

# Yongjing Zou

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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> , <b>2022</b> , 638, 128193	5.1	2
151	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> , <b>2022</b> , 901, 163615	5.7	0
150	High density anchoring of NiMoS <sub>4</sub> on ultrathin Ti <sub>3</sub> C <sub>2</sub> MXene assisted by dopamine for supercapacitor electrode materials. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 891, 161945	5.7	9
149	Catalytic effect of highly dispersed ultrafine Ru nanoparticles on a TiO <sub>2</sub> -Ti <sub>3</sub> C <sub>2</sub> support: Hydrolysis of sodium borohydride for H <sub>2</sub> generation. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 906, 164380	5.7	2
148	Synthesis of g-C <sub>3</sub> N <sub>4</sub> /Fe <sub>3</sub> O <sub>4</sub> /MoS <sub>2</sub> composites for efficient hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 906, 164265	5.7	2
147	Room temperature boronized and phosphated cobalt-nickel metal-organic framework as the electrode material for supercapacitors. <i>Journal of Energy Storage</i> , <b>2022</b> , 51, 104372	7.8	0
146	Self-supported CoMo sulfide in electrospun carbon nanofibers as electrocatalysts for hydrogen evolution reaction in alkaline medium. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 165094	5.7	2
145	Facile preparation of Ni(OH) <sub>2</sub> -B/S composite with an embroidered spherical nanosheet structure for high-performance supercapacitors. <i>Journal of Energy Storage</i> , <b>2022</b> , 50, 104616	7.8	0
144	Polydopamine-assisted NiMoO <sub>4</sub> nanorods anchored on graphene as an electrode material for supercapacitor applications. <i>Journal of Energy Storage</i> , <b>2022</b> , 50, 104639	7.8	1
143	Quaternary Nb-Hf-Co-Fe alloy with superior hydrogen permeation properties over a wide temperature range. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 912, 165232	5.7	
142	Synthesis of Beedle-cluster NiCo <sub>2</sub> O <sub>4</sub> carbon nanofibers and loading of Co-B nanoparticles for hydrogen production through the hydrolysis of NaBH <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 911, 165069	5.7	0
141	Evolution of Unidirectional Solidification Microstructure and Hydrogenated Treatment of Nb-Ti-Co Quasiperitectic Alloys. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2079, 012013	0.3	
140	A graphene-like nanoribbon for efficient bifunctional electrocatalysts. <i>Journal of Materials Chemistry A</i> , <b>2021</b> ,	13	1
139	Growth of yolk-shell CuCo <sub>2</sub> S <sub>4</sub> on NiO nanosheets for high-performance flexible supercapacitors. <i>Ceramics International</i> , <b>2021</b> , 48, 3636-3636	5.1	3
138	Template strategy to synthesize porous Mn-Co-S nanospheres electrode for high-performance supercapacitors. <i>Journal of Energy Storage</i> , <b>2021</b> , 44, 103267	7.8	5
137	Phosphidated Ni-Mn layered double hydroxideBased electrode material with superior electrochemical performance for supercapacitors. <i>Journal of Energy Storage</i> , <b>2021</b> , 44, 103311	7.8	3
136	The influence of surface corrosion on microstructure and hydrogen permeability of Nb-Hf-Co dual-phase alloys. <i>Materials Today Communications</i> , <b>2021</b> , 102951	2.5	

135	Li <sub>1.2</sub> Mn <sub>0.6</sub> Ni <sub>0.2</sub> O <sub>2</sub> Cathode Material Prepared by the Ultrasonic Dispersion-assisted Method <b>2021</b> , 1, 58-65		
134	Nb <sub>35</sub> Hf <sub>32.5</sub> Co <sub>32.5</sub> dual-phase alloy: Hydrogen permeability degradation due to the microstructural changes caused by annealing. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 15609-15623 <sup>3</sup>	6.7	23
133	Three-Dimensional Self-Supporting TiC with MoS and CuO Nanocrystals for High-Performance Flexible Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 22664-22675	9.5	26
