Materials. <i>ChemistrySelect</i> , 2019 , 4, 7358-7365	1.8	14
77	High-capacity graphene/sulfur/polyaniline ternary composite cathodes with stable cycling performance. <i>Electrochimica Acta</i> , 2015 , 174, 963-969	6.7	14
76	Effects of the Preparation Solvent on the Catalytic Properties of Cobalt-Boron Alloy for the Hydrolysis of Alkaline Sodium Borohydride. <i>Metals</i> , 2017 , 7, 365	2.3	14
75	Nitrogen-rich sandwich-like carbon nanosheets as anodes with superior lithium storage properties. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 225-232	6.8	14
74	Fabrication and characterization of a novel nanoporous Co-Ni-Mo-B catalyst for rapid hydrogen generation. <i>RSC Advances</i> , 2015 , 5, 163-166	3.7	13
73	Preparation and thermal performance of n-octadecane/expanded graphite composite phase-change materials for thermal management. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 131, 81-88	4.1	13
72	Design and characterizations of novel Nb-ZrCo hydrogen permeation alloys for hydrogen separation applications. <i>Materials Chemistry and Physics</i> , 2018 , 212, 282-291	4.4	12
71	Organic carbon gel assisted-synthesis of Li _{1.2} Mn _{0.6} Ni _{0.2} O ₂ for a high-performance cathode material for Li-ion batteries. <i>RSC Advances</i> , 2017 , 7, 1561-1566	3.7	11
70	Thermochemical studies of Rhodamine B and Rhodamine 6G by modulated differential scanning calorimetry and thermogravimetric analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 123, 1614-1618	4.1	11
69	Improved Dehydrogenation Properties of 2LiNH ₂ -MgH ₂ by Doping with Li ₃ AlH ₆ . <i>Metals</i> , 2017 , 7, 34	2.3	11
68	Improvement on Hydrogen Desorption Performance of Calcium Borohydride Diammoniate Doped with Transition Metal Chlorides. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 913-918	3.8	11
67	All-Solid High-Performance Asymmetric Supercapacitor Based on Yolk-Shell NiMoO ₄ /V ₂ CTx@Reduced Graphene Oxide and Hierarchical Bamboo-Shaped MoO ₂ @Fe ₂ O ₃ /N-Doped Carbon. <i>Energy & Fuels</i> , 2021 , 35, 10250-10261	4.1	11
66	Polypyrrole-wrapped NiCo ₂ S ₄ nanoneedles as an electrode material for supercapacitor applications. <i>Ceramics International</i> , 2021 , 47, 16562-16569	5.1	11
65	Li _{1.2} Mn _{0.6} Ni _{0.2} O ₂ with 3D porous rod-like hierarchical micro/nanostructure for high-performance cathode material. <i>Journal of Alloys and Compounds</i> , 2019 , 790, 863-870	5.7	10
64	Heat capacities and thermodynamic properties of M(HBTC)(4,4'-bipyridine)BDMF (M = Ni and Co). <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 110, 949-954	4.1	10

63	Voltammetric Determination of L-Dopa Using a Carbon Nanotubes-Nafion Modified Glassy Carbon Electrode. <i>Analytical Letters</i> , 2006 , 39, 2569-2579	2.2	10
62	Preparation and optical properties of three-dimensional navel-like Bi ₂ WO ₆ hierarchical microspheres. <i>Chinese Chemical Letters</i> , 2019 , 30, 783-786	8.1	10
61	Electrospinning synthesis of NiCo ₂ O ₄ embedded N-doped carbon for high-performance supercapacitors. <i>Journal of Energy Storage</i> , 2021 , 39, 102665	7.8	10
60	Guanine-Derived Nitrogen-Doped Ordered Mesoporous Carbons for Lithium-Ion Battery Anodes. <i>ChemistrySelect</i> , 2017 , 2, 10076-10081	1.8	9
59	Enhancement of the electrochemical properties of rare earth-based alloy by doping with CoZnB alloy. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 14173-14178	6.7	9
58	Hydrolytic dehydrogenation of NHBH catalyzed by ruthenium nanoparticles supported on magnesium-aluminum layered double-hydroxides.. <i>RSC Advances</i> , 2020 , 10, 9996-10005	3.7	9
57	Influence of Zr Addition on Structure and Performance of Rare Earth Mg-Based Alloys as Anodes in Ni/MH Battery. <i>Metals</i> , 2015 , 5, 565-577	2.3	9
56	Study of adsorption behaviors of meso-tetrakis (4-N-Methylpyridyl) porphine p-Toluenesulfonate at indium-oxide electrode/solution interface by in-situ internal reflection spectroscopy and cyclic voltammetry. <i>Thin Solid Films</i> , 2009 , 517, 2905-2911	2.2	9
55	High density anchoring of NiMoS ₄ on ultrathin Ti ₃ C ₂ MXene assisted by dopamine for supercapacitor electrode materials. <i>Journal of Alloys and Compounds</i> , 2022 , 891, 161945	5.7	9
54	Growth of copperBenzene-1,3,5-tricarboxylate on boron nitride nanotubes and application of the composite in methane sensing. <i>Applied Surface Science</i> , 2017 , 424, 39-44	6.7	8
