

Ze Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5362911/publications.pdf>

Version: 2024-02-01

54
papers

2,160
citations

218592

26
h-index

233338

45
g-index

54
all docs

54
docs citations

54
times ranked

2535
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Entropy Spinel Oxide Nanofibers as Catalytic Sulfur Hosts Promise the High Gravimetric and Volumetric Capacities for Lithium-Sulfur Batteries. <i>Energy and Environmental Materials</i> , 2022, 5, 645-654.	7.3	69
2	Near-infrared responsive sulfur vacancy-rich CuS nanosheets for efficient antibacterial activity via synergistic photothermal and photodynamic pathways. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2896-2906.	5.0	43
3	High edge-nitrogen-doped porous carbon nanosheets with rapid pseudocapacitive mechanism for boosted potassium-ion storage. <i>Carbon</i> , 2022, 187, 302-309.	5.4	18
4	Recent advances in biological applications of nanomaterials through defect engineering. <i>Science of the Total Environment</i> , 2022, 816, 151647.	3.9	4
5	Enhanced chemisorption and catalytic conversion of polysulfides via CoFe@NC nanocubes modified separator for superior Li-S batteries. <i>Chemical Engineering Journal</i> , 2022, 433, 133792.	6.6	26
6	Design, synthesis, and insecticidal evaluation of novel anthranilic diamides of <i>N</i> -pyridylpyrazole derivatives containing <i>S</i> -thioethers. <i>Journal of Heterocyclic Chemistry</i> , 2022, 59, 820-831.	1.4	3
7	Design, synthesis and biological activity of diamide compounds based on <i>S</i> -substituent of the pyrazole ring. <i>Pest Management Science</i> , 2022, 78, 2022-2033.	1.7	18
8	Electronic Structure Modulation of Ag ₂ S by Vacancy Engineering for Efficient Bacterial Infection. <i>Small</i> , 2022, 18, e2107807.	5.2	6
9	In Situ Constructing a Stable Solid Electrolyte Interface by Multifunctional Electrolyte Additive to Stabilize Lithium Metal Anodes for Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17959-17967.	4.0	14
10	Efficient photothermal and photodynamic synergistic antibacterial therapy of Cu ₇ S ₄ nanosheets regulated by facet engineering. <i>Journal of Hazardous Materials</i> , 2022, 432, 128662.	6.5	25
11	A dual-regulation strategy of B/N codoped CNT-encapsulated Ni nanoparticles as a catalytic host and separator coating promises high-performance Li-S batteries. <i>Science China Technological Sciences</i> , 2022, 65, 1567-1577.	2.0	2
12	Poly(vinylidene fluoride) Modified Commercial Paper as a Separator with Enhanced Thermal Stability and Electrolyte Affinity for Lithium-ion Battery. <i>Energy and Environmental Materials</i> , 2021, 4, 664-670.	7.3	25
13	Needle-like cobalt phosphide arrays grown on carbon fiber cloth as a binder-free electrode with enhanced lithium storage performance. <i>Chinese Chemical Letters</i> , 2021, 32, 154-157.	4.8	15
14	Self-templated synthesis of hollow hierarchical porous olive-like carbon toward universal high-performance alkali (Li, Na, K)-ion storage. <i>Carbon</i> , 2021, 174, 317-324.	5.4	30
15	Ultrathin Nanosheet-Assembled Flowerlike NiSe ₂ Catalyst Boosts Sulfur Redox Reaction Kinetics for Li-S Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 3431-3438.	2.5	14
16	Highly Stable LiI/Active Graphene Composite Cathodes for Efficient Lithium-Iodine Batteries. <i>Journal of the Electrochemical Society</i> , 2021, 168, 040522.	1.3	5
17	Co-W bimetallic carbides as sulfur host for high-performance lithium-sulfur batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16577-16588.	1.1	3
18	Vacancy-Enhanced Photothermal Killing of Bacteria Mediated by Graphene Oxide. <i>ACS Applied Bio Materials</i> , 2021, 4, 5661-5668.	2.3	9

