

Fenyun Yi

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Metal organic framework derived hollow NiS@C with S-vacancies to boost high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 419, 129643.	12.7	77
2	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. <i>Chemical Engineering Journal</i> , 2022, 431, 134083.	12.7	62
3	Graphene Quantum Dots Pinned on Nanosheetsâ€Assembled NiCoâ€LDH Hollow Microâ€Tunnels: Toward Highâ€Performance Pouchâ€Type Supercapacitor via the Regulated Electron Localization. <i>Small</i> , 2022, 18, e2201286.	10.0	48
4	Supermolecule Self-Assembly Promoted Porous N, P Co-Doped Reduced Graphene Oxide for High Energy Density Supercapacitors. <i>ACS Applied Energy Materials</i> , 2019, 2, 4084-4091.	5.1	45
5	Hollow N-doped carbon @ O-vacancies NiCo ₂ O ₄ nanocages with a built-in electric field as high-performance cathodes for hybrid supercapacitor. <i>Electrochimica Acta</i> , 2020, 364, 137260.	5.2	42
6	In-situ N/S Co-doping three-dimensional succulent-like hierarchical carbon assisted by supramolecular polymerization for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2019, 319, 410-422.	5.2	40
7	Supramolecule-Inspired Fabrication of Carbon Nanoparticles In Situ Anchored Graphene Nanosheets Material for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26775-26782.	8.0	39
8	Supermolecule polymerization derived porous nitrogen-doped reduced graphene oxide as a high-performance electrode material for supercapacitors. <i>Electrochimica Acta</i> , 2018, 292, 20-30.	5.2	36
9	Anchoring ultrafine Co ₃ O ₄ grains on reduced oxide graphene by dual-template nanocasting strategy for high-energy solid state supercapacitor. <i>Electrochimica Acta</i> , 2019, 326, 134965.	5.2	35
10	Supramolecular-induced confining methylene blue in three-dimensional reduced graphene oxide for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2020, 475, 228554.	7.8	34
11	Promoting high-energy supercapacitor performance over NiCoP/N-doped carbon hybrid hollow nanocages via rational architectural and electronic modulation. <i>Applied Surface Science</i> , 2021, 569, 151098.	6.1	31
12	Preparation of 3D Reduced Graphene Oxide/MnO ₂ Nanocomposites through a Vacuumâ€Impregnation Method and Their Electrochemical Capacitive Behavior. <i>ChemElectroChem</i> , 2017, 4, 1088-1094.	3.4	27
13	Preparation of Lithium Titanate/Reduced Graphene Oxide Composites with Three-Dimensional â€Fishnet-Likeâ€Conductive Structure via a Gas-Foaming Method for High-Rate Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42883-42892.	8.0	25
14	In Situ Supramolecular Self-Assembly Assisted Synthesis of Li ₄ Ti ₅ O ₁₂ â€Carbon-Reduced Graphene Oxide Microspheres for Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 916-924.	6.7	23
15	Preparation of Single-Atom Ag-Decorated MnO ₂ Hollow Microspheres by Redox Etching Method for High-Performance Solid-State Asymmetric Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020, 3, 10192-10201.	5.1	22
16	Urchin-like NiCo ₂ O ₄ hollow microspheres with oxygen vacancies synthesized by self-template for supercapacitor. <i>New Journal of Chemistry</i> , 2021, 45, 22748-22757.	2.8	22
17	Interfacial electrostatic self-assembly in water-in-oil microemulsion assisted synthesis of Li ₄ Ti ₅ O ₁₂ /Graphene for lithium-ion-batteries. <i>Journal of Alloys and Compounds</i> , 2020, 819, 153018.	5.5	18
18	Defect-Engineered 3D Cross-Network Co ₃ O ₄ â€N<i>x</i>/sub> Nanostructure for High-Performance Solid-State Asymmetric Supercapacitors. <i>ACS Applied Energy Materials</i> , 2021, 4, 888-898.	5.1	15

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19	Supramolecular assisted fabrication of Mn ₃ O ₄ anchored nitrogen-doped reduced graphene oxide and its distinctive electrochemical activation process during supercapacitive study. <i>Electrochimica Acta</i> , 2021, 370, 137739.	5.2	15
20	Layered molybdenum disulfide coated carbon hollow spheres synthesized through supramolecular self-assembly applied to supercapacitors. <i>International Journal of Energy Research</i> , 2020, 44, 7082-7092.	4.5	14
21	Holey graphene/MnO ₂ nanosheets with open ion channels for high-performance solid-state asymmetric supercapacitors. <i>International Journal of Energy Research</i> , 2020, 44, 3446-3457.	4.5	10
22	Dual-Functional Tungsten Boosted Lithium-Ion Diffusion and Structural Integrity of LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ Cathodes for High Performance Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 50-60.	6.7	7
23	An Ultrasensitive Immunosensor for the Detection of Carcinoembryonic Antigens Utilizing a Nb-Doped Titanium Dioxide Nanocomposite Film. <i>Nano</i> , 2015, 10, 1550060.	1.0	6
24	Reaction Mechanisms of Sodium-Ion Batteries under Various Charge and Discharge Conditions in a Three-Electrode Setup. <i>ChemElectroChem</i> , 2018, 5, 2475-2481.	3.4	4
25	Investigation on the pseudocapacitive charge storage mechanism of MnO ₂ in various electrolytes by electrochemical quartz crystal microbalance (EQCM). <i>Ionics</i> , 2019, 25, 2393-2399.	2.4	4
26	Nest-like N-doped hierarchical porous active carbon formed by sacrifice template for enhanced supercapacitor. <i>Ionics</i> , 2021, 27, 4461-4471.	2.4	4
27	Performance of Solid Oxide Fuel Cell With La and Cr Co-Doped SrTiO ₃ as Anode. <i>Journal of Fuel Cell Science and Technology</i> , 2014, 11, 0310061-310064.	0.8	3