53	Influence of boron introduction on structure and electrochemical hydrogen storage properties of TiV-based alloys. <i>Journal of Alloys and Compounds</i> , 2015 , 648, 320-325	5.7	8
52	Multiphase NbTiCo alloys: The significant impact of surface corrosion on the structural stability and hydrogen permeation behaviour. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 16684-16697	6.7	8
51	Rambutan-like hierarchically porous carbon microsphere as electrode material for high-performance supercapacitors 2021 , 3, 361-374		8
50	Three-dimensional polypyrrole-enhanced flower-like ZnCo ₂ S ₄ nanoclusters used as advanced electrodes for supercapacitors. <i>Journal of Energy Storage</i> , 2021 , 41, 102838	7.8	8
49	Controllable synthesis, characterization and photoluminescence properties of flower-like BaMoO ₄ hierarchical architectures. <i>CrystEngComm</i> , 2020 , 22, 3115-3121	3.3	7
48	Changes in microstructures and hydrogen permeability of Nb ₃₀ Hf ₃₅ Co ₃₅ eutectic alloy membranes by annealing. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 1401-1407	6.7	7
47	Direct Electron Transfer of Horseradish Peroxidase and Its Biosensor Based on Gold Nanoparticles/Chitosan/ITO Modified Electrode. <i>Analytical Letters</i> , 2008 , 41, 2224-2236	2.2	7
46	Enhanced thermal diffusivity and dehydrogenation of 2LiNH ₂ MgH ₂ by doping with super activated carbon. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 13975-13980	6.7	7

45	Significantly enhanced dehydrogenation properties of calcium borohydride combined with urea. <i>Dalton Transactions</i> , 2014 , 43, 15291-4	4.3	6
44	The Co-B Amorphous Alloy: A High Capacity Anode Material for an Alkaline Rechargeable Battery. <i>Metals</i> , 2016 , 6, 269	2.3	6
43	Design of hydrogen separatinwg Nb-Ti-Fe membranes with high permeability and low cost. <i>Separation and Purification Technology</i> , 2021 , 257, 117945	8.3	6
42	Electrospinning fabricated novel poly (ethylene glycol)/graphene oxide composite phase-change nano-fibers with good shape stability for thermal regulation. <i>Journal of Energy Storage</i> , 2021 , 40, 102687	7.8	6
41	Hydrogen generation from ammonia borane hydrolysis catalyzed by ruthenium nanoparticles supported on CoNi layered double oxides. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 2301-2312	5.8	6
40	Microencapsulation of phase change materials with carbon nanotubes reinforced shell for enhancement of thermal conductivity. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 182, 012015	0.4	5
39	Thermal decompositions and heat capacities study of a co-based zeolitic imidazolate framework. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 142, 891-898	4.1	5
38	Nafion-Modified Glassy Carbon Electrode for Trace Determination of Indium. <i>Analytical Letters</i> , 2005 , 38, 2045-2055	2.2	5
37	Template strategy to synthesize porous Mn-Co-S nanospheres electrode for high-performance supercapacitors. <i>Journal of Energy Storage</i> , 2021 , 44, 103267	7.8	5
36	Enhancement of the electrochemical performance of CoB amorphous alloy through the addition of A2B7-type alloy. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 16142-16147	6.7	5
35	A modified 'skeleton/skin' strategy for designing CoNiP nanosheets arrayed on graphene foam for on/off switching of NaBH hydrolysis.. <i>RSC Advances</i> , 2020 , 10, 26834-26842	3.7	4
34	Synthesis and optical properties of coil-ball-like CaMoO4 hierarchical architectures. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 3639-3646	2.1	4
33	Osmanthus fragrans-derived N-doped porous carbon for supercapacitor applications. <i>Journal of Energy Storage</i> , 2021 , 42, 103017	7.8	4
32	Growth of yolk-shell CuCo2S4 on NiO nanosheets for high-performance flexible supercapacitors. <i>Ceramics International</i> , 2021 , 48, 3636-3636	5.1	3
31	Phosphidated Ni-Mn layered double hydroxideBased electrode material with superior electrochemical performance for supercapacitors. <i>Journal of Energy Storage</i> , 2021 , 44, 103311	7.8	3
30	Nb35Hf32.5Co32.5 dual-phase alloy: Hydrogen permeability degradation due to the microstructural changes caused by annealing. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 15609-15623	6.7	3
