

Jianrong Chen

List of Publications by Year in descending order

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150
papers

10,997
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25014

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docs citations

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times ranked

10318
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A critical review of extracellular polymeric substances (EPSs) in membrane bioreactors: Characteristics, roles in membrane fouling and control strategies. <i>Journal of Membrane Science</i> , 2014, 460, 110-125. | 4.1 | 583 |
| 2 | A review on anaerobic membrane bioreactors: Applications, membrane fouling and future perspectives. <i>Desalination</i> , 2013, 314, 169-188. | 4.0 | 545 |
| 3 | Highly Luminescent N-doped Carbon Quantum Dots as an Effective Multifunctional Fluorescence Sensing Platform. <i>Chemistry - A European Journal</i> , 2014, 20, 2254-2263. | 1.7 | 407 |
| 4 | Si-Doped Carbon Quantum Dots: A Facile and General Preparation Strategy, Bioimaging Application, and Multifunctional Sensor. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 6797-6805. | 4.0 | 323 |
| 5 | Determination of cadmium, copper, lead and zinc in water samples by flame atomic absorption spectrometry after cloud point extraction. <i>Analytica Chimica Acta</i> , 2001, 450, 215-222. | 2.6 | 319 |
| 6 | Membrane Bioreactors for Industrial Wastewater Treatment: A Critical Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2012, 42, 677-740. | 6.6 | 256 |
| 7 | B-doped carbon quantum dots as a sensitive fluorescence probe for hydrogen peroxide and glucose detection. <i>Analyst</i> , 2014, 139, 2322-2325. | 1.7 | 252 |
| 8 | Determination of cadmium(II), cobalt(II), nickel(II), lead(II), zinc(II), and copper(II) in water samples using dual-cloud point extraction and inductively coupled plasma emission spectrometry. <i>Journal of Hazardous Materials</i> , 2012, 239-240, 206-212. | 6.5 | 231 |
| 9 | Membrane fouling in a membrane bioreactor: High filtration resistance of gel layer and its underlying mechanism. <i>Water Research</i> , 2016, 102, 82-89. | 5.3 | 209 |
| 10 | A unified thermodynamic mechanism underlying fouling behaviors of soluble microbial products (SMPs) in a membrane bioreactor. <i>Water Research</i> , 2019, 149, 477-487. | 5.3 | 203 |
| 11 | Carbon Quantum Dots-Based Recyclable Real-Time Fluorescence Assay for Alkaline Phosphatase with Adenosine Triphosphate as Substrate. <i>Analytical Chemistry</i> , 2015, 87, 2966-2973. | 3.2 | 201 |
| 12 | Facile synthesis of P-doped carbon quantum dots with highly efficient photoluminescence. <i>RSC Advances</i> , 2014, 4, 5465. | 1.7 | 190 |
| 13 | Surface functionalization of graphene quantum dots with small organic molecules from photoluminescence modulation to bioimaging applications: an experimental and theoretical investigation. <i>RSC Advances</i> , 2013, 3, 14571. | 1.7 | 189 |
| 14 | Determination of cobalt and nickel in water samples by flame atomic absorption spectrometry after cloud point extraction. <i>Analytica Chimica Acta</i> , 2001, 434, 325-330. | 2.6 | 181 |
| 15 | New insights into membrane fouling in a submerged anaerobic membrane bioreactor based on characterization of cake sludge and bulk sludge. <i>Bioresource Technology</i> , 2011, 102, 2373-2379. | 4.8 | 176 |
| 16 | Determination of lead in water samples by graphite furnace atomic absorption spectrometry after cloud point extraction. <i>Talanta</i> , 2005, 67, 992-996. | 2.9 | 169 |
| 17 | Mechanistic insights into alginate fouling caused by calcium ions based on terahertz time-domain spectra analyses and DFT calculations. <i>Water Research</i> , 2018, 129, 337-346. | 5.3 | 168 |
| 18 | Feasibility evaluation of submerged anaerobic membrane bioreactor for municipal secondary wastewater treatment. <i>Desalination</i> , 2011, 280, 120-126. | 4.0 | 160 |