132	All-Solid High-Performance Asymmetric Supercapacitor Based on Yolk@Shell NiMoO <sub>4</sub> /V <sub>2</sub> C <sub>x</sub> @Reduced Graphene Oxide and Hierarchical Bamboo-Shaped MoO <sub>2</sub> @Fe <sub>2</sub> O <sub>3</sub> /N-Doped Carbon. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 10250-10261	4.1	11
131	Polypyrrole-wrapped NiCo <sub>2</sub> S <sub>4</sub> nanoneedles as an electrode material for supercapacitor applications. <i>Ceramics International</i> , <b>2021</b> , 47, 16562-16569	5.1	11
130	Rambutan-like hierarchically porous carbon microsphere as electrode material for high-performance supercapacitors <b>2021</b> , 3, 361-374		8
129	Design of hydrogen separation Nb-Ti-Fe membranes with high permeability and low cost. <i>Separation and Purification Technology</i> , <b>2021</b> , 257, 117945	8.3	6
128	Bacterial cellulose derived carbon as a support for catalytically active CoB alloy for hydrolysis of sodium borohydride. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 666-675	6.7	18
127	Enhancing the electrochemical performances of LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> cathode material by anion/cation co-doping. <i>Ionics</i> , <b>2021</b> , 27, 1491-1499	2.7	1
126	Electrospinning synthesis of NiCo <sub>2</sub> O <sub>4</sub> embedded N-doped carbon for high-performance supercapacitors. <i>Journal of Energy Storage</i> , <b>2021</b> , 39, 102665	7.8	10
125	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> , <b>2021</b> , 40, 102687 <sup>8</sup>	7.8	6
124	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> , <b>2021</b> , 5, 2100209	5.9	2
123	Three-dimensional polypyrrole-enhanced flower-like ZnCo <sub>2</sub> S <sub>4</sub> nanoclusters used as advanced electrodes for supercapacitors. <i>Journal of Energy Storage</i> , <b>2021</b> , 41, 102838	7.8	8
122	A novel Nb-based hydrogen purification membrane without catalytic palladium overlayer. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 875, 160103	5.7	2
121	Morphological control and electrochemical performance of NiCo <sub>2</sub> O <sub>4</sub> @NiCo layered double hydroxide as an electrode for supercapacitors. <i>Journal of Energy Storage</i> , <b>2021</b> , 41, 102862	7.8	15
120	Osmanthus fragrans-derived N-doped porous carbon for supercapacitor applications. <i>Journal of Energy Storage</i> , <b>2021</b> , 42, 103017	7.8	4
119	A high activity AlBi@C for hydrogen generation from Al-water reaction. <i>Ceramics International</i> , <b>2021</b> , 47, 29064-29071	5.1	2
118	Layer-by-layer self-assembled GO-MoS <sub>2</sub> Co <sub>3</sub> O <sub>4</sub> three-dimensional conducting network for high-performance supercapacitors. <i>Journal of Energy Storage</i> , <b>2021</b> , 43, 103195	7.8	3

117	Synthesis of highly stable cobalt nanorods anchored on a Ti4N3Tx MXene composite for the hydrolysis of sodium borohydride. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 885, 160991	5.7	3
116	Hydrogen generation from ammonia borane hydrolysis catalyzed by ruthenium nanoparticles supported on CoNi layered double oxides. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 2301-2312	5.8	6
115	Hydrolytic dehydrogenation of NHBH catalyzed by ruthenium nanoparticles supported on magnesium-aluminum layered double-hydroxides.. <i>RSC Advances</i> , <b>2020</b> , 10, 9996-10005	3.7	9
114	Anchoring sea urchin-like cobalt-nickel carbonate hydroxide on 3D carbon sponge for electrochemical energy storage. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 845, 156024	5.7	31
113	Superior performance for lithium storage from an integrated composite anode consisting of SiO-based active material and current collector. <i>Frontiers of Materials Science</i> , <b>2020</b> , 14, 243-254	2.5	1
112	Core-shell structured CuCo2S4@CoMoO4 nanorods for advanced electrode materials. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 844, 156133	5.7	43
