

Yuechao Yao

List of Publications by Year in descending order

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26
papers

537
citations

687363

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docs citations

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times ranked

712
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-high-content nitrogen-decorated nanoporous carbon derived from metal organic frameworks and its application in supercapacitors. <i>Electrochimica Acta</i> , 2018, 271, 599-607.	5.2	65
2	Multi-heteroatom-doped hollow carbon tubes as robust electrocatalysts for the oxygen reduction reaction, oxygen and hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2021, 418, 129321.	12.7	61
3	A composite of hollow carbon nanospheres and sulfur-rich polymers for lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2017, 357, 11-18.	7.8	56
4	Janus Hollow Nanofiber with Bifunctional Oxygen Electrocatalyst for Rechargeable Zn-Air Battery. <i>Small</i> , 2022, 18, e2200578.	10.0	48
5	NiCoFe oxide amorphous nanostructures for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 22991-23001.	7.1	39
6	Nitrogen-enriched hierarchically porous carbon nanofiber network as a binder-free electrode for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2017, 246, 606-614.	5.2	34
7	Nitrogen-doped graphitic hierarchically porous carbon nanofibers obtained via bimetallic-coordination organic framework modification and their application in supercapacitors. <i>Dalton Transactions</i> , 2018, 47, 7316-7326.	3.3	27
8	Facile Synthesis of Ultra-high-Surface-Area Hollow Carbon Nanospheres and their Application in Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 1988-1997.	3.3	27
9	Facile and tailored synthesis of ultra-high-surface-area clews of carbon nanobelts for high-rate lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23209-23220.	10.3	24
10	Facile synthesis of 2D ultrathin and ultra-high specific surface hierarchical porous carbon nanosheets for advanced energy storage. <i>Carbon</i> , 2019, 155, 674-685.	10.3	18
11	Facile synthesis of high-surface-area nanoporous carbon from biomass resources and its application in supercapacitors. <i>RSC Advances</i> , 2018, 8, 1857-1865.	3.6	16
12	Enhanced Cr(VI) reduction in biocathode microbial electrolysis cell using Fenton-derived ferric sludge. <i>Water Research</i> , 2022, 212, 118144.	11.3	16
13	A Universal Strategy To Prepare Sulfur-Containing Polymer Composites with Desired Morphologies for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22002-22012.	8.0	14
14	Nitrogen-doped micropores binder-free carbon-sulphur composites as the cathode for long-life lithium-sulphur batteries. <i>Materials Letters</i> , 2018, 231, 159-162.	2.6	13
15	High-performance supercapacitors based on hierarchically porous carbons with a three-dimensional conductive network structure. <i>Dalton Transactions</i> , 2019, 48, 5271-5284.	3.3	10
16	CoSe ₂ /Co nanoheteroparticles embedded in Co, N co-doped carbon nanopolyhedra/nanotubes as an efficient oxygen bifunctional electrocatalyst for Zn-air batteries. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4722-4732.	4.9	10
17	The formation mechanisms of porous silicon prepared from dense silicon monoxide. <i>RSC Advances</i> , 2017, 7, 7990-7995.	3.6	9
18	Cost-efficient microbial electrosynthesis of hydrogen peroxide on a facile-prepared floating electrode by entrapping oxygen. <i>Bioresource Technology</i> , 2021, 342, 125995.	9.6	9

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19	Evolving mechanism of organotemplate-free hierarchical FAU zeolites with house-of-card-like structures. <i>Chemical Communications</i> , 2018, 54, 9821-9824.	4.1	7
20	Optimized Synthesis of Ultrahigh-Surface-Area and Oxygen-Doped Carbon Nanobelts for High Cycle-Stability Lithium-Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A3464-A3473.	2.9	7
21	Random Occupation of Multimetal Sites in Transition Metal-Organic Frameworks for Boosting the Oxygen Evolution Reaction. <i>Chemistry - A European Journal</i> , 2022, , .	3.3	7
22	Facile Synthesis of Nitrogen and Oxygen Co-Doped Clews of Carbon Nanobelts for Supercapacitors with Excellent Rate Performance. <i>Materials</i> , 2018, 11, 556.	2.9	4
23	NiCoFe alloy multishell hollow spheres with lattice distortion to trigger efficient hydrogen evolution in acidic medium. <i>Sustainable Energy and Fuels</i> , 2019, 3, 3310-3317.	4.9	4
24	Cobalt and nitrogen doped porous carbon nanofibers as an efficient electrocatalyst for high performance oxygen reduction reaction. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 7596-7605.	2.2	4
25	Improving the low-rate stability of lithium-sulfur battery through the coating of conductive polymer. <i>Ionics</i> , 2021, 27, 3887-3893.	2.4	4
26	In-situ synthesis of atomic Co-N _x sites in holey hollow carbon nanospheres for efficiency oxygen reduction reaction electrocatalyst. <i>Journal of Alloys and Compounds</i> , 2022, 912, 165022.	5.5	4