

Runyu Yan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/785320/publications.pdf>

Version: 2024-02-01

13
papers

652
citations

840776

11
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

983
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward the Experimental Understanding of the Energy Storage Mechanism and Ion Dynamics in Ionic Liquid Based Supercapacitors. <i>Advanced Energy Materials</i> , 2018, 8, 1800026.	19.5	122
2	Understanding the Charge Storage Mechanism to Achieve High Capacity and Fast Ion Storage in Sodium-Ion Capacitor Anodes by Using Electrospun Nitrogen-Doped Carbon Fibers. <i>Advanced Functional Materials</i> , 2019, 29, 1902858.	14.9	79
3	Breaking the Limits of Ionic Liquid-Based Supercapacitors: Mesoporous Carbon Electrodes Functionalized with Manganese Oxide Nanosplotches for Dense, Stable, and Wide-Temperature Energy Storage. <i>Advanced Functional Materials</i> , 2018, 28, 1801298.	14.9	75
4	A Micromolding Method for Transparent and Flexible Thin-Film Supercapacitors and Hybrid Supercapacitors. <i>Advanced Functional Materials</i> , 2020, 30, 2004410.	14.9	70
5	Ultrathin 2D Graphitic Carbon Nitride on Metal Films: Underpotential Sodium Deposition in Adlayers for Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9067-9073.	13.8	68
6	Solvent mediated morphology control of zinc MOFs as carbon templates for application in supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23521-23530.	10.3	61
7	Porous nitrogen-doped carbon/carbon nanocomposite electrodes enable sodium ion capacitors with high capacity and rate capability. <i>Nano Energy</i> , 2020, 67, 104240.	16.0	56
8	Ordered Mesoporous Carbons with High Micropore Content and Tunable Structure Prepared by Combined Hard and Salt Templating as Electrode Materials in Electric Double-Layer Capacitors. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700128.	5.3	46
9	Storing electricity as chemical energy: beyond traditional electrochemistry and double-layer compression. <i>Energy and Environmental Science</i> , 2018, 11, 3069-3074.	30.8	33
10	Electrospun Carbon Fibers Replace Metals as a Current Collector in Supercapacitors. <i>ACS Applied Energy Materials</i> , 2019, 2, 5724-5733.	5.1	18
11	Effects of Carbon Pore Size on the Contribution of Ionic Liquid Electrolyte Phase Transitions to Energy Storage in Supercapacitors. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	13
12	Ultrathin 2D Graphitic Carbon Nitride on Metal Films: Underpotential Sodium Deposition in Adlayers for Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2020, 132, 9152-9158.	2.0	10
13	Towards stable and high-capacity anode materials for sodium-ion batteries by embedding of Sb/Sn nanoparticles into electrospun mesoporous carbon fibers. <i>Electrochemical Science Advances</i> , 0, , e2100010.	2.8	1