

Hui Xu

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

869
citations

687363

13
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713466

21
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docs citations

23
times ranked

1065
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in transition-metal (Zn, Mn, Cu)-based MOFs and their derivatives for anode of lithium-ion batteries. <i>Coordination Chemistry Reviews</i> , 2020, 410, 213221.	18.8	141
2	<i>In Situ</i> Synthesis of Multilayer Carbon Matrix Decorated with Copper Particles: Enhancing the Performance of Si as Anode for Li-Ion Batteries. <i>ACS Nano</i> , 2019, 13, 3054-3062.	14.6	135
3	Novel constructive self-healing binder for silicon anodes with high mass loading in lithium-ion batteries. <i>Energy Storage Materials</i> , 2021, 38, 121-129.	18.0	102
4	A green-synthetic spiderweb-like Si@Graphene-oxide anode material with multifunctional citric acid binder for high energy-density Li-ion batteries. <i>Carbon</i> , 2020, 157, 330-339.	10.3	90
5	A robust hierarchical 3D Si/CNTs composite with void and carbon shell as Li-ion battery anodes. <i>Chemical Engineering Journal</i> , 2019, 360, 974-981.	12.7	78
6	Three-dimensional interconnected porous graphitic carbon derived from rice straw for high performance supercapacitors. <i>Journal of Power Sources</i> , 2018, 384, 270-277.	7.8	62
7	Synthesis of porous carbon nano-onions derived from rice husk for high-performance supercapacitors. <i>Applied Surface Science</i> , 2019, 488, 593-599.	6.1	57
8	The influence of pH on particle packing in YSZ coatings electrophoretically deposited from a non-aqueous suspension. <i>Journal of the European Ceramic Society</i> , 2010, 30, 1105-1114.	5.7	38
9	Preparation of glass-infiltrated 3Y-TZP/Al ₂ O ₃ /glass composites. <i>Materials Letters</i> , 2004, 58, 1750-1753.	2.6	25
10	Novel construction of nanostructured carbon materials as sulfur hosts for advanced lithium-sulfur batteries. <i>International Journal of Energy Research</i> , 2020, 44, 70-91.	4.5	25
11	Study of machinable silicon carbide-boron nitride ceramic composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 483-484, 214-217.	5.6	19
12	<i>Hericium erinaceus</i> -like Copper-Based MOFs as Anodes for High Performance Lithium Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 11400-11407.	5.1	19
13	Flower-like carbon with embedded silicon nano particles as an anode material for Li-ion batteries. <i>RSC Advances</i> , 2017, 7, 30032-30037.	3.6	17
14	A novel multi-functional binder based on double dynamic bonds for silicon anode of lithium-ion batteries. <i>Electrochimica Acta</i> , 2022, 425, 140620.	5.2	13
15	The synergetic effects of a multifunctional citric acid and rice husk derived honeycomb carbon matrix on a silicon anode for high-performance lithium ion batteries. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2583-2592.	4.9	12
16	Micro-structured Si@Cu ₃ Si@C ternary composite anodes for high-performance Li-ion batteries. <i>Ionics</i> , 2019, 25, 4667-4673.	2.4	9
17	Low-Cost Synthetic Honeycomb-like Carbon Derived from Cotton as a Sulfur Host for the Enhanced Electrochemical Performances of Lithium-Sulfur Batteries. <i>Energy & Fuels</i> , 2020, 34, 13096-13103.	5.1	8
18	Direct laser writing of pure lignin on carbon cloth for highly flexible supercapacitors with enhanced areal capacitance. <i>Sustainable Energy and Fuels</i> , 2021, 5, 3744-3754.	4.9	8

#	ARTICLE	IF	CITATIONS
19	Encapsulating silicon into conjugated N-doped carbon with multifunctional citric acid binder for lithium-ion battery. <i>Solid State Ionics</i> , 2022, 376, 115857.	2.7	5
20	An Investigation of Process Parameters for Electrophoretic Deposition of Yttria-Stabilized Zirconia Using Design of Experiments. <i>International Journal of Applied Ceramic Technology</i> , 2011, 8, 1320-1333.	2.1	3
21	Cotton as a sustainable source of CuxO/C anode for high-performance Li-ion battery. <i>Ionics</i> , 2019, 25, 2519-2524.	2.4	2
22	pH Effect on Electrophoretic Deposition in Non-Aqueous Suspensions and Sintering of YSZ Coatings. <i>Key Engineering Materials</i> , 0, 412, 165-170.	0.4	1
23	Monitoring Constrained Sintering of YSZ Coatings Using Fluorescence Spectroscopy and Micro-Hardness. <i>Key Engineering Materials</i> , 0, 412, 177-182.	0.4	0