

Yu Yang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82
papers

3,005
citations

31
h-index

54
g-index

85
ext. papers

3,558
ext. citations

8.2
avg, IF

5.56
L-index

#	Paper	IF	Citations
82	Polydimethylsiloxane-decorated magnetic cellulose nanofiber composite for highly efficient oil-water separation. <i>Carbohydrate Polymers</i> , 2022 , 277, 118787	10.3	3
81	Rational Design of Li-Wicking Hosts for Ultrafast Fabrication of Flexible and Stable Lithium Metal Anodes. <i>Small</i> , 2021 , e2105308	11	6
80	Small Things Make a Big Difference: the Small-molecule Cross-linker of Robust Water-soluble Network Binders for Stable Si Anodes. <i>Chemical Research in Chinese Universities</i> , 2021 , 37, 304-310	2.2	1
79	Water-based dual-network conductive polymer binders for high-performance LiS batteries. <i>Electrochimica Acta</i> , 2021 , 371, 137822	6.7	3
78	In Situ-Cross-linked Supramolecular Eco-Binders for Improved Capacity and Stability of Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 3803-3811	6.1	3
77	Vanadium Nitride Quantum Dots/Holey Graphene Matrix Boosting Adsorption and Conversion Reaction Kinetics for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30746-30755	9.5	4
76	S, O dual-doped porous carbon derived from activation of waste papers as electrodes for high performance lithium ion capacitors. <i>Nanoscale Advances</i> , 2021 , 3, 738-746	5.1	2
75	The controlled synthesis of V-doped MoS ₂ -Ni _x S _y hollow nanospheres and their electrocatalytic performance in hydrogen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 698-703	5.8	3
74	Metal chelation based supramolecular self-assembly enables a high-performance organic anode for lithium ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 413, 127525	14.7	3
73	Morphology regulation of Ga particles from ionic liquids and their lithium storage properties. <i>New Journal of Chemistry</i> , 2021 , 45, 4408-4413	3.6	2
72	Porous structure O-rich carbon nanotubes as anode material for sodium-ion batteries. <i>Ionics</i> , 2021 , 27, 667-675	2.7	0
71	Preparation of 3D Printed Chitosan/Polyvinyl Alcohol Double Network Hydrogel Scaffolds. <i>Macromolecular Bioscience</i> , 2021 , 21, e2000398	5.5	12
70	Natural Cocoons Enabling Flexible and Stable Fabric Lithium-Sulfur Full Batteries. <i>Nano-Micro Letters</i> , 2021 , 13, 84	19.5	11
69	Vegetable Oil-Based Waterborne Polyurethane as Eco-Binders for Sulfur Cathodes in Lithium-Sulfur Batteries. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100342	4.8	0
68	Hyperporous magnetic catalyst foam for highly efficient and stable adsorption and reduction of aqueous organic contaminants. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126622	12.8	1
67	Co-electrodeposited Al-Ga composite electrode from ionic liquid with volume expansion adaptability in energy storage. <i>Materials Letters</i> , 2021 , 303, 130484	3.3	0
66	Electrodeposition of a continuous, dendrite-free aluminum film from an ionic liquid and its electrochemical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 9937-9945	2.1	6

65	Additive Functionalization and Embroidery for Manufacturing Wearable and Washable Textile Supercapacitors. <i>Advanced Functional Materials</i> , 2020 , 30, 1910541	15.6	32
64	Water-Based Dual-Cross-Linked Polymer Binders for High-Energy-Density Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29316-29323	9.5	3
63	Compressible nanowood/polymer composite adsorbents for wastewater purification applications. <i>Composites Science and Technology</i> , 2020 , 198, 108320	8.6	10
62	Improved dielectric properties of PVDF nanocomposites with core-shell structured BaTiO ₃ @polyurethane nanoparticles. <i>IET Nanodielectrics</i> , 2020 , 3, 94-98	2.8	10
61	Hierarchical structure N, O-co-doped porous carbon/carbon nanotube composite derived from coal for supercapacitors and CO ₂ capture. <i>Nanoscale Advances</i> , 2020 , 2, 878-887	5.1	19
60	Mo, Co co-doped NiS bulks supported on Ni foam as an efficient electrocatalyst for overall water splitting in alkaline media. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 1654-1664	5.8	10
59	Soft Hybrid Scaffold (SHS) Strategy for Realization of Ultrahigh Energy Density of Wearable Aqueous Supercapacitors. <i>Advanced Materials</i> , 2020 , 32, e1907088	24	31
58	Self-Healing Double-Cross-Linked Supramolecular Binders of a Polyacrylamide-Grafted Soy Protein Isolate for LiS Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12799-12808	8.3	18
57	Low-Cost and Environmentally Friendly Biopolymer Binders for LiS Batteries. <i>Macromolecules</i> , 2020 , 53, 8539-8547	5.5	7
56	Unique Cd _{1-x} ZnxS@WO ₃ and Cd _{1-x} ZnxS@WO ₃ /CoOx/NiOx Z-scheme photocatalysts for efficient visible-light-induced H ₂ evolution. <i>Science China Materials</i> , 2020 , 63, 75-90	7.1	10
55	An efficient polymer coating for highly acid-stable zeolitic imidazolate frameworks based composite sponges. <i>Journal of Hazardous Materials</i> , 2020 , 382, 121057	12.8	14
54	FeIII chelated organic anode with ultrahigh rate performance and ultra-long cycling stability for lithium-ion batteries. <i>Energy Storage Materials</i> , 2020 , 24, 432-438	19.4	13
53	A universal cross-linking binding polymer composite for ultrahigh-loading Li-ion battery electrodes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 9693-9700	13	15
52	Water-based phytic acid-crosslinked supramolecular binders for lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2020 , 395, 124981	14.7	25
51	Ultralight, robustly compressible and super-hydrophobic biomass-decorated carbonaceous melamine sponge for oil/water separation with high oil retention. <i>Applied Surface Science</i> , 2019 , 489, 922-929	6.7	38
50	Freestanding Lamellar Porous Carbon Stacks for Low-Temperature-Foldable Supercapacitors. <i>Small</i> , 2019 , 15, e1902071	11	27
49	A robust aqueous-processable polymer binder for long-life, high-performance lithium sulfur battery. <i>Energy Storage Materials</i> , 2019 , 21, 61-68	19.4	35
48	Photoinduced healing of polyolefin dielectrics enabled by surface plasmon resonance of gold nanoparticles. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47158	2.9	1

