

Wei Xiong

List of Publications by Year in descending order

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47
papers

3,428
citations

186265
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docs citations

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3811
citing authors

#	ARTICLE	IF	CITATIONS
1	Controllable synthesis of phenolic resin-based carbon nanospheres for simultaneous detection of heavy-metal ions. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 1542-1554.	2.2	2
2	Electrocatalytic ammonia synthesis catalyzed by mesoporous nickel oxide nanosheets loaded with Pt nanoparticles. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1371-1378.	14.0	18
3	Direct In Situ Vertical Growth of Interlaced Mesoporous NiO Nanosheets on Carbon Felt for Electrocatalytic Ammonia Synthesis. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	13
4	MgH ₂ /single-atom heterojunctions: effective hydrogen storage materials with facile dehydrogenation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19839-19851.	10.3	23
5	Facile Surfactant-Assisted Synthesis of Uniform NiO Nanospheres on Carbon Felt for Efficient Electrocatalytic Nitrogen Reduction. <i>Energy & Fuels</i> , 2022, 36, 7017-7024.	5.1	5
6	Catalyst-free synthesis of phenolic-resin-based carbon nanospheres for simultaneous electrochemical detection of Cu (II) and Hg (II). <i>Diamond and Related Materials</i> , 2021, 111, 108170.	3.9	26
7	Emulsion-template synthesis of mesoporous nickel oxide nanoflowers composed of crossed nanosheets for effective nitrogen reduction. <i>Dalton Transactions</i> , 2021, 50, 5835-5844.	3.3	24
8	Water-in-salt electrolyte ion-matched N/O codoped porous carbons for high-performance supercapacitors. <i>Chinese Chemical Letters</i> , 2020, 31, 579-582.	9.0	39
9	Improving the pore-ion size compatibility between poly(ionic liquid)-derived carbons and high-voltage electrolytes for high energy-power supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 382, 122945.	12.7	81
10	Carbon hydrangeas with typical ionic liquid matched pores for advanced supercapacitors. <i>Carbon</i> , 2020, 168, 499-507.	10.3	110
11	Core-shell hierarchical porous carbon spheres with N/O doping for efficient energy storage. <i>Electrochimica Acta</i> , 2020, 358, 136899.	5.2	90
12	Effect of nickel oxide morphology on the nitrogen electrochemical reduction reaction. <i>Nano Materials Science</i> , 2020, 2, 353-359.	8.8	12
13	Highly active N, O-doped hierarchical porous carbons for high-energy supercapacitors. <i>Chinese Chemical Letters</i> , 2020, 31, 1226-1230.	9.0	78
14	A universal strategy to obtain highly redox-active porous carbons for efficient energy storage. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3717-3725.	10.3	79
15	Hydrangea-like N/O codoped porous carbons for high-energy supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 388, 124208.	12.7	75
16	Deep-eutectic-solvent synthesis of N/O self-doped hollow carbon nanorods for efficient energy storage. <i>Chemical Communications</i> , 2019, 55, 11219-11222.	4.1	101
17	Effect of the mercaptan alkyl chain structure on the structure and electrochemical properties of Au-doped mesoporous carbon materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 14281-14290.	2.2	1
18	Synergistic design of aN, O co-doped honeycomb carbon electrode and an ionogel electrolyte enabling all-solid-state supercapacitors with an ultrahigh energy density. <i>Journal of Materials Chemistry A</i> , 2019, 7, 816-826.	10.3	134