#	ARTICLE	IF	CITATIONS
19	Tunable 2D tremella-derived carbon nanosheets with enhanced pseudocapacitance behavior for ultrafast potassium-ion storage. <i>Science China Technological Sciences</i> , 2021, 64, 2047-2056.	2.0	9
20	Less is more: biological effects of NiSe ₂ /rGO nanocomposites with low dose provide new insight for risk assessment. <i>Journal of Hazardous Materials</i> , 2021, 415, 125605.	6.5	5
21	Aramid nanofiber reinforced cellulose paper for high-safety lithium-ion batteries. <i>Cellulose</i> , 2021, 28, 10579-10588.	2.4	7
22	SnS Nanosheets for Rapid and Effective Bacteria Sterilization Under Near-Infrared Irradiation. <i>Chemistry - A European Journal</i> , 2021, 27, 15434-15439.	1.7	7
23	Areca-inspired core-shell structured MnO@C composite towards enhanced lithium-ion storage. <i>Carbon</i> , 2021, 184, 706-713.	5.4	19
24	The synergistic effect of enhanced photocatalytic activity and photothermal effect of oxygen-deficient Ni/reduced graphene oxide nanocomposite for rapid disinfection under near-infrared irradiation. <i>Journal of Hazardous Materials</i> , 2021, 419, 126462.	6.5	33
25	Surface-seeding secondary growth for CoO@Co ₉ S ₈ P-N heterojunction hollow nanocube encapsulated into graphene as superior anode toward lithium ion storage. <i>Chemical Engineering Journal</i> , 2021, 425, 130648.	6.6	37
26	Facile Synthesis of a "Two-in-One" Sulfur Host Featuring Metallic-Cobalt-Embedded N-Doped Carbon Nanotubes for Efficient Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5968-5978.	4.0	52
27	Neurotoxicity of Mn ₃ O ₄ nanoparticles: Apoptosis and dopaminergic neurons damage pathway. <i>Ecotoxicology and Environmental Safety</i> , 2020, 188, 109909.	2.9	22
28	Vacancy-induced toxicity of CoSe ₂ nanomaterials in rat lung macrophages. <i>Nanotoxicology</i> , 2020, 14, 968-984.	1.6	7
29	Novel agaric-derived olive-like yolk-shell structured MnO@C composites for superior lithium storage. <i>Chemical Communications</i> , 2020, 56, 13201-13204.	2.2	17
30	Recyclable cobalt-molybdenum bimetallic carbide modified separator boosts the polysulfide adsorption-catalysis of lithium sulfur battery. <i>Science China Materials</i> , 2020, 63, 2443-2455.	3.5	69
31	Harmonizing the Electronic Structures on BiOI with Active Oxygen Vacancies toward Facet-Dependent Antibacterial Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2020, 30, 2004108.	7.8	56
32	Agaric-assisted synthesis of core-shell MnO@C microcubes as super-high- volumetric-capacity anode for lithium-ion batteries. <i>Carbon</i> , 2020, 162, 36-45.	5.4	43
33	Boosting the polysulfide confinement in B/N-codoped hierarchically porous carbon nanosheets via Lewis acid-base interaction for stable Li-S batteries. <i>Journal of Energy Chemistry</i> , 2020, 51, 90-100.	7.1	38
34	PDA modified commercial paper separator engineering with excellent lithiophilicity and mechanical strength for lithium metal batteries. <i>Journal of Electroanalytical Chemistry</i> , 2020, 868, 114195.	1.9	20
35	Efficient Polysulfide Redox Enabled by Lattice-Distorted Ni ₃ Fe Intermetallic Electrocatalyst-Modified Separator for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19572-19580.	4.0	72
36	Two for One: A Biomass Strategy for Simultaneous Synthesis of MnO ₂ Microcubes and Porous Carbon Microcubes for High Performance Asymmetric Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6333-6342.	3.2	13

