Yuechao Yao

List of Publications by Year
in descending order

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26	537	687363 13	642732 23
papers	citations	h-index	g-index

26	26	26	712
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Random Occupation of Multimetal Sites in Transition Metalâ€Organic Frameworks for Boosting the Oxygen Evolution Reaction. Chemistry - A European Journal, 2022, , .	3.3	7
2	Enhanced Cr(VI) reduction in biocathode microbial electrolysis cell using Fenton-derived ferric sludge. Water Research, 2022, 212, 118144.	11.3	16
3	Janus Hollow Nanofiber with Bifunctional Oxygen Electrocatalyst for Rechargeable Znâ€“Air Battery. Small, 2022, 18, e2200578.	10.0	48
4	In-situ synthesis of atomic Co-Nx sites in holey hollow carbon nanospheres for efficiency oxygen reduction reaction electrocatalyst. Journal of Alloys and Compounds, 2022, 912, 165022.	5.5	4
5	Improving the low-rate stability of lithium-sulfur battery through the coating of conductive polymer. Ionics, 2021, 27, 3887-3893.	2.4	4
6	Multi-heteroatom-doped hollow carbon tubes as robust electrocatalysts for the oxygen reduction reaction, oxygen and hydrogen evolution reaction. Chemical Engineering Journal, 2021, 418, 129321.	12.7	61
7	Cost-efficient microbial electrosynthesis of hydrogen peroxide on a facile-prepared floating electrode by entrapping oxygen. Bioresource Technology, 2021, 342, 125995.	9.6	9
8	CoSe₂/Co nanoheteroparticles embedded in Co, N co-doped carbon nanopolyhedra/nanotubes as an efficient oxygen bifunctional electrocatalyst for Znâ€“air batteries. Sustainable Energy and Fuels, 2020, 4, 4722-4732.	4.9	10
9	Cobalt and nitrogen doped porous carbon nanofibers as an efficient electrocatalyst for high performance oxygen reduction reaction. Journal of Materials Science: Materials in Electronics, 2020, 31, 7596-7605.	2.2	4
10	NiCoFe oxide amorphous nanohetrostructres for oxygen evolution reaction. International Journal of Hydrogen Energy, 2019, 44, 22991-23001.	7.1	39
11	Optimized Synthesis of Ultrahigh-Surface-Area and Oxygen-Doped Carbon Nanobelts for High Cycle-Stability Lithium-Sulfur Batteries. Journal of the Electrochemical Society, 2019, 166, A3464-A3473.	2.9	7
12	Facile synthesis of 2D ultrathin and ultrahigh specific surface hierarchical porous carbon nanosheets for advanced energy storage. Carbon, 2019, 155, 674-685.	10.3	18
13	High-performance supercapacitors based on hierarchically porous carbons with a three-dimensional conductive network structure. Dalton Transactions, 2019, 48, 5271-5284.	3.3	10
14	NiCoFe alloy multishell hollow spheres with lattice distortion to trigger efficient hydrogen evolution in acidic medium. Sustainable Energy and Fuels, 2019, 3, 3310-3317.	4.9	4
15	Ultrahigh-content nitrogen-decorated nanoporous carbon derived from metal organic frameworks and its application in supercapacitors. Electrochimica Acta, 2018, 271, 599-607.	5.2	65
16	Facile synthesis of high-surface-area nanoporous carbon from biomass resources and its application in supercapacitors. RSC Advances, 2018, 8, 1857-1865.	3.6	16
17	Nitrogen-doped graphitic hierarchically porous carbon nanofibers obtained via bimetallic-coordination organic framework modification and their application in supercapacitors. Dalton Transactions, 2018, 47, 7316-7326.	3.3	27
18	Facile Synthesis of Ultrahighâ€Surfaceâ€Area Hollow Carbon Nanospheres and their Application in Lithiumâ€Sulfur Batteries. Chemistry - A European Journal, 2018, 24, 1988-1997.	3.3	27

#	Article	IF	Citations
19	Facile Synthesis of Nitrogen and Oxygen Co-Doped Clews of Carbon Nanobelts for Supercapacitors with Excellent Rate Performance. Materials, 2018, 11, 556.	2.9	4
20	Nitrogen-doped micropores binder-free carbon-sulphur composites as the cathode for long-life lithium-sulphur batteries. Materials Letters, 2018, 231, 159-162.	2.6	13
21	Evolving mechanism of organotemplate-free hierarchical FAU zeolites with house-of-card-like structures. Chemical Communications, 2018, 54, 9821-9824.	4.1	7
22	A Universal Strategy To Prepare Sulfur-Containing Polymer Composites with Desired Morphologies for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 22002-22012.	8.0	14
23	The formation mechanisms of porous silicon prepared from dense silicon monoxide. RSC Advances, 2017, 7, 7990-7995.	3.6	9
24	A composite of hollow carbon nanospheres and sulfur-rich polymers for lithium-sulfur batteries. Journal of Power Sources, 2017, 357, 11-18.	7.8	56
25	Facile and tailored synthesis of ultrahigh-surface-area clews of carbon nanobelts for high-rate lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 23209-23220.	10.3	24
26	Nitrogen-enriched hierarchically porous carbon nanofiber network as a binder-free electrode for high-performance supercapacitors. Electrochimica Acta, 2017, 246, 606-614.	5.2	34