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19	Ultra-high energy density of a N, O codoped carbon nanosphere based all-solid-state symmetric supercapacitor. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1177-1186.	10.3	188
20	Ternary-doped carbon electrodes for advanced aqueous solid-state supercapacitors based on a water-in-salt-gel electrolyte. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15801-15811.	10.3	130
21	High-energy flexible solid-state supercapacitors based on O, N, S-tridoped carbon electrodes and a 3.5 V gel-type electrolyte. <i>Chemical Engineering Journal</i> , 2019, 372, 1216-1225.	12.7	103
22	Template-Free, Self-Doped Approach to Porous Carbon Spheres with High N/O Contents for High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7024-7034.	6.7	147
23	From interpenetrating polymer networks to hierarchical porous carbons for advanced supercapacitor electrodes. <i>Chinese Chemical Letters</i> , 2019, 30, 1445-1449.	9.0	58
24	Cooking carbon with protic salt: Nitrogen and sulfur self-doped porous carbon nanosheets for supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 347, 233-242.	12.7	160
25	N, S Co-doped hierarchical porous carbon rods derived from protic salt: Facile synthesis for high energy density supercapacitors. <i>Electrochimica Acta</i> , 2018, 274, 378-388.	5.2	105
26	Large surface area porous carbon materials synthesized by direct carbonization of banana peel and citrate salts for use as high-performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 4294-4300.	2.2	24
27	Controlled Synthesis of Carbon Nanospheres via the Modulation of the Hydrophilic Length of the Assembled Surfactant Micelles. <i>Langmuir</i> , 2018, 34, 10389-10396.	3.5	31
28	Schiff-Base/Resin Copolymer under Hypersaline Condition to High-Level N-Doped Porous Carbon Nanosheets for Supercapacitors. <i>ACS Applied Nano Materials</i> , 2018, 1, 4998-5007.	5.0	63
29	Efficient and Facile Fabrication of Hierarchical Carbon Foams with Abundant Nanoscale Pores for Use in Supercapacitors. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 350-355.	1.9	8
30	Magnetically separated and N, S co-doped mesoporous carbon microspheres for the removal of mercury ions. <i>Chinese Chemical Letters</i> , 2016, 27, 795-800.	9.0	31
31	Facile Synthesis of Nitrogen-Doped Porous Carbon-Gold Hybrid Nanocomposite for Mercury(II) Ion Electrochemical Determination. <i>Electroanalysis</i> , 2016, 28, 133-139.	2.9	11
32	Zinc tartrate oriented hydrothermal synthesis of microporous carbons for high performance supercapacitor electrodes. <i>Chinese Chemical Letters</i> , 2016, 27, 399-404.	9.0	26
33	Size-controlled growth of gold nanoparticle-doped carbon foams as sensitive electrochemical sensors for the determination of Pb(II). <i>Ionics</i> , 2016, 22, 935-941.	2.4	5
34	Development of gold-doped carbon foams as a sensitive electrochemical sensor for simultaneous determination of Pb (II) and Cu (II). <i>Chemical Engineering Journal</i> , 2016, 284, 650-656.	12.7	93
35	Conductometric sensor for ammonia and ethanol using gold nanoparticle-doped mesoporous TiO ₂ . <i>Mikrochimica Acta</i> , 2015, 182, 2345-2352.	5.0	15
36	Aqueous Manganese Dioxide Ink for Paper-Based Capacitive Energy Storage Devices. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6800-6803.	13.8	69

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37	Preparation of a gold electrode modified with Au@TiO ₂ nanoparticles as an electrochemical sensor for the detection of mercury(II) ions. <i>Journal of Materials Science</i> , 2015, 50, 769-776.	3.7	46
38	Self-assembly of ultra-small gold nanoparticles on an indium tin oxide electrode for the enzyme-free detection of hydrogen peroxide. <i>Mikrochimica Acta</i> , 2014, 181, 983-989.	5.0	12
39	The highly sensitive electrocatalytic sensing of catechol using a gold/titanium dioxide nanocomposite-modified gold electrode. <i>RSC Advances</i> , 2014, 4, 32092.	3.6	13
40	Development of MnO ₂ /porous carbon microspheres with a partially graphitic structure for high performance supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2555-2562.	10.3	292
41	A novel and accurate analytical method based on X-ray photoelectron spectroscopy for the quantitative detection of the lithium content in LiFePO ₄ . <i>Analytical Methods</i> , 2014, 6, 5708.	2.7	29
42	Partially graphitic micro- and mesoporous carbon microspheres for supercapacitors. <i>Chinese Chemical Letters</i> , 2013, 24, 1037-1040.	9.0	18
43	Nickel-Doped Activated Mesoporous Carbon Microspheres with Partially Graphitic Structure for Supercapacitors. <i>Energy & Fuels</i> , 2013, 27, 1168-1173.	5.1	165
44	Preparation of nitrogen-doped macro-/mesoporous carbon foams as electrode material for supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 411, 34-39.	4.7	51
45	A self-template synthesis of hierarchical porous carbon foams based on banana peel for supercapacitor electrodes. <i>Journal of Power Sources</i> , 2012, 209, 152-157.	7.8	425
46	A novel synthesis of mesoporous carbon microspheres for supercapacitor electrodes. <i>Journal of Power Sources</i> , 2011, 196, 10461-10464.	7.8	153
47	Synthesis and Electrochemical Properties of Macro-/Microporous Carbon Foams. <i>Advanced Materials Research</i> , 2011, 239-242, 1396-1399.	0.3	3