111	Tunable hierarchical surfaces of CuO derived from metal-organic frameworks for non-enzymatic glucose sensing. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 1512-1525	6.8	20
110	Thermal decompositions and heat capacities study of a co-based zeolitic imidazolate framework. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 142, 891-898	4.1	5
109	Encapsulation of hollow Cu2O nanocubes with Co3O4 on porous carbon for energy-storage devices. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 55, 182-189	9.1	34
108	Encapsulated cobalt nanoparticles as a recoverable catalyst for the hydrolysis of sodium borohydride. <i>Energy Storage Materials</i> , <b>2020</b> , 27, 187-197	19.4	34
107	Controllable synthesis, characterization and photoluminescence properties of flower-like BaMoO4 hierarchical architectures. <i>CrystEngComm</i> , <b>2020</b> , 22, 3115-3121	3.3	7
106	Nb-TiCo multiphase alloys: The significant impact of Ti/Co ratio on solidification path, microstructure and hydrogen permeability. <i>Materials Today Communications</i> , <b>2020</b> , 25, 101660	2.5	
105	Spacing graphene and Ni-Co layered double hydroxides with polypyrrole for high-performance supercapacitors. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 55, 190-197	9.1	46
104	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> , <b>2020</b> , 4, 337-346	5.8	29
103	Co3O4-doped two-dimensional carbon nanosheet as an electrode material for high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , <b>2020</b> , 335, 135611	6.7	18
102	A modified 'skeleton/skin' strategy for designing CoNiP nanosheets arrayed on graphene foam for on/off switching of NaBH hydrolysis.. <i>RSC Advances</i> , <b>2020</b> , 10, 26834-26842	3.7	4
101	Synthesis and Characterization of BiOBr Microstructures Via Free Surfactant Solvothermal Route. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 730, 012010	0.4	
100	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 &amp; Interfaces</i> , <b>2020</b> , 12, 41398-41409	9.5	22

99	Binary CoNi oxide nanoparticle-loaded hierarchical graphitic porous carbon for high-performance supercapacitors. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 37, 135-142	9.1	75
98	Facile synthesis of hierarchical CoMoDB porous microspheres for high-performance supercapacitors. <i>Ceramics International</i> , <b>2020</b> , 46, 1448-1456	5.1	25
97	Low-temperature synthesis of sea urchin-like Co-Ni oxide on graphene oxide for supercapacitor electrodes. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 55, 223-230	9.1	39
96	Poly(N-vinyl-2-pyrrolidone)-stabilized ruthenium supported on bamboo leaf-derived porous carbon for NH <sub>3</sub> BH <sub>3</sub> hydrolysis. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 29255-29262	6.7	14
95	Biomass-Derived Porous Carbon Prepared from Egg White for High-performance Supercapacitor Electrode Materials. <i>ChemistrySelect</i> , <b>2019</b> , 4, 7358-7365	1.8	14
94	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> , <b>2019</b> , 2, 3389-3399	6.1	44
93	Li <sub>1.2</sub> Mn <sub>0.6</sub> Ni <sub>0.2</sub> O <sub>2</sub> with 3D porous rod-like hierarchical micro/nanostructure for high-performance cathode material. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 790, 863-870	5.7	10
92	Polydopamine-assisted formation of Co <sub>3</sub> O <sub>4</sub> -nanocube-anchored reduced graphene oxide composite for high-performance supercapacitors. <i>Ceramics International</i> , <b>2019</b> , 45, 13894-13902	5.1	53
91	Nitrogen-doped porous carbon derived from ginkgo leaves with remarkable supercapacitance performance. <i>Diamond and Related Materials</i> , <b>2019</b> , 98, 107475	3.5	21
90	Multiphase NbTiCo alloys: The significant impact of surface corrosion on the structural stability and hydrogen permeation behaviour. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 16684-16697	6.7	8
