

Zhenyuan Ji

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66

papers

2,730

citations

28

h-index

51

g-index

69

ext. papers

3,238

ext. citations

6.9

avg, IF

5.29

L-index

#	Paper	IF	Citations
66	Fe ₃ O ₄ -Decorated Co ₉ S ₈ Nanoparticles In Situ Grown on Reduced Graphene Oxide: A New and Efficient Electrocatalyst for Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , 2016 , 26, 4712-4721	15.6	297
65	Solvothermal synthesis of NiCo-layered double hydroxide nanosheets decorated on RGO sheets for high performance supercapacitor. <i>Chemical Engineering Journal</i> , 2015 , 268, 251-259	14.7	290
64	Reduced graphene oxide/nickel nanocomposites: facile synthesis, magnetic and catalytic properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3471		237
63	CoP nanoparticles deposited on reduced graphene oxide sheets as an active electrocatalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5337-5343	13	156
62	Synthesis of reduced graphene oxide/CeO ₂ nanocomposites and their photocatalytic properties. <i>Nanotechnology</i> , 2013 , 24, 115603	3.4	118
61	Reduced graphene oxide supported FePt alloy nanoparticles with high electrocatalytic performance for methanol oxidation. <i>New Journal of Chemistry</i> , 2012 , 36, 1774	3.6	110
60	g-CN/AgBr nanocomposite decorated with carbon dots as a highly efficient visible-light-driven photocatalyst. <i>Journal of Colloid and Interface Science</i> , 2017 , 502, 24-32	9.3	106
59	Nickel@Nitrogen-Doped Carbon@MoS Nanosheets: An Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>Small</i> , 2019 , 15, e1804545	11	83
58	Cyanide-metal framework derived CoMoO ₄ /Co ₃ O ₄ hollow porous octahedrons as advanced anodes for high performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1048-1056	13	67
57	Metal-organic framework derived Fe/FeC@N-doped-carbon porous hierarchical polyhedrons as bifunctional electrocatalysts for hydrogen evolution and oxygen-reduction reactions. <i>Journal of Colloid and Interface Science</i> , 2018 , 524, 93-101	9.3	65
56	Facile synthesis of nickel-cobalt sulfide/reduced graphene oxide hybrid with enhanced capacitive performance. <i>RSC Advances</i> , 2015 , 5, 58777-58783	3.7	63
55	Porous NiCo ₂ O ₄ nanosheets/reduced graphene oxide composite: facile synthesis and excellent capacitive performance for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2015 , 440, 211-8	9.3	58
54	Facile synthesis of Co ₃ O ₄ porous nanosheets/reduced graphene oxide composites and their excellent supercapacitor performance. <i>RSC Advances</i> , 2014 , 4, 53180-53187	3.7	58
53	Graphene Oxide Modified Ag ₂ O Nanocomposites with Enhanced Photocatalytic Activity under Visible-Light Irradiation. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 6119-6125	2.3	49
52	Large-scale facile synthesis of Fe-doped SnO ₂ porous hierarchical nanostructures and their enhanced lithium storage properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15875-15882	13	44
51	Preparation and characterization of graphene/NiO nanocomposites. <i>Journal of Materials Science</i> , 2011 , 46, 1190-1195	4.3	44
50	MOF derived CoP-decorated nitrogen-doped carbon polyhedrons/reduced graphene oxide composites for high performance supercapacitors. <i>Dalton Transactions</i> , 2019 , 48, 10661-10668	4.3	42

