

# Yijiang Liu

## List of Publications by Year in descending order

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52  
papers

2,719  
citations

201674

27  
h-index

182427

51  
g-index

52  
all docs

52  
docs citations

52  
times ranked

3565  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen and nitrogen co-doped porous carbon nanosheets derived from <i>Perilla frutescens</i> for high volumetric performance supercapacitors. <i>Journal of Power Sources</i> , 2017, 341, 309-317.	7.8	408
2	Doping and ion substitution in colloidal metal halide perovskite nanocrystals. <i>Chemical Society Reviews</i> , 2020, 49, 4953-5007.	38.1	269
3	Graphene-like porous carbon nanosheets derived from <i>salvia splendens</i> for high-rate performance supercapacitors. <i>Journal of Power Sources</i> , 2018, 397, 1-10.	7.8	194
4	Efficient triphenylamine dyes for solar cells: Effects of alkyl-substituents and $\pi$ -conjugated thiophene unit. <i>Dyes and Pigments</i> , 2009, 83, 187-197.	3.7	118
5	Promising porous carbons derived from lotus seedpods with outstanding supercapacitance performance. <i>Electrochimica Acta</i> , 2016, 208, 55-63.	5.2	118
6	A ZIF-triggered rapid polymerization of dopamine renders Co/N-codoped cage-in-cage porous carbon for highly efficient oxygen reduction and evolution. <i>Nano Energy</i> , 2021, 79, 105487.	16.0	99
7	Dual-Shelled Multidoped Hollow Carbon Nanocages with Hierarchical Porosity for High-Performance Oxygen Reduction Reaction in Both Alkaline and Acidic Media. <i>Nano Letters</i> , 2020, 20, 5639-5645.	9.1	98
8	Thiophene-linked porphyrin derivatives for dye-sensitized solar cells. <i>Chemical Communications</i> , 2009, , 2499.	4.1	97
9	Rechargeable Zn <sup>2+</sup> Air Batteries with Outstanding Cycling Stability Enabled by Ultrafine FeNi Nanoparticles-Encapsulated N-Doped Carbon Nanosheets as a Bifunctional Electrocatalyst. <i>Nano Letters</i> , 2021, 21, 3098-3105.	9.1	95
10	Oxygen and nitrogen co-doped porous carbons with finely-layered schistose structure for high-rate-performance supercapacitors. <i>Carbon</i> , 2017, 122, 538-546.	10.3	91
11	Polar Organic Solvent-Tolerant Perovskite Nanocrystals Permanently Ligated with Polymer Hairs via Star-like Molecular Bottlebrush Trilobe Nanoreactors. <i>Nano Letters</i> , 2019, 19, 9019-9028.	9.1	70
12	MnO <sub>2</sub> Nanostructures Deposited on Graphene-Like Porous Carbon Nanosheets for High-Rate Performance and High-Energy Density Asymmetric Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3101-3110.	6.7	66
13	Preparation of Janus-type catalysts and their catalytic performance at emulsion interface. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 357-364.	9.4	61
14	Polymer-Ligated Nanocrystals Enabled by Nonlinear Block Copolymer Nanoreactors: Synthesis, Properties, and Applications. <i>ACS Nano</i> , 2020, 14, 12491-12521.	14.6	59
15	Synthesis and characterization of porphyrin-terthiophene and oligothiophene $\pi$ -conjugated copolymers for polymer solar cells. <i>European Polymer Journal</i> , 2010, 46, 1084-1092.	5.4	56
16	Synthesis and photovoltaic properties of polythiophene stars with porphyrin core. <i>Journal of Materials Chemistry</i> , 2010, 20, 1140-1146.	6.7	56
17	Flexible responsive Janus nanosheets. <i>Chemical Communications</i> , 2015, 51, 3562-3565.	4.1	56
18	Porous N-Doped Carbon Prepared from Triazine-Based Polypyrrole Network: A Highly Efficient Metal-Free Catalyst for Oxygen Reduction Reaction in Alkaline Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 28615-28623.	8.0	47