29	Biomass homogeneity reinforced carbon aerogels derived functional phase-change materials for solar-thermal energy conversion and storage. <i>Energy and Environmental Materials</i> ,	13	3
28	Layer-by-layer self-assembled GO-MoS2Co3O4 three-dimensional conducting network for high-performance supercapacitors. <i>Journal of Energy Storage</i> , 2021 , 43, 103195	7.8	3

27	Synthesis of highly stable cobalt nanorods anchored on a Ti ₄ N ₃ T _x MXene composite for the hydrolysis of sodium borohydride. <i>Journal of Alloys and Compounds</i> , 2021 , 885, 160991	5.7	3
26	Synthesis of Porous Yolk-Shelled NiSe ₂ /MnSe Heterojunctions for High-Cycling-Stability Asymmetric Supercapacitor Electrode Materials. <i>ACS Applied Energy Materials</i> ,	6.1	3
25	Improved Dehydrogenation Performance of Li-B-N-H by Doped NiO. <i>Metals</i> , 2018 , 8, 258	2.3	2
24	Tuning the properties of hydrogenated graphene via interfacial contact of cubic BN (111). <i>Physica B: Condensed Matter</i> , 2019 , 571, 257-262	2.8	2
23	Construction of double cross-linking PEG/h-BN@GO polymeric energy-storage composites with high structural stability and excellent thermal performances. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 638, 128193	5.1	2
22	In Situ Synthesis of Ruthenium Supported on Ginkgo Leaf-Derived Porous Carbon for H ₂ Generation from NH ₃ BH ₃ Hydrolysis. <i>Recent Patents on Materials Science</i> , 2019 , 11, 65-70	0.3	2
21	Fe-Co-Ni/Nitrogen-Doped Mesoporous Carbon Materials for Electrochemical Oxygen Reduction. <i>ChemistrySelect</i> , 2018 , 3, 12960-12966	1.8	2
20	Ruthenium Supported on Cobalt-Embedded Porous Carbon with Hollow Structure as Efficient Catalysts toward Ammonia-Borane Hydrolysis for Hydrogen Production. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2100209	5.9	2
19	A novel Nb-based hydrogen purification membrane without catalytic palladium overlayer. <i>Journal of Alloys and Compounds</i> , 2021 , 875, 160103	5.7	2
18	A high activity AlBi@C for hydrogen generation from Al-water reaction. <i>Ceramics International</i> , 2021 , 47, 29064-29071	5.1	2
17	Catalytic effect of highly dispersed ultrafine Ru nanoparticles on a TiO ₂ -Ti ₃ C ₂ support: Hydrolysis of sodium borohydride for H ₂ generation. <i>Journal of Alloys and Compounds</i> , 2022 , 906, 164380	5.7	2
16	Synthesis of g-C ₃ N ₄ /Fe ₃ O ₄ /MoS ₂ composites for efficient hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2022 , 906, 164265	5.7	2
15	Self-supported CoMo sulfide in electrospun carbon nanofibers as electrocatalysts for hydrogen evolution reaction in alkaline medium. <i>Journal of Alloys and Compounds</i> , 2022 , 165094	5.7	2
14	Superior performance for lithium storage from an integrated composite anode consisting of SiO ₂ -based active material and current collector. <i>Frontiers of Materials Science</i> , 2020 , 14, 243-254	2.5	1
13	A graphene-like nanoribbon for efficient bifunctional electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2021 ,	13	1
12	Enhancing the electrochemical performances of LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ cathode material by anion/cation co-doping. <i>Ionics</i> , 2021 , 27, 1491-1499	2.7	1
11	Polydopamine-assisted NiMoO ₄ nanorods anchored on graphene as an electrode material for supercapacitor applications. <i>Journal of Energy Storage</i> , 2022 , 50, 104639	7.8	1
10	Design of Nb-Ti-Fe hydrogen permeable alloys based on the ductile-to-brittle transition-hydrogen concentration region. <i>Journal of Alloys and Compounds</i> , 2022 , 901, 163615	5.7	0

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| 9 | Room temperature boronized and phosphated cobalt-nickel metal-organic framework as the electrode material for supercapacitors. <i>Journal of Energy Storage</i> , 2022 , 51, 104372 | 7.8 | ○ |
| 8 | Facile preparation of Ni(OH) ₂ -B/S composite with an embroidered spherical nanosheet structure for high-performance supercapacitors. <i>Journal of Energy Storage</i> , 2022 , 50, 104616 | 7.8 | ○ |
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| 6 | Evolution of Unidirectional Solidification Microstructure and Hydrogenated Treatment of Nb-Ti-Co Quasiperitectic Alloys. <i>Journal of Physics: Conference Series</i> , 2021 , 2079, 012013 | 0.3 | |
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