89	Tuning the properties of hydrogenated graphene via interfacial contact of cubic BN (111). <i>Physica B: Condensed Matter</i> , <b>2019</b> , 571, 257-262	2.8	2
88	A novel Al BiOCl composite for hydrogen generation from water. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 6655-6662	6.7	20
87	Ruthenium supported on nitrogen-doped porous carbon for catalytic hydrogen generation from NH <sub>3</sub> BH <sub>3</sub> hydrolysis. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 1774-1781	6.7	30
86	Graphene-oxide-induced lamellar structures used to fabricate novel composite solid-solid phase change materials for thermal energy storage. <i>Chemical Engineering Journal</i> , <b>2019</b> , 362, 909-920	14.7	54
85	Synthesis and optical properties of coil-ball-like CaMoO <sub>4</sub> hierarchical architectures. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 3639-3646	2.1	4
84	In Situ Synthesis of Ruthenium Supported on Ginkgo Leaf-Derived Porous Carbon for H <sub>2</sub> Generation from NH <sub>3</sub> BH <sub>3</sub> Hydrolysis. <i>Recent Patents on Materials Science</i> , <b>2019</b> , 11, 65-70	0.3	2
83	Preparation and optical properties of three-dimensional navel-like Bi <sub>2</sub> WO <sub>6</sub> hierarchical microspheres. <i>Chinese Chemical Letters</i> , <b>2019</b> , 30, 783-786	8.1	10
82	Ionic Liquids as Environmentally Benign Electrolytes for High-Performance Supercapacitors. <i>Global Challenges</i> , <b>2019</b> , 3, 1800023	4.3	23

81	Solvothermal synthesis and photocatalytic properties of ZnO micro/nanostructures. <i>Ceramics International</i> , <b>2019</b> , 45, 1724-1729	5.1	48
80	Gold nanoparticles-based multifunctional nanoconjugates for highly sensitive and enzyme-free detection of E.coli K12. <i>Talanta</i> , <b>2019</b> , 193, 15-22	6.2	26
79	Chitosan-mediated CoTeB nanoparticles for catalyzing the hydrolysis of sodium borohydride. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 4912-4921	6.7	48
78	Enhanced electrochemical performance of sandwich-structured polyaniline-wrapped silicon oxide/carbon nanotubes for lithium-ion batteries. <i>Applied Surface Science</i> , <b>2018</b> , 442, 204-212	6.7	22
77	Nitrogen-doped porous microsphere carbons derived from glucose and aminourea for high-performance supercapacitors. <i>Catalysis Today</i> , <b>2018</b> , 318, 150-156	5.3	18
76	Broccoli-like porous carbon nitride from ZIF-8 and melamine for high performance supercapacitors. <i>Applied Surface Science</i> , <b>2018</b> , 440, 47-54	6.7	70
75	Simple synthesis of core-shell structure of Co <sub>3</sub> O <sub>4</sub> @ carbon-nanotube-incorporated nitrogen-doped carbon for high-performance supercapacitor. <i>Electrochimica Acta</i> , <b>2018</b> , 261, 537-547	6.7	133
74	Facile synthesis of honeycomb-structured Co <sub>3</sub> O <sub>4</sub> composite for high-performance supercapacitors. <i>Applied Surface Science</i> , <b>2018</b> , 460, 25-32	6.7	23
73	Design and characterizations of novel Nb-ZrCo hydrogen permeation alloys for hydrogen separation applications. <i>Materials Chemistry and Physics</i> , <b>2018</b> , 212, 282-291	4.4	12
72	Preparation and thermophysical properties of a novel form-stable CaCl <sub>2</sub> ·6H <sub>2</sub> O/sepiolite composite phase change material for latent heat storage. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2018</b> , 131, 57-63	4.1	23
71	Preparation and thermal performance of n-octadecane/expanded graphite composite phase-change materials for thermal management. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2018</b> , 131, 81-88	4.1	13
70	A pyridine vapor sensor based on metal-organic framework-modified quartz crystal microbalance. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 254, 872-877	8.5	20
69	Improved Dehydrogenation Performance of Li-B-N-H by Doped NiO. <i>Metals</i> , <b>2018</b> , 8, 258	2.3	2
