

Junwen Qi

List of Publications by Year in descending order

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57
papers

2,966
citations

147801

31
h-index

168389

53
g-index

57
all docs

57
docs citations

57
times ranked

2688
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic framework-derived hollow Co ₃ O ₄ /carbon as efficient catalyst for peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2019, 363, 234-246.	12.7	229
2	Sandwich-like Co ₃ O ₄ /MXene composite with enhanced catalytic performance for Bisphenol A degradation. <i>Chemical Engineering Journal</i> , 2018, 347, 731-740.	12.7	217
3	Efficient Removal of Organic Pollutants by Metal-organic Framework Derived Co/C Yolk-Shell Nanoreactors: Size-Exclusion and Confinement Effect. <i>Environmental Science & Technology</i> , 2020, 54, 10289-10300.	10.0	193
4	Nitrogen-Doped Hollow Mesoporous Carbon Spheres for Efficient Water Desalination by Capacitive Deionization. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6635-6644.	6.7	157
5	Rational Regulation of Co-C Coordination for High-Efficiency Generation of ¹ O ₂ toward Nearly 100% Selective Degradation of Organic Pollutants. <i>Environmental Science & Technology</i> , 2022, 56, 8833-8843.	10.0	130
6	Tannic acid assisted interfacial polymerization based loose thin-film composite NF membrane for dye/salt separation. <i>Desalination</i> , 2020, 479, 114343.	8.2	126
7	Yolk-Shell Fe ₃ O ₄ @SiO ₂ Nanoparticles as Nanoreactors for Fenton-like Catalytic Reaction. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13167-13173.	8.0	95
8	Design of nitrogen-doped cluster-like porous carbons with hierarchical hollow nanoarchitecture and their enhanced performance in capacitive deionization. <i>Desalination</i> , 2018, 430, 45-55.	8.2	95
9	Macroscopic MOF Architectures: Effective Strategies for Practical Application in Water Treatment. <i>Small</i> , 2022, 18, e2104387.	10.0	94
10	N-doped Cu-MOFs for efficient electrochemical determination of dopamine and sulfanilamide. <i>Journal of Hazardous Materials</i> , 2020, 390, 122157.	12.4	93
11	Sequential Ultrafiltration-Catalysis Membrane for Excellent Removal of Multiple Pollutants in Water. <i>Environmental Science & Technology</i> , 2021, 55, 2652-2661.	10.0	87
12	Nitrogen, phosphorus co-doped eave-like hierarchical porous carbon for efficient capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12807-12817.	10.3	79
13	N-doped hierarchical porous carbon derived from hypercrosslinked diblock copolymer for capacitive deionization. <i>Separation and Purification Technology</i> , 2016, 165, 190-198.	7.9	77
14	Iron-tannic modified cotton derived FeO/graphitized carbon with enhanced catalytic activity for bisphenol A degradation. <i>Chemical Engineering Journal</i> , 2019, 372, 774-784.	12.7	71
15	Iron-copper bimetallic nanoparticles supported on hollow mesoporous silica spheres: an effective heterogeneous Fenton catalyst for orange II degradation. <i>RSC Advances</i> , 2015, 5, 69593-69605.	3.6	57
16	Synthesis of porous carbon beads with controllable pore structure for volatile organic compounds removal. <i>Chemical Engineering Journal</i> , 2017, 307, 989-998.	12.7	57
17	Nitrogen-enriched carbon sheet for Methyl blue dye adsorption. <i>Journal of Environmental Management</i> , 2018, 215, 123-131.	7.8	57
18	Large-Scale Synthesis of Biomass@MOF-Derived Porous Carbon/Cobalt Nanofiber for Environmental Remediation by Advanced Oxidation Processes. <i>ACS ES&T Engineering</i> , 2021, 1, 249-260.	7.6	52

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19	A phenolic resin-assisted strategy for MOF-derived hierarchical Co/N-doped carbon rhombic dodecahedra for electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5173-5178.	10.3	51
20	Controlled synthesis of bimetallic Prussian blue analogues to activate peroxymonosulfate for efficient bisphenol A degradation. <i>Journal of Hazardous Materials</i> , 2020, 387, 121701.	12.4	51
21	Nitrogen doped porous hollow carbon spheres for enhanced benzene removal. <i>Separation and Purification Technology</i> , 2017, 188, 112-118.	7.9	49
22	Porous carbon spheres for simultaneous removal of benzene and H ₂ S. <i>Chemical Engineering Journal</i> , 2018, 339, 499-508.	12.7	49
23	Modified hydrous zirconium oxide/PAN nanofibers for efficient defluoridation from groundwater. <i>Science of the Total Environment</i> , 2019, 685, 401-409.	8.0	49
24	Ag-doped hollow ZIFs-derived nanoporous carbon for efficient hybrid capacitive deionization. <i>Desalination</i> , 2020, 473, 114173.	8.2	46
25	Enhanced heterogeneous Fenton-like systems based on highly dispersed Fe ₀ -Fe ₂ O ₃ nanoparticles embedded ordered mesoporous carbon composite catalyst. <i>Environmental Pollution</i> , 2018, 243, 1068-1077.	7.5	43
26	Double-shelled hollow ZnO/carbon nanocubes as an efficient solid-phase microextraction coating for the extraction of broad-spectrum pollutants. <i>Nanoscale</i> , 2019, 11, 2805-2811.	5.6	43
27	Core-shell hybrid zeolitic imidazolate framework-derived hierarchical carbon for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14653-14660.	10.3	41
28	2D metal-organic framework derived hollow Co/NC carbon sheets for peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2022, 444, 136385.	12.7	36
29	Metal organic framework derived one-dimensional porous Fe/N-doped carbon nanofibers with enhanced catalytic performance. <i>Journal of Hazardous Materials</i> , 2021, 416, 126101.	12.4	34
30	Mechanism of peroxymonosulfate activation and the utilization efficiency using hollow (Co, Mn) ₃ O ₄ nanoreactor as an efficient catalyst for degradation of organic pollutants. <i>Environmental Research</i> , 2022, 207, 112148.	7.5	34
31	Synthesis of magnetic yolk-shell mesoporous carbon architecture for the effective adsorption of sulfamethazine drug. <i>Microporous and Mesoporous Materials</i> , 2018, 255, 110-118.	4.4	32
32	Synchronizing formation of polyamide with covalent organic frameworks towards thin film nanocomposite membrane with enhanced nanofiltration performance. <i>Journal of Membrane Science</i> , 2022, 646, 120253.	8.2	32
33	Enhancing nanofiltration performance by incorporating tannic acid modified metal-organic frameworks into thin-film nanocomposite membrane. <i>Environmental Research</i> , 2020, 191, 110215.	7.5	31
34	0D-1D hybrid nanoarchitectonics: tailored design of FeCo@C yolk-shell nanoreactors with dual sites for excellent Fenton-like catalysis. <i>Chemical Science</i> , 2021, 12, 15418-15422.	7.4	30
35	Defect-engineered UiO-66-NH ₂ modified thin film nanocomposite membrane with enhanced nanofiltration performance. <i>Chemical Communications</i> , 2020, 56, 8372-8375.	4.1	29
36	Low pressure operated ultrafiltration membrane with integration of hollow mesoporous carbon nanospheres for effective removal of micropollutants. <i>Journal of Hazardous Materials</i> , 2020, 397, 122779.	12.4	26