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19	Recent advances in scalable synthesis and performance of Janus polymer/inorganic nanocomposites. <i>Progress in Materials Science</i> , 2022, 124, 100888.	32.8	47
20	A novel polymer gel electrolyte based on cyanoethylated cellulose for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2012, 80, 219-226.	5.2	44
21	The structural modification of thiophene-linked porphyrin sensitizers for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2011, 88, 75-83.	3.7	41
22	A dual-function colorimetric probe based on Carbazole-Cyanine dyad for highly sensitive recognition of cyanide and hypochlorous acid in aqueous media. <i>Talanta</i> , 2019, 202, 329-335.	5.5	38
23	Bamboo-like, oxygen-doped carbon tubes with hierarchical pore structure derived from polymer tubes for supercapacitor applications. <i>Journal of Materials Science</i> , 2017, 52, 7781-7793.	3.7	35
24	Porphyrins modified with a low-band-gap chromophore for dye-sensitized solar cells. <i>Organic Electronics</i> , 2012, 13, 560-569.	2.6	33
25	A novel "turn-on" fluorescence probe based on azoaniline-arylimidazole dyad for the detection of Cu <sup>2+</sup> . <i>Dyes and Pigments</i> , 2017, 142, 293-299.	3.7	32
26	A novel "turn-on" fluorescent probe based on triphenylimidazole-hemicyanine dyad for colorimetric detection of CN <sup>-</sup> in 100% aqueous solution. <i>Journal of Hazardous Materials</i> , 2018, 344, 875-882.	12.4	32
27	A new "on-off-on" fluorescent probe containing triarylimidazole chromophore to sequentially detect copper and sulfide ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 185, 256-262.	3.9	31
28	Stimuli-responsive Janus mesoporous nanosheets towards robust interfacial emulsification and catalysis. <i>Materials Horizons</i> , 2020, 7, 3242-3249.	12.2	29
29	Preparation of Au@silica Janus nanosheets and their catalytic application. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 529, 613-620.	4.7	27
30	Preparation of SiO <sub>2</sub> @TiO <sub>2</sub> composite nanosheets and their application in photocatalytic degradation of malachite green at emulsion interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 582, 123858.	4.7	27
31	A highly selective fluorescent probe for colorimetric recognition of cyanide anion based on heptamethine cyanine-triphenylamine conjugate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 151-158.	3.9	26
32	In-situ self-templating synthesis of 3D hierarchical porous carbons from oxygen-bridged porous organic polymers for high-performance supercapacitors. <i>Nano Research</i> , 2022, 15, 7759-7768.	10.4	25
33	Near-infrared chemodosimetric probes based on heptamethine cyanine dyes for the "naked-eye" detection of cyanide in aqueous media. <i>Journal of Luminescence</i> , 2017, 185, 286-291.	3.1	18
34	N-doped and N/Fe-codoped porous carbon spheres derived from tetrazine-based polypyrrole as efficient electrocatalysts for the oxygen reduction reaction. <i>Applied Catalysis A: General</i> , 2018, 559, 102-111.	4.3	18
35	Polymeric Janus Nanosheets by Template RAFT Polymerization. <i>Macromolecules</i> , 2017, 50, 9042-9047.	4.8	16
36	Nitrogen/Cobalt Co-doped Mesoporous Carbon Microspheres Derived from Amorphous Metal-Organic Frameworks as a Catalyst for the Oxygen Reduction Reaction in Both Alkaline and Acidic Electrolytes. <i>ChemElectroChem</i> , 2019, 6, 2546-2552.	3.4	15

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37	Flexible Solid-State Supercapacitor with High Energy Density Enabled by N/B/O-Codoped Porous Carbon Nanoparticles and Imidazolium-Based Gel Polymer Electrolyte. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5548-5558.	6.7	13
38	Nitrogen and iron codoped porous carbon spheres derived from tetrazine-based polyindole as efficient catalyst for oxygen reduction reaction in acidic electrolytes. <i>Journal of Power Sources</i> , 2019, 434, 226738.	7.8	12
39	Flexible Solid-State Supercapacitors with Outstanding Capacitive Performance Enabled by N/B-Codoped Porous Carbon Nanosheets. <i>ACS Applied Energy Materials</i> , 2021, 4, 7552-7561.	5.1	12
40	Janus colloidal copolymers. <i>Science China Materials</i> , 2015, 58, 961-968.	6.3	10
41	A Porous Organic Poly(triphenylimidazole) Decorated with Palladium Nanoparticles for the Cyanation of Aryl Iodides. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2708-2713.	3.3	10
42	Synthesis and photovoltaic properties of the copolymers containing zinc porphyrin derivatives as pendant groups. <i>Synthetic Metals</i> , 2017, 223, 205-211.	3.9	9
43	Novel fluorescent probe bearing triarylimidazole and pyridine moieties for the rapid and naked-eye recognition of Cu <sup>2+</sup> . <i>Tetrahedron Letters</i> , 2018, 59, 108-112.	1.4	9
44	Janus nanosheets by emulsion interfacial crosslinking of reactive surfactants. <i>Colloid and Polymer Science</i> , 2015, 293, 2609-2615.	2.1	8
45	Amine/acid composite Janus nanosheets. <i>Science China Materials</i> , 2015, 58, 126-131.	6.3	7
46	Surface ligand engineering renders tube-like perovskite nanocrystal composites with outstanding polar organic solvent-tolerance and strong emission. <i>Chemical Engineering Journal</i> , 2022, 434, 133866.	12.7	7
47	Ultrastable highly-emissive amphiphilic perovskite nanocrystal composites via the synergy of polymer-grafted silica nanoreactor and surface ligand engineering for white light-emitting diode. <i>Nano Energy</i> , 2022, 98, 107321.	16.0	7
48	Benzoxazine monomers containing triphenylimidazole: Polymerization of monomers and properties of polybenzoxazines. <i>European Polymer Journal</i> , 2019, 121, 109347.	5.4	6
49	Iron-nickel alloy nanoparticles encapsulated in nitrogen-doped carbon nanotubes as efficient bifunctional electrocatalyst for rechargeable zinc-air batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 625, 278-288.	9.4	5
50	A highly sensitive chemosensor for rapid recognition of Cu <sup>2+</sup> and HSO <sub>3</sub> <sup>2-</sup> in 100% aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 263, 120215.	3.9	4
51	Facile crafting of ultralong N-doped carbon nanotube encapsulated with FeCo nanoparticles as bifunctional electrocatalyst for rechargeable zinc-air batteries. <i>Microporous and Mesoporous Materials</i> , 2022, 336, 111850.	4.4	4
52	Surface engineering of ZIF-L renders multidoped leaf-like porous carbon nanosheets for highly efficient oxygen reduction reaction in both alkaline and acidic media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129417.	4.7	4