

Wen-Cheng Du

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,390
citations

394421

19
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

3528
citing authors

#	ARTICLE	IF	CITATIONS
1	Enable commercial Zinc powders for dendrite-free Zinc anode with improved utilization rate by pristine graphene hybridization. <i>Energy Storage Materials</i> , 2022, 45, 465-473.	18.0	76
2	Interlayer Chemistry of Layered Electrode Materials in Energy Storage Devices. <i>Advanced Functional Materials</i> , 2021, 31, 2007358.	14.9	28
3	Mixed-valence Copper Selenide as an Anode for Ultralong Lifespan Rocking-chair Zn-ion Batteries: An Insight into its Intercalation/Extraction Kinetics and Charge Storage Mechanism. <i>Advanced Functional Materials</i> , 2021, 31, 2005092.	14.9	76
4	High-voltage Zinc-ion Batteries: Design Strategies and Challenges. <i>Advanced Functional Materials</i> , 2021, 31, 2010213.	14.9	123
5	Graphene oxide in aqueous and nonaqueous media: Dispersion behaviour and solution chemistry. <i>Carbon</i> , 2020, 158, 568-579.	10.3	50
6	Two-dimensional Germanium Sulfide Nanosheets as an Ultra-stable and High Capacity Anode for Lithium Ion Batteries. <i>Chemistry - A European Journal</i> , 2020, 26, 6554-6560.	3.3	13
7	Challenges in the material and structural design of zinc anode towards high-performance aqueous zinc-ion batteries. <i>Energy and Environmental Science</i> , 2020, 13, 3330-3360.	30.8	576
8	Rational-design of polyaniline cathode using proton doping strategy by graphene oxide for enhanced aqueous zinc-ion batteries. <i>Journal of Power Sources</i> , 2020, 450, 227716.	7.8	71
9	Pristine graphene for advanced electrochemical energy applications. <i>Journal of Power Sources</i> , 2019, 437, 226899.	7.8	31
10	Efficient room-temperature production of high-quality graphene by introducing removable oxygen functional groups to the precursor. <i>Chemical Science</i> , 2019, 10, 1244-1253.	7.4	51
11	Robust graphene composite films for multifunctional electrochemical capacitors with an ultrawide range of areal mass loading toward high-rate frequency response and ultrahigh specific capacitance. <i>Energy and Environmental Science</i> , 2018, 11, 559-565.	30.8	119
12	Transparent Polymeric Strain Sensors for Monitoring Vital Signs and Beyond. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3895-3901.	8.0	85
13	High-quality graphene films and nitrogen-doped organogels prepared from the organic dispersions of graphene oxide. <i>Carbon</i> , 2018, 129, 15-20.	10.3	18
14	Organic dispersions of graphene oxide with arbitrary concentrations and improved chemical stability. <i>Chemical Communications</i> , 2017, 53, 11005-11007.	4.1	20
15	Sulfur Confined in Sub-nanometer-sized Graphene Interlayers and Its Electrochemical Behavior in Lithium-Sulfur Batteries. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2690-2694.	3.3	25
16	Reshaping Lithium Plating/Stripping Behavior via Bifunctional Polymer Electrolyte for Room-Temperature Solid Li Metal Batteries. <i>Journal of the American Chemical Society</i> , 2016, 138, 15825-15828.	13.7	399
17	Wet Chemistry Synthesis of Multidimensional Nanocarbon-Sulfur Hybrid Materials with Ultrahigh Sulfur Loading for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3584-3590.	8.0	108
18	A simple and practical route to prepare useable pristine graphene for electrochemical applications. <i>Chemical Engineering Journal</i> , 2015, 262, 658-664.	12.7	20

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19	Fast electron transfer kinetics on electrodes composed of graphene oxide "patched"™ with direct exfoliated pristine graphene nanosheets. <i>Chemical Physics Letters</i> , 2014, 595-596, 1-5.	2.6	8
20	Hydrothermal reduction of three-dimensional graphene oxide for binder-free flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10830.	10.3	107
21	A surfactant-free water-processable all-carbon composite and its application to supercapacitor. <i>Electrochimica Acta</i> , 2014, 146, 353-358.	5.2	23
22	From graphite to graphene: direct liquid-phase exfoliation of graphite to produce single- and few-layered pristine graphene. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10592.	10.3	255
23	Organic salt-assisted liquid-phase exfoliation of graphite to produce high-quality graphene. <i>Chemical Physics Letters</i> , 2013, 568-569, 198-201.	2.6	108