68	Two dimensional holey carbon nanosheets assisted by calcium acetate for high performance supercapacitor. <i>Electrochimica Acta</i> , <b>2018</b> , 283, 904-913	6.7	21
67	Enhanced thermal diffusivity and dehydrogenation of 2LiNH <sub>2</sub> MgH <sub>2</sub> by doping with super activated carbon. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 13975-13980	6.7	7
66	Inducement of nanoscale CuBTC on nanocomposite of PPy/GO and its performance in ammonia sensing. <i>Materials Research Bulletin</i> , <b>2018</b> , 99, 152-160	5.1	35
65	Nitrogen-rich sandwich-like carbon nanosheets as anodes with superior lithium storage properties. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 225-232	6.8	14
64	Fe-Co-Ni/Nitrogen-Doped Mesoporous Carbon Materials for Electrochemical Oxygen Reduction. <i>ChemistrySelect</i> , <b>2018</b> , 3, 12960-12966	1.8	2

63	Development of Nb-Ti-Co alloy for high-performance hydrogen separating membrane. <i>Journal of Membrane Science</i> , <b>2018</b> , 565, 411-424	9.6	16
62	Organic carbon gel assisted-synthesis of Li <sub>1.2</sub> Mn <sub>0.6</sub> Ni <sub>0.2</sub> O <sub>2</sub> for a high-performance cathode material for Li-ion batteries. <i>RSC Advances</i> , <b>2017</b> , 7, 1561-1566	3.7	11
61	Growth of copperBenzene-1,3,5-tricarboxylate on boron nitride nanotubes and application of the composite in methane sensing. <i>Applied Surface Science</i> , <b>2017</b> , 424, 39-44	6.7	8
60	Enhanced hydrogen storage properties of 2LiNH <sub>2</sub> /MgH <sub>2</sub> through the addition of Mg(BH <sub>4</sub> ) <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 704, 44-50	5.7	14
59	Simple synthesis of graphene-doped flower-like cobaltNickelTungstenBoron oxides with self-oxidation for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 9907-9913	13	79
58	Microencapsulation of phase change materials with carbon nanotubes reinforced shell for enhancement of thermal conductivity. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 182, 012015	0.4	5
57	Guanine-Derived Nitrogen-Doped Ordered Mesoporous Carbons for Lithium-Ion Battery Anodes. <i>ChemistrySelect</i> , <b>2017</b> , 2, 10076-10081	1.8	9
56	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> , <b>2017</b> , 41, 12901-12909	3.6	16
55	Effects of the Preparation Solvent on the Catalytic Properties of CobaltBoron Alloy for the Hydrolysis of Alkaline Sodium Borohydride. <i>Metals</i> , <b>2017</b> , 7, 365	2.3	14
54	Hydrogen generation of a novel Al NaMgH <sub>3</sub> composite reaction with water. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 30535-30542	6.7	20
53	Light metal borohydrides/amides combined hydrogen storage systems: composition, structure and properties. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 25112-25130	13	34
52	Synthesis of three-dimensional graphene aerogel encapsulated n-octadecane for enhancing phase-change behavior and thermal conductivity. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 15191-15199	13	77
51	Improved Dehydrogenation Properties of 2LiNH <sub>2</sub> -MgH <sub>2</sub> by Doping with Li <sub>3</sub> AlH <sub>6</sub> . <i>Metals</i> , <b>2017</b> , 7, 34	2.3	11
50	Ternary CoNiB amorphous alloy with a superior electrochemical performance in a wide temperature range. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 3955-3960	6.7	21
49	Changes in microstructures and hydrogen permeability of Nb <sub>30</sub> Hf <sub>35</sub> Co <sub>35</sub> eutectic alloy membranes by annealing. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 1401-1407	6.7	7
48	Pd-doped TiO <sub>2</sub> @polypyrrole core-shell composites as hydrogen-sensing materials. <i>Ceramics International</i> , <b>2016</b> , 42, 8257-8262	5.1	25
47	Doping composite of polyaniline and reduced graphene oxide with palladium nanoparticles for room-temperature hydrogen-gas sensing. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 5396-5404	6.7	71