47	Flexible polyimides through one-pot synthesis as water-soluble binders for silicon anodes in lithium ion batteries. <i>Journal of Power Sources</i> , 2018 , 379, 26-32	8.9	42
46	Lithiophilic Co/Co ₄ N nanoparticles embedded in hollow N-doped carbon nanocubes stabilizing lithium metal anodes for Li ^{air} batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 22096-22105	13	36
45	A Quadruple-Hydrogen-Bonded Supramolecular Binder for High-Performance Silicon Anodes in Lithium-Ion Batteries. <i>Small</i> , 2018 , 14, e1801189	11	117
44	Template-free growth of coral-like Ge nanorod bundles via UV-assisted ionic liquid electrodeposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 14105-14110	2.1	3
43	Improved performances of lithium-ion batteries using intercalated a-Si-Ag thin film layers as electrodes.. <i>RSC Advances</i> , 2018 , 8, 41404-41414	3.7	8
42	Glycinamide modified polyacrylic acid as high-performance binder for silicon anodes in lithium-ion batteries. <i>Journal of Power Sources</i> , 2018 , 406, 102-109	8.9	42
41	Aqueous-processable polymer binder with strong mechanical and polysulfide-trapping properties for high performance of lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18660-18668	13	38
40	Enhanced storage capability by biomass-derived porous carbon for lithium-ion and sodium-ion battery anodes. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 2358-2365	5.8	28
39	Spontaneous repairing liquid metal/Si nanocomposite as a smart conductive-additive-free anode for lithium-ion battery. <i>Nano Energy</i> , 2018 , 50, 359-366	17.1	64
38	Dielectric Elastomer Generator with Improved Energy Density and Conversion Efficiency Based on Polyurethane Composites. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5237-5243	9.5	53
37	Waterproof, Ultrahigh Areal-Capacitance, Wearable Supercapacitor Fabrics. <i>Advanced Materials</i> , 2017 , 29, 1606679	24	249
36	Enhanced positive temperature coefficient behavior of the high-density polyethylene composites with multi-dimensional carbon fillers and their use for temperature-sensing resistors. <i>RSC Advances</i> , 2017 , 7, 11338-11344	3.7	28
35	Plasticized thermoplastic polyurethanes for dielectric elastomers with improved electromechanical actuation. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45123	2.9	5
34	Self-Healing Materials for Next-Generation Energy Harvesting and Storage Devices. <i>Advanced Energy Materials</i> , 2017 , 7, 1700890	21.8	147
33	UV-assisted, template-free electrodeposition of germanium nanowire cluster arrays from an ionic liquid for anodes in lithium-ion batteries. <i>New Journal of Chemistry</i> , 2017 , 41, 15210-15215	3.6	9
32	Rational selection of amorphous or crystalline VO cathode for sodium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 25645-25654	3.6	41
31	Pickering high internal phase emulsion-based hydroxyapatite-poly(ϵ -caprolactone) nanocomposite scaffolds. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 3848-3857	7.3	48
30	Fabrication of Graphene-Based Xerogels for Removal of Heavy Metal Ions and Capacitive Deionization. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 1056-1065	8.3	90