49	Nitrogen-doped carbon dots decorated ultrathin nickel hydroxide nanosheets for high-performance hybrid supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2019 , 542, 392-399	9.3	42
48	An All-Solid-State Z-Scheme g-C ₃ N ₄ /Ag/Ag ₃ VO ₄ Photocatalyst with Enhanced Visible-Light Photocatalytic Performance. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 2845-2853	2.3	40
47	Synthesis of Cu ₃ P nanocubes and their excellent electrocatalytic efficiency for the hydrogen evolution reaction in acidic solution. <i>RSC Advances</i> , 2016 , 6, 9672-9677	3.7	40
46	Nitrogen-doped carbon dot-modified Ag ₃ PO ₄ /GO photocatalyst with excellent visible-light-driven photocatalytic performance and mechanism insight. <i>Catalysis Science and Technology</i> , 2018 , 8, 632-641	5.5	36
45	Facile synthesis of magnetically separable reduced graphene oxide/magnetite/silver nanocomposites with enhanced catalytic activity. <i>Journal of Colloid and Interface Science</i> , 2015 , 459, 79-85	9.3	34
44	High-performance hybrid supercapacitor realized by nitrogen-doped carbon dots modified cobalt sulfide and reduced graphene oxide. <i>Electrochimica Acta</i> , 2020 , 334, 135632	6.7	34
43	Facile growth of Cu ₂ O hollow cubes on reduced graphene oxide with remarkable electrocatalytic performance for non-enzymatic glucose detection. <i>New Journal of Chemistry</i> , 2017 , 41, 9223-9229	3.6	32
42	Anchoring noble metal nanoparticles on CeO ₂ modified reduced graphene oxide nanosheets and their enhanced catalytic properties. <i>Journal of Colloid and Interface Science</i> , 2014 , 432, 57-64	9.3	31
41	Controllable Sandwiching of Reduced Graphene Oxide in Hierarchical Defect-Rich MoS ₂ Ultrathin Nanosheets with Expanded Interlayer Spacing for Electrocatalytic Hydrogen Evolution Reaction. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1801093	4.6	30
40	Nitrogen-doped carbon dots modified dibismuth tetraoxide microrods: A direct Z-scheme photocatalyst with excellent visible-light photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2018 , 531, 473-482	9.3	28
39	Protein-derived nitrogen-doped hierarchically porous carbon as electrode material for supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 12206-12215	2.1	28
38	Co ₃ ZnC core-shell nanoparticle assembled microspheres/reduced graphene oxide as an advanced electrocatalyst for hydrogen evolution reaction in an acidic solution. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11066-11073	13	27
37	Silk-inspired stretchable fiber-shaped supercapacitors with ultrahigh volumetric capacitance and energy density for wearable electronics. <i>Chemical Engineering Journal</i> , 2020 , 386, 124024	14.7	26
36	Amorphous CoFe(OH) _x hollow hierarchical structure: an efficient and durable electrocatalyst for oxygen evolution reaction. <i>Catalysis Science and Technology</i> , 2020 , 10, 215-221	5.5	24
35	Nitrogen-doped carbon dots anchored NiO/CoO ultrathin nanosheets as advanced cathodes for hybrid supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2020 , 579, 282-289	9.3	22
34	Cellulose-derived nitrogen-doped hierarchically porous carbon for high-performance supercapacitors. <i>Cellulose</i> , 2019 , 26, 1195-1208	5.5	22
33	Thermal Synthesis of Graphene Dispersed on Nitrogen-Doped Carbon Matrix as an Excellent Electrocatalyst for Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2019 , 2, 4075-4083	6.1	21
32	Facile electrochemical synthesis of CeO ₂ @Ag@CdS nanotube arrays with enhanced photoelectrochemical water splitting performance. <i>Dalton Transactions</i> , 2015 , 44, 19935-41	4.3	21

31	One-step thermal synthesis of nickel nanoparticles modified graphene sheets for enzymeless glucose detection. <i>Journal of Colloid and Interface Science</i> , 2017 , 506, 678-684	9.3	21
30	High energy density hybrid supercapacitor based on cobalt-doped nickel sulfide flower-like architectures deposited with nitrogen-doped carbon dots. <i>Nanoscale</i> , 2021 , 13, 1689-1695	7.7	20
29	Facile synthesis and gas-sensing performance of Sr- or Fe-doped In ₂ O ₃ hollow sub-microspheres. <i>RSC Advances</i> , 2015 , 5, 64228-64234	3.7	18
28	Controlled synthesis and gas sensing properties of porous Fe ₂ O ₃ /NiO hierarchical nanostructures. <i>CrystEngComm</i> , 2015 , 17, 5522-5529	3.3	18
27	Morphological synthesis of Prussian blue analogue Zn ₃ [Fe(CN) ₆] ₂ ·xH ₂ O micro-/nanocrystals and their excellent adsorption performance toward methylene blue. <i>Journal of Colloid and Interface Science</i> , 2016 , 464, 191-7	9.3	17
26	Flower-like silver bismuthate supported on nitrogen-doped carbon dots modified graphene oxide sheets with excellent degradation activity for organic pollutants. <i>Journal of Colloid and Interface Science</i> , 2019 , 540, 167-176	9.3	16
25	Facile synthesis and enhanced catalytic performance of reduced graphene oxide decorated with hexagonal structure Ni nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2017 , 487, 223-230	9.3	15
24	Organic-inorganic hybrid ZnS(butylamine) nanosheets and their transformation to porous ZnS. <i>Journal of Colloid and Interface Science</i> , 2016 , 468, 136-144	9.3	15
23	Chitosan-assisted synthesis of wearable textile electrodes for high-performance electrochemical energy storage. <i>Cellulose</i> , 2019 , 26, 9349-9359	5.5	14
22	Synthesis of AgCl hollow cubes and their application in photocatalytic degradation of organic pollutants. <i>CrystEngComm</i> , 2015 , 17, 2517-2522	3.3	13
21	Reduced graphene oxide uniformly decorated with Co nanoparticles: facile synthesis, magnetic and catalytic properties. <i>RSC Advances</i> , 2016 , 6, 107709-107716	3.7	13
20	An Electrocatalyst for a Hydrogen Evolution Reaction in an Alkaline Medium: Three-Dimensional Graphene Supported CeO ₂ Hollow Microspheres. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 3952-3959	2.3	13
19	Scalable surface engineering of commercial metal foams for defect-rich hydroxides towards improved oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 12603-12612	13	12
18	Hydrothermal syntheses of silver phosphate nanostructures and their photocatalytic performance for organic pollutant degradation. <i>Crystal Research and Technology</i> , 2014 , 49, 975-981	1.3	12
17	Construction of rGO-Encapsulated Co ₃ O ₄ -CoFe ₂ O ₄ Composites with a Double-Buffer Structure for High-Performance Lithium Storage. <i>Small</i> , 2021 , 17, e2101080	11	11
16	Synthesis of GO/g-C ₃ N ₄ nanocomposites with enhanced photocatalytic efficiency in the degradation of organic pollutants. <i>Journal of Materials Science</i> , 2017 , 52, 6100-6110	4.3	10
15	Anchoring nitrogen-doped carbon quantum dots on nickel carbonate hydroxide nanosheets for hybrid supercapacitor applications. <i>Journal of Colloid and Interface Science</i> , 2021 , 590, 614-621	9.3	10
14	A facile and general route for the synthesis of semiconductor quantum dots on reduced graphene oxide sheets. <i>RSC Advances</i> , 2014 , 4, 13601	3.7	8