46	Synthesis of N-doped hierarchical carbon spheres for CO <sub>2</sub> capture and supercapacitors. <i>RSC Advances</i> , <b>2016</b> , 6, 1422-1427	3.7	31

- 45 Thermochemical studies of Rhodamine B and Rhodamine 6G by modulated differential scanning calorimetry and thermogravimetric analysis. *Journal of Thermal Analysis and Calorimetry*, **2016**, 123, 1614-1618<sup>11</sup>
- 44 One-pot synthesis of ternary polypyrrole/Prussian-blue/graphene-oxide hybrid composite as electrode material for high-performance supercapacitors. *Electrochimica Acta*, **2016**, 188, 126-134 6.7 86
- 43 Cobalt-Nickel-Boron Supported over Polypyrrole-Derived Activated Carbon for Hydrolysis of Ammonia Borane. *Metals*, **2016**, 6, 154 2.3 16
- 42 The Co-B Amorphous Alloy: A High Capacity Anode Material for an Alkaline Rechargeable Battery. *Metals*, **2016**, 6, 269 2.3 6
- 41 Enhancement of the electrochemical performance of CoB amorphous alloy through the addition of A2B7-type alloy. *International Journal of Hydrogen Energy*, **2016**, 41, 16142-16147 6.7 5
- 40 High-performance supercapacitor based on V2O5/carbon nanotubes-super activated carbon ternary composite. *Ceramics International*, **2016**, 42, 12129-12135 5.1 30
- 39 Ammonia sensor based on polypyrrole/graphene nanocomposite decorated with titania nanoparticles. *Ceramics International*, **2015**, 41, 6432-6438 5.1 85
- 38 Influence of boron introduction on structure and electrochemical hydrogen storage properties of TiV-based alloys. *Journal of Alloys and Compounds*, **2015**, 648, 320-325 5.7 8
- 37 High-capacity graphene/sulfur/polyaniline ternary composite cathodes with stable cycling performance. *Electrochimica Acta*, **2015**, 174, 963-969 6.7 14
- 36 Novel LiNi0.5Mn1.5O4 porous microellipsoids as high-performance cathode materials for lithium ion batteries. *Journal of Power Sources*, **2015**, 288, 353-358 8.9 15
- 35 Hydrogen generation by hydrolysis of alkaline sodium borohydride using a cobalt/nickel/boron/graphene nanocomposite treated with sodium hydroxide. *International Journal of Hydrogen Energy*, **2015**, 40, 4111-4118 6.7 46
- 34 A novel thermal-insulating film incorporating microencapsulated phase-change materials for temperature regulation and nano-TiO2 for UV-blocking. *Solar Energy Materials and Solar Cells*, **2015**, 137, 210-218 6.4 16
- 33 Enhancement of the electrochemical properties of rare earth-based alloy by doping with CoZnB alloy. *International Journal of Hydrogen Energy*, **2015**, 40, 14173-14178 6.7 9
- 32 Cobalt/Boron/nickel/Boron nanocomposite with improved catalytic performance for the hydrolysis of ammonia borane. *International Journal of Hydrogen Energy*, **2015**, 40, 13423-13430 6.7 35
- 31 Fabrication and characterization of a novel nanoporous Co/Ni/B catalyst for rapid hydrogen generation. *RSC Advances*, **2015**, 5, 163-166 3.7 13
- 30 Highly active nanoporous Co/B/TiO2 framework for hydrolysis of NaBH4. *Ceramics International*, **2015**, 41, 899-905 5.1 46
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- 28 Improvement on Hydrogen Desorption Performance of Calcium Borohydride Diammoniate Doped with Transition Metal Chlorides. *Journal of Physical Chemistry C*, **2015**, 119, 913-918 3.8 11



27	Significantly enhanced dehydrogenation properties of calcium borohydride combined with urea. <i>Dalton Transactions</i> , <b>2014</b> , 43, 15291-4	4.3	6
26	A room-temperature hydrogen sensor based on Pd nanoparticles doped TiO <sub>2</sub> nanotubes. <i>Ceramics International</i> , <b>2014</b> , 40, 16343-16348	5.1	81
25	Al <sub>3</sub> AlH <sub>6</sub> : A novel composite with high activity for hydrogen generation. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 10392-10398	6.7	16