#	ARTICLE	IF	CITATIONS
37	Sulfur/nickel ferrite composite as cathode with high-volumetric-capacity for lithium-sulfur battery. <i>Science China Materials</i> , 2019, 62, 74-86.	3.5	86
38	Cobalt-Tungsten Bimetallic Carbide Nanoparticles as Efficient Catalytic Material for High-Performance Lithium-Sulfur Batteries. <i>ChemSusChem</i> , 2019, 12, 4866-4873.	3.6	32
39	In-built template synthesis of hierarchical porous carbon microcubes from biomass toward electrochemical energy storage. <i>Carbon</i> , 2019, 155, 1-8.	5.4	48
40	Renewable agaric-based hierarchically porous cocoon-like MnO/Carbon composites enable high-energy and high-rate Li-ion batteries. <i>Electrochimica Acta</i> , 2019, 322, 134757.	2.6	22
41	A Chemical Blowing Strategy to Fabricate Biomass-Derived Carbon-Aerogels with Graphene-Like Nanosheet Structures for High-Performance Supercapacitors. <i>ChemSusChem</i> , 2019, 12, 2462-2470.	3.6	53
42	Manganese Monoxide/Biomass-Inherited Porous Carbon Nanostructure Composite Based on the High Water-Absorbent Agaric for Asymmetric Supercapacitor. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4284-4294.	3.2	45
43	Rational design of intertwined carbon nanotubes threaded porous CoP@carbon nanocubes as anode with superior lithium storage. <i>Carbon</i> , 2019, 142, 269-277.	5.4	58
44	Chemosensitization effect of cerium oxide nanosheets by suppressing drug detoxification and efflux. <i>Ecotoxicology and Environmental Safety</i> , 2019, 167, 301-308.	2.9	13
45	Molten-Salt-Assisted Synthesis of Hierarchical Porous MnO@Biocarbon Composites as Promising Electrode Materials for Supercapacitors and Lithium-Ion Batteries. <i>ChemSusChem</i> , 2019, 12, 283-290.	3.6	42
46	Highly sulfiphilic Ni-Fe bimetallic oxide nanoparticles anchored on carbon nanotubes enable effective immobilization and conversion of polysulfides for stable lithium-sulfur batteries. <i>Carbon</i> , 2019, 142, 32-39.	5.4	78
47	Free-Standing Porous Carbon Nanofiber/Carbon Nanotube Film as Sulfur Immobilizer with High Areal Capacity for Lithium-Sulfur Battery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8749-8757.	4.0	129
48	Lithiophilic gel polymer electrolyte to stabilize the lithium anode for a quasi-solid-state lithium-sulfur battery. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18627-18634.	5.2	69
49	Multi-channel FeP@C octahedra anchored on reduced graphene oxide nanosheet with efficient performance for lithium-ion batteries. <i>Carbon</i> , 2018, 139, 477-485.	5.4	75
50	Ultrathin and Strong Electrospun Porous Fiber Separator. <i>ACS Applied Energy Materials</i> , 2018, 1, 4794-4803.	2.5	32
51	A High-Efficiency Sulfur/Carbon Composite Based on 3D Graphene Nanosheet@Carbon Nanotube Matrix as Cathode for Lithium-Sulfur Battery. <i>Advanced Energy Materials</i> , 2017, 7, 1602543.	10.2	363
52	Porous Carbon Paper as Interlayer to Stabilize the Lithium Anode for Lithium-Sulfur Battery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31684-31694.	4.0	83
53	Encapsulating sulfur into a hybrid porous carbon/CNT substrate as a cathode for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6827-6834.	5.2	73
54	Cobalt-Catalyzed Intermolecular Hydroamination of Unactivated Alkenes Using NFSI as Nitrogen Source. <i>Chinese Journal of Chemistry</i> , 0, , .	2.6	4