

Junwen Qi

List of Publications by Year in descending order

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57
papers

2,966
citations

147566

31
h-index

168136

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. | 6.6 | 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. | 6.6 | 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. | 4.6 | 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. | 3.2 | 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. | 4.6 | 130 |
| 6 | Tannic acid assisted interfacial polymerization based loose thin-film composite NF membrane for dye/salt separation. <i>Desalination</i> , 2020, 479, 114343. | 4.0 | 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. | 4.0 | 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. | 4.0 | 95 |
| 9 | Macroscopic MOF Architectures: Effective Strategies for Practical Application in Water Treatment. <i>Small</i> , 2022, 18, e2104387. | 5.2 | 94 |
| 10 | N-doped Cu-MOFs for efficient electrochemical determination of dopamine and sulfanilamide. <i>Journal of Hazardous Materials</i> , 2020, 390, 122157. | 6.5 | 93 |
| 11 | Sequential Ultrafiltration-Catalysis Membrane for Excellent Removal of Multiple Pollutants in Water. <i>Environmental Science & Technology</i> , 2021, 55, 2652-2661. | 4.6 | 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. | 5.2 | 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. | 3.9 | 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. | 6.6 | 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. | 1.7 | 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. | 6.6 | 57 |
| 17 | Nitrogen-enriched carbon sheet for Methyl blue dye adsorption. <i>Journal of Environmental Management</i> , 2018, 215, 123-131. | 3.8 | 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. | 3.7 | 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. | 5.2 | 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. | 6.5 | 51 |
| 21 | Nitrogen doped porous hollow carbon spheres for enhanced benzene removal. <i>Separation and Purification Technology</i> , 2017, 188, 112-118. | 3.9 | 49 |
| 22 | Porous carbon spheres for simultaneous removal of benzene and H ₂ S. <i>Chemical Engineering Journal</i> , 2018, 339, 499-508. | 6.6 | 49 |
| 23 | Modified hydrous zirconium oxide/PAN nanofibers for efficient defluoridation from groundwater. <i>Science of the Total Environment</i> , 2019, 685, 401-409. | 3.9 | 49 |
| 24 | Ag-doped hollow ZIFs-derived nanoporous carbon for efficient hybrid capacitive deionization. <i>Desalination</i> , 2020, 473, 114173. | 4.0 | 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. | 3.7 | 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. | 2.8 | 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. | 5.2 | 41 |
| 28 | 2D metal-organic framework derived hollow Co/NC carbon sheets for peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2022, 444, 136385. | 6.6 | 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. | 6.5 | 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. | 3.7 | 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. | 2.2 | 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. | 4.1 | 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. | 3.7 | 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. | 3.7 | 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. | 2.2 | 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. | 6.5 | 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. | 6.6 | 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. | 5.2 | 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. | 5.2 | 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. | 2.9 | 22 |
| 41 | Enhanced removal for H ₂ S by Cu-ordered mesoporous carbon foam. <i>Journal of Hazardous Materials</i> , 2020, 396, 122710. | 6.5 | 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. | 1.9 | 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. | 5.0 | 18 |
| 44 | Melamine derived nitrogen-doped carbon sheet for the efficient removal of chromium (VI). <i>Journal of Molecular Liquids</i> , 2020, 318, 114052. | 2.3 | 18 |
| 45 | Synthesis of Ag@SiO ₂ yolk-shell nanoparticles for hydrogen peroxide detection. <i>RSC Advances</i> , 2015, 5, 17372-17378. | 1.7 | 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. | 4.6 | 13 |
| 47 | Investigation of bromide removal and bromate minimization of membrane capacitive deionization for drinking water treatment. <i>Chemosphere</i> , 2021, 280, 130857. | 4.2 | 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. | 3.7 | 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. | 3.9 | 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. | 5.0 | 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. | 1.2 | 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. | 6.6 | 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. | 2.2 | 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. | 3.7 | 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. | 4.6 | 6 |
| 56 | Hydrangea-like architectures composed of Zr-based metal-organic framework nanosheets with enhanced iodine capture. Dalton Transactions, 2021, 50, 16468-16472. | 1.6 | 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. | 2.7 | 3 |