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37	Polyethersulfone enwrapped hydrous zirconium oxide nanoparticles for efficient removal of Pb(II) from aqueous solution. <i>Chemical Engineering Journal</i> , 2018, 349, 500-508.	12.7	25
38	Metal organic framework-derived hollow cactus-like carbon sheets for oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20162-20168.	10.3	25
39	Fabrication of ordered mesoporous carbon hollow fiber membranes via a confined soft templating approach. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4144-4149.	10.3	22
40	Large-pore ordered mesoporous carbon as solid-phase microextraction coating for analysis of polycyclic aromatic hydrocarbons from aqueous media. <i>Talanta</i> , 2019, 195, 647-654.	5.5	22
41	Enhanced removal for H ₂ S by Cu-ordered mesoporous carbon foam. <i>Journal of Hazardous Materials</i> , 2020, 396, 122710.	12.4	21
42	Spiderweb-Like Fe-Co Prussian Blue Analogue Nanofibers as Efficient Catalyst for Bisphenol-A Degradation by Activating Peroxymonosulfate. <i>Nanomaterials</i> , 2019, 9, 402.	4.1	20
43	Fabrication of polyvinylidene fluoride-derived porous carbon heterostructure with inserted carbon nanotube via phase-inversion coupled with annealing for capacitive deionization application. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 353-361.	9.4	18
44	Melamine derived nitrogen-doped carbon sheet for the efficient removal of chromium (VI). <i>Journal of Molecular Liquids</i> , 2020, 318, 114052.	4.9	18
45	Synthesis of Ag@SiO ₂ yolk-shell nanoparticles for hydrogen peroxide detection. <i>RSC Advances</i> , 2015, 5, 17372-17378.	3.6	17
46	Anchoring nanosized MOFs at the interface of porous millimeter beads and their enhanced adsorption mechanism for VOCs. <i>Journal of Cleaner Production</i> , 2022, 353, 131631.	9.3	13
47	Investigation of bromide removal and bromate minimization of membrane capacitive deionization for drinking water treatment. <i>Chemosphere</i> , 2021, 280, 130857.	8.2	12
48	Dicyandiamide-assisted HKUST-1 derived Cu/N-doped porous carbon nanoarchitecture for electrochemical detection of acetaminophen. <i>Environmental Research</i> , 2021, 201, 111500.	7.5	12
49	Veiled metal organic frameworks nanofillers for mixed matrix membranes with enhanced CO ₂ /CH ₄ separation performance. <i>Separation and Purification Technology</i> , 2021, 279, 119707.	7.9	12
50	Nanosized amine-rich spheres embedded polymeric beads for Cr (VI) removal. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 369-377.	9.4	11
51	Insights into the relationship of reactive oxygen species and anions in persulfate-based advanced oxidation processes for saline organic wastewater treatment. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 465-483.	2.4	11
52	A confinement approach to fabricate hybrid PBAs-derived FeCo@NC yolk-shell nanoreactors for bisphenol A degradation. <i>Chemical Engineering Journal</i> , 2022, 428, 131080.	12.7	8
53	Converting mesoporous polydopamine coated MIL-125 (Ti) to a core-shell heterostructure for efficient water desalination. <i>Environmental Science: Nano</i> , 2021, 8, 3536-3545.	4.3	7
54	Zeolitic imidazolate framework (ZIF-8)/polyacrylonitrile derived millimeter-sized hierarchical porous carbon beads for peroxydisulfate catalysis. <i>Environmental Research</i> , 2022, 206, 112618.	7.5	7

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55	Simultaneous elimination of multicomponent toxic industrial chemicals by Cu-carbon beads. Journal of Cleaner Production, 2019, 227, 1044-1053.	9.3	6
56	Hydrangea-like architectures composed of Zr-based metal-organic framework nanosheets with enhanced iodine capture. Dalton Transactions, 2021, 50, 16468-16472.	3.3	4
57	Efficient removal of tylosin by nitrogen-doped mesoporous carbon nanospheres with tunable pore sizes. Environmental Science and Pollution Research, 2020, 27, 30844-30852.	5.3	3