24	CaCl <sub>2</sub> ·6H <sub>2</sub> O/Expanded graphite composite as form-stable phase change materials for thermal energy storage. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2014</b> , 115, 111-117	4.1	87
23	Biozymatic glucose biosensor based on direct electrochemistry of cytochrome c on gold nanoparticles/polyaniline nanospheres composite. <i>Talanta</i> , <b>2013</b> , 110, 96-100	6.2	34
22	Heat capacities and thermodynamic properties of M(HBTC)(4,4'-bipyridine)DMF (M = Ni and Co). <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 110, 949-954	4.1	10
21	A novel sensor based on electrochemical polymerization of diglycolic acid for determination of acetaminophen. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 38, 27-30	11.8	17
20	Significantly improved dehydrogenation of LiAlH <sub>4</sub> destabilized by K <sub>2</sub> TiF <sub>6</sub> . <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 3261-3267	6.7	48
19	Role of the photosynthetic electron transfer chain in electrogenic activity of cyanobacteria. <i>Applied Microbiology and Biotechnology</i> , <b>2011</b> , 91, 377-85	5.7	66
18	Nanostructured polypyrrole-coated anode for sun-powered microbial fuel cells. <i>Bioelectrochemistry</i> , <b>2010</b> , 79, 50-6	5.6	74
17	Light-dependent electrogenic activity of cyanobacteria. <i>PLoS ONE</i> , <b>2010</b> , 5, e10821	3.7	151
16	Photosynthetic microbial fuel cells with positive light response. <i>Biotechnology and Bioengineering</i> , <b>2009</b> , 104, 939-46	4.9	137
15	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> , <b>2009</b> , 517, 2905-2911	2.2	9
14	Direct electrochemistry and enhanced electrocatalysis of horseradish peroxidase based on flowerlike ZnO/gold nanoparticle/Nafion nanocomposite. <i>Sensors and Actuators B: Chemical</i> , <b>2009</b> , 136, 158-162	8.5	158
13	Direct Electron Transfer of Horseradish Peroxidase and Its Biosensor Based on Gold Nanoparticles/Chitosan/ITO Modified Electrode. <i>Analytical Letters</i> , <b>2008</b> , 41, 2224-2236	2.2	7
12	Amperometric glucose biosensor prepared with biocompatible material and carbon nanotube by layer-by-layer self-assembly technique. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 4089-4095	6.7	49
11	Glucose biosensor based on electrodeposition of platinum nanoparticles onto carbon nanotubes and immobilizing enzyme with chitosan-SiO <sub>2</sub> sol-gel. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 23, 1010-6	11.8	218
10	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> , <b>2008</b> , 10, 38-41	5.1	153

9	A mediatorless microbial fuel cell using polypyrrole coated carbon nanotubes composite as anode material. <i>International Journal of Hydrogen Energy</i> , <b>2008</b> , 33, 4856-4862	6.7	257
8	Biosensor based on polyaniline-Prussian Blue/multi-walled carbon nanotubes hybrid composites. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 2669-74	11.8	115
7	Prussian Blue electrodeposited on MWNTs-PANI hybrid composites for H <sub>2</sub> O <sub>2</sub> detection. <i>Talanta</i> , <b>2007</b> , 72, 437-42	6.2	75
6	Direct electrochemistry and electrocatalysis of cytochrome c immobilized on gold nanoparticles-chitosan-carbon nanotubes-modified electrode. <i>Talanta</i> , <b>2007</b> , 74, 206-11	6.2	91
5	Amperometric Glucose Biosensor Based on Ultrafine Platinum Nanoparticles. <i>Analytical Letters</i> , <b>2007</b> , 40, 2116-2127	2.2	32
4	Voltammetric Determination of L-Dopa Using a Carbon Nanotubes-Nafion Modified Glassy Carbon Electrode. <i>Analytical Letters</i> , <b>2006</b> , 39, 2569-2579	2.2	10
3	Nafion-Modified Glassy Carbon Electrode for Trace Determination of Indium. <i>Analytical Letters</i> , <b>2005</b> , 38, 2045-2055	2.2	5
2	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
1	Synthesis of Porous Yolk-Shelled NiSe <sub>2</sub> /MnSe Heterojunctions for High-Cycling-Stability Asymmetric Supercapacitor Electrode Materials. <i>ACS Applied Energy Materials</i> ,	6.1	3