29	MoS ₂ armored polystyrene particles with a narrow size distribution via membrane-assisted Pickering emulsions for monolayer-shelled liquid marbles. <i>RSC Advances</i> , 2015 , 5, 80424-80427	3.7	
28	Nanocomposite porous scaffolds for bone tissue engineering by emulsion templating. <i>Journal of Controlled Release</i> , 2015 , 213, e127	11.7	3
27	Oil Absorbents Based on Melamine/Lignin by a Dip Adsorbing Method. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 3012-3018	8.3	86
26	Redox responsive diselenide colloidosomes templated from Pickering emulsions for drug release. <i>Journal of Controlled Release</i> , 2015 , 213, e119-20	11.7	6
25	Novel Nanocomposite Hydrogels Consisting of C-Dots with Excellent Mechanical Properties. <i>Macromolecular Materials and Engineering</i> , 2015 , 300, 1043-1048	3.9	31
24	Multilayer composite microcapsules synthesized by Pickering emulsion templates and their application in self-healing coating. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13749-13757	13	108
23	Functional nanoparticle-decorated graphene oxide sheets as stabilizers for Pickering high internal phase emulsions and graphene oxide based foam monoliths. <i>RSC Advances</i> , 2015 , 5, 103394-103402	3.7	27
22	Facile fabrication of graphene/poly pyrrole/Mn composites as high-performance electrodes for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5866-5874	13	59
21	Facile Fabrication of Macroporous PLGA Microspheres via Double-Pickering Emulsion Templates. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 714-720	2.6	12
20	Multifunctional, robust sponges by a simple adsorption/combustion method. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5875-5881	13	56
19	Porous Ag/polymer composite microspheres for adsorption and catalytic degradation of organic dyes in aqueous solutions. <i>Composites Science and Technology</i> , 2015 , 107, 137-144	8.6	26
18	One-pot synthesis of photoluminescent carbon nanodots by carbonization of cyclodextrin and their application in Ag ⁺ detection. <i>RSC Advances</i> , 2014 , 4, 62446-62452	3.7	30
17	One-step synthesis of porous graphene-based hydrogels containing oil droplets for drug delivery. <i>RSC Advances</i> , 2014 , 4, 3211-3218	3.7	27
16	Preparation and magnetic properties of Fe ₂ O ₃ @SiO ₂ core shell ellipsoids with different aspect ratios. <i>New Journal of Chemistry</i> , 2014 , 38, 4351	3.6	18
15	Facile fabrication of poly(L-lactic acid)-grafted hydroxyapatite/poly(lactic-co-glycolic acid) scaffolds by Pickering high internal phase emulsion templates. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 17166-75	9.5	99
14	Multifunctional foams derived from poly(melamine formaldehyde) as recyclable oil absorbents. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9994-9999	13	115
13	Nitrogen-rich and fire-resistant carbon aerogels for the removal of oil contaminants from water. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 6351-60	9.5	154
12	Renewable Lignin-Based Xerogels with Self-Cleaning Properties and Superhydrophobicity. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 1729-1733	8.3	88

11	Nitrogen-doped graphene composites as efficient electrodes with enhanced capacitive deionization performance. <i>RSC Advances</i> , 2014 , 4, 63189-63199	3.7	36
10	Versatile fabrication of nanocomposite microcapsules with controlled shell thickness and low permeability. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2495-502	9.5	78
9	Synergistic stabilization and tunable structures of Pickering high internal phase emulsions by nanoparticles and surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 436, 1-9	5.1	63
8	Lignin-based Pickering HIPEs for macroporous foams and their enhanced adsorption of copper(II) ions. <i>Chemical Communications</i> , 2013 , 49, 7144-6	5.8	120
7	Facile, controlled, large scale fabrication of novel capsule clusters. <i>RSC Advances</i> , 2013 , 3, 4514	3.7	14
6	Facile preparation of Artemisia argyi oil-loaded antibacterial microcapsules by hydroxyapatite-stabilized Pickering emulsion templating. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 112, 96-102	6	48
5	Capsule clusters fabricated by polymerization based on capsule-in-water-in-oil Pickering emulsions. <i>Polymer Chemistry</i> , 2013 , 4, 5407	4.9	27
4	Hierarchical porous polymeric microspheres as efficient adsorbents and catalyst scaffolds. <i>Chemical Communications</i> , 2013 , 49, 8761-3	5.8	56
3	Multihollow nanocomposite microspheres with tunable pore structures by templating Pickering double emulsions. <i>Reactive and Functional Polymers</i> , 2013 , 73, 1231-1241	4.6	26
2	Hollow magnetic Janus microspheres templated from double Pickering emulsions. <i>RSC Advances</i> , 2012 , 2, 5510	3.7	28
1	Alkaline lignin extracted from furfural residues for pH-responsive Pickering emulsions and their recyclable polymerization. <i>Green Chemistry</i> , 2012 , 14, 3230	10	136