Fenyun Yi

List of Publications by Year
in descending order

27 papers	708 citations	471509 17 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	638 citing authors

#	Article	IF	Citations
1	Boosting the energy density of supercapacitors by designing both hollow NiO nanoparticles/nitrogen-doped carbon cathode and nitrogen-doped carbon anode from the same precursor. Chemical Engineering Journal, 2022, 431, 134083.	12.7	62
2	Dual-Functional Tungsten Boosted Lithium-Ion Diffusion and Structural Integrity of LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ Cathodes for High Performance Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2022, 10, 50-60.	6.7	7
3	Graphene Quantum Dots Pinned on Nanosheetsâ€Assembled NiCoâ€LDH Hollow Microâ€Tunnels: Toward Highâ€Performance Pouchâ€Type Supercapacitor via the Regulated Electron Localization. Small, 2022, 18, e2201286.	10.0	48
4	Defect-Engineered 3D Cross-Network Co₃O_{4â€“x}N_x Nanostructure for High-Performance Solid-State Asymmetric Supercapacitors. ACS Applied Energy Materials, 2021, 4, 888-898.	5.1	15
5	Supramolecular assisted fabrication of Mn3O4 anchored nitrogen-doped reduced graphene oxide and its distinctive electrochemical activation process during supercapacitive study. Electrochimica Acta, 2021, 370, 137739.	5.2	15
6	Nest-like N-doped hierarchical porous active carbon formed by sacrifice template for enhanced supercapacitor. Ionics, 2021, 27, 4461-4471.	2.4	4
7	Metal organic framework derived hollow NiS@C with S-vacancies to boost high-performance supercapacitors. Chemical Engineering Journal, 2021, 419, 129643.	12.7	77
8	Promoting high-energy supercapacitor performance over NiCoP/N-doped carbon hybrid hollow nanocages via rational architectural and electronic modulation. Applied Surface Science, 2021, 569, 151098.	6.1	31
9	Urchin-like NiCo₂O₄ hollow microspheres with oxygen vacancies synthesized by self-template for supercapacitor. New Journal of Chemistry, 2021, 45, 22748-22757.	2.8	22
10	Interfacial electrostatic self-assembly in water-in-oil microemulsion assisted synthesis of Li4Ti5O12/Graphene for lithium-ion-batteries. Journal of Alloys and Compounds, 2020, 819, 153018.	5.5	18
11	Hollow N-doped carbon @ O-vacancies NiCo2O4 nanocages with a built-in electric field as high-performance cathodes for hybrid supercapacitor. Electrochimica Acta, 2020, 364, 137260.	5.2	42
12	Supramolecular-induced confining methylene blue in three-dimensional reduced graphene oxide for high-performance supercapacitors. Journal of Power Sources, 2020, 475, 228554.	7.8	34
13	Preparation of Single-Atom Ag-Decorated MnO₂ Hollow Microspheres by Redox Etching Method for High-Performance Solid-State Asymmetric Supercapacitors. ACS Applied Energy Materials, 2020, 3, 10192-10201.	5.1	22
14	Holey graphene/MnO ₂ nanosheets with open ion channels for highâ€performance solidâ€state asymmetric supercapacitors. International Journal of Energy Research, 2020, 44, 3446-3457.	4.5	10
15	Layered molybdenum disulfide coated carbon hollow spheres synthesized through supramolecular selfâ€assembly applied to supercapacitors. International Journal of Energy Research, 2020, 44, 7082-7092.	4.5	14
16	Investigation on the pseudocapacitive charge storage mechanism of MnO2 in various electrolytes by electrochemical quartz crystal microbalance (EQCM). Ionics, 2019, 25, 2393-2399.	2.4	4
17	In-situ N/S Co-doping three-dimensional succulent-like hierarchical carbon assisted by supramolecular polymerization for high-performance supercapacitors. Electrochimica Acta, 2019, 319, 410-422.	5.2	40
18	Anchoring ultrafine Co3O4 grains on reduced oxide graphene by dual-template nanocasting strategy for high-energy solid state supercapacitor. Electrochimica Acta, 2019, 326, 134965.	5.2	35

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19	Supermolecule Self-Assembly Promoted Porous N, P Co-Doped Reduced Graphene Oxide for High Energy Density Supercapacitors. ACS Applied Energy Materials, 2019, 2, 4084-4091.	5.1	45
20	In Situ Supramolecular Self-Assembly Assisted Synthesis of Li₄Ti₅O₁₂â€“Carbon-Reduced Graphene Oxide Microspheres for Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 916-924.	6.7	23
21	Supermolecule polymerization derived porous nitrogen-doped reduced graphene oxide as a high-performance electrode material for supercapacitors. Electrochimica Acta, 2018, 292, 20-30.	5.2	36
22	Reaction Mechanisms of Sodiumâ€Ion Batteries under Various Charge and Discharge Conditions in a Threeâ€Electrode Setup. ChemElectroChem, 2018, 5, 2475-2481.	3.4	4
23	Preparation of 3D Reduced Graphene Oxide/MnO₂ Nanocomposites through a Vacuumâ€Impregnation Method and Their Electrochemical Capacitive Behavior. ChemElectroChem, 2017, 4, 1088-1094.	3.4	27
24	Preparation of Lithium Titanate/Reduced Graphene Oxide Composites with Three-Dimensional â€œFishnet-Likeâ€•Conductive Structure via a Gas-Foaming Method for High-Rate Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 42883-42892.	8.0	25
25	Supramolecule-Inspired Fabrication of Carbon Nanoparticles In Situ Anchored Graphene Nanosheets Material for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 26775-26782.	8.0	39
26	An Ultrasensitive Immunosensor for the Detection of Carcinoembryonic Antigens Utilizing a Nb-Doped Titanium Dioxide Nanocomposite Film. Nano, 2015, 10, 1550060.	1.0	6
27	Performance of Solid Oxide Fuel Cell With La and Cr Co-Doped SrTiO3 as Anode. Journal of Fuel Cell Science and Technology, 2014, 11, 0310061-310064.	0.8	3