13	Morphological syntheses of ZnO nanostructures under microwave irradiation. <i>Journal of Materials Science</i> , 2013 , 48, 2358-2364	4.3	7
12	Fabrication of N-doped Reduced Graphene Oxide/Ag ₃ PO ₄ Nanocomposite with Excellent Photocatalytic Activity for the Degradation of Organic Pollutants. <i>Nano</i> , 2017 , 12, 1750013	1.1	6
11	Low temperature synthesis of spindle-like ZnO nanostructures under microwave irradiation. <i>Crystal Research and Technology</i> , 2013 , 48, 1022-1026	1.3	5
10	Size-controllable synthesis of ZnGeO hollow rods supported on reduced graphene oxide as high-capacity anode for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021 , 589, 13-24	9.3	5
9	One-Pot Hydrothermal Synthesis of Ni ₃ S ₂ /MoS ₂ /FeOOH Hierarchical Microspheres on Ni Foam as a High-Efficiency and Durable Dual-Function Electrocatalyst for Overall Water Splitting. <i>ChemElectroChem</i> , 2021 , 8, 665-674	4.3	5
8	Hierarchical flower-like architecture of nickel phosphide anchored with nitrogen-doped carbon quantum dots and cobalt oxide for advanced hybrid supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021 ,	9.3	4
7	Decoration of nickel hexacyanoferrate nanocubes onto reduced graphene oxide sheets as high-performance cathode material for rechargeable aqueous zinc-ion batteries.. <i>Journal of Colloid and Interface Science</i> , 2022 , 609, 297-306	9.3	4
6	Facile synthesis of novel tungsten-based hierarchical core-shell composite for ultrahigh volumetric lithium storage. <i>Journal of Colloid and Interface Science</i> , 2020 , 567, 28-36	9.3	3
5	NiFe-NiFe ₂ O ₄ /rGO composites: Controlled preparation and superior lithium storage properties. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 6696	3.8	3
4	Carbon Cloth Supported Nitrogen Doped Porous Carbon Wrapped Co Nanoparticles for Effective Overall Water Splitting. <i>ChemCatChem</i> , 2021 , 13, 2158-2166	5.2	3
3	Template-assisted synthesis of accordion-like CoFe(OH) nanosheet clusters on GO sheets for electrocatalytic water oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2022 , 905, 115957	4.1	2
2	Nickel sulfide and cobalt sulfide nanoparticles deposited on ultrathin carbon two-dimensional nanosheets for hybrid supercapacitors. <i>Applied Surface Science</i> , 2022 , 574, 151727	6.7	2
1	Metal-organic frameworks-derived carbon modified wood carbon monoliths as three-dimensional self-supported electrodes with boosted electrochemical energy storage performance.. <i>Journal of Colloid and Interface Science</i> , 2022 , 620, 376-387	9.3	0