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|----|--|------|-----------|
| 19 | A high-performance hybrid supercapacitor with NiO derived NiO@Ni-MOF composite electrodes. <i>Electrochimica Acta</i> , 2020, 340, 135956. | 2.6 | 157 |
| 20 | Inkjet printing of dopamine followed by UV light irradiation to modify mussel-inspired PVDF membrane for efficient oil-water separation. <i>Journal of Membrane Science</i> , 2021, 619, 118790. | 4.1 | 149 |
| 21 | Molecular Engineering toward Pyrrolic N-rich M ₄ (M = Cr, Mn, Fe, Co, Cu) Single-Atom Sites for Enhanced Heterogeneous Fenton-Like Reaction. <i>Advanced Functional Materials</i> , 2021, 31, 2007877. | 7.8 | 139 |
| 22 | Fouling mechanisms of gel layer in a submerged membrane bioreactor. <i>Bioresource Technology</i> , 2014, 166, 295-302. | 4.8 | 133 |
| 23 | Effects of hydrophilicity/hydrophobicity of membrane on membrane fouling in a submerged membrane bioreactor. <i>Bioresource Technology</i> , 2015, 175, 59-67. | 4.8 | 130 |
| 24 | Luminescent Nanoswitch Based on Organic-Phase Copper Nanoclusters for Sensitive Detection of Trace Amount of Water in Organic Solvents. <i>Analytical Chemistry</i> , 2016, 88, 7429-7434. | 3.2 | 122 |
| 25 | A new insight into membrane fouling mechanism in submerged membrane bioreactor: Osmotic pressure during cake layer filtration. <i>Water Research</i> , 2013, 47, 2777-2786. | 5.3 | 117 |
| 26 | A fluorometric assay for alkaline phosphatase activity based on β -cyclodextrin-modified carbon quantum dots through host-guest recognition. <i>Biosensors and Bioelectronics</i> , 2016, 83, 274-280. | 5.3 | 117 |
| 27 | Efficient degradation and mineralization of antibiotics via heterogeneous activation of peroxymonosulfate by using graphene supported single-atom Cu catalyst. <i>Chemical Engineering Journal</i> , 2020, 394, 124904. | 6.6 | 117 |
| 28 | Different fouling propensities of loosely and tightly bound extracellular polymeric substances (EPSs) and the related fouling mechanisms in a membrane bioreactor. <i>Chemosphere</i> , 2020, 255, 126953. | 4.2 | 112 |
| 29 | A conductive PVDF-Ni membrane with superior rejection, permeance and antifouling ability via electric assisted in-situ aeration for dye separation. <i>Journal of Membrane Science</i> , 2019, 581, 401-412. | 4.1 | 107 |
| 30 | Graphene π - π bridge in transferring hot electrons from plasmonic Ag nanocubes to TiO ₂ nanosheets for enhanced visible light photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 182-190. | 10.8 | 105 |
| 31 | Reversible Fluorescent Nanoswitch Based on Carbon Quantum Dots Nanoassembly for Real-Time Acid Phosphatase Activity Monitoring. <i>Analytical Chemistry</i> , 2015, 87, 7332-7339. | 3.2 | 103 |
| 32 | Effects of molecular weight distribution of soluble microbial products (SMPs) on membrane fouling in a membrane bioreactor (MBR): Novel mechanistic insights. <i>Chemosphere</i> , 2020, 248, 126013. | 4.2 | 97 |
| 33 | Enhanced visible-light-driven photocatalysis from WS ₂ quantum dots coupled to BiOCl nanosheets: synergistic effect and mechanism insight. <i>Catalysis Science and Technology</i> , 2018, 8, 201-209. | 2.1 | 95 |
| 34 | Highly efficient removal of chlorotetracycline from aqueous solution using graphene oxide/TiO ₂ composite: Properties and mechanism. <i>Applied Surface Science</i> , 2017, 425, 765-775. | 3.1 | 94 |
| 35 | New insights into bisphenols removal by nitrogen-rich nanocarbons: Synergistic effect between adsorption and oxidative degradation. <i>Journal of Hazardous Materials</i> , 2018, 345, 123-130. | 6.5 | 93 |
| 36 | Ultrahigh sorption and reduction of Cr(VI) by two novel core-shell composites combined with Fe ₃ O ₄ and MoS ₂ . <i>Journal of Hazardous Materials</i> , 2019, 379, 120797. | 6.5 | 87 |

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|----|--|-----|-----------|
| 37 | Quantification of interfacial energies associated with membrane fouling in a membrane bioreactor by using BP and GRNN artificial neural networks. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 1-10. | 5.0 | 86 |
| 38 | Thermodynamic analysis of membrane fouling in a submerged membrane bioreactor and its implications. <i>Bioresource Technology</i> , 2013, 146, 7-14. | 4.8 | 83 |
| 39 | Fabrication of CoFe ₂ O ₄ @graphene nanocomposite and its application in the magnetic solid phase extraction of sulfonamides from milk samples. <i>Talanta</i> , 2015, 144, 1279-1286. | 2.9 | 83 |
| 40 | Surface modification of polyvinylidene fluoride (PVDF) membrane via radiation grafting: novel mechanisms underlying the interesting enhanced membrane performance. <i>Scientific Reports</i> , 2017, 7, 2721. | 1.6 | 80 |
| 41 | Luminescent Aggregated Copper Nanoclusters Nanoswitch Controlled by Hydrophobic Interaction for Real-Time Monitoring of Acid Phosphatase Activity. <i>Analytical Chemistry</i> , 2016, 88, 11575-11583. | 3.2 | 79 |
| 42 | Realization of quantifying interfacial interactions between a randomly rough membrane surface and a foulant particle. <i>Bioresource Technology</i> , 2017, 226, 220-228. | 4.8 | 77 |
| 43 | Bridge engineering in photocatalysis and photoelectrocatalysis. <i>Nanoscale</i> , 2020, 12, 5764-5791. | 2.8 | 77 |
| 44 | Determination of manganese in water samples by flame atomic absorption spectrometry after cloud point extraction. <i>Analyst</i> , The, 2001, 126, 534-537. | 1.7 | 75 |
| 45 | A fluorometric assay for acetylcholinesterase activity and inhibitor screening with carbon quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 879-886. | 4.0 | 73 |
| 46 | Impact of resuscitation promoting factor (Rpf) in membrane bioreactor treating high-saline phenolic wastewater: Performance robustness and Rpf-responsive bacterial populations. <i>Chemical Engineering Journal</i> , 2019, 357, 715-723. | 6.6 | 73 |
| 47 | Sustainable biodegradation of phenol by immobilized <i>Bacillus</i> sp. SAS19 with porous carbonaceous gels as carriers. <i>Journal of Environmental Management</i> , 2018, 222, 185-189. | 3.8 | 68 |
| 48 | A novel strategy to develop antifouling and antibacterial conductive Cu/polydopamine/polyvinylidene fluoride membranes for water treatment. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 493-501. | 5.0 | 68 |
| 49 | Enhanced catalytic degradation of bisphenol A by hemin-MOFs supported on boron nitride via the photo-assisted heterogeneous activation of persulfate. <i>Separation and Purification Technology</i> , 2019, 229, 115822. | 3.9 | 68 |
| 50 | Cocatalyst Engineering in Piezocatalysis: A Promising Strategy for Boosting Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15305-15314. | 4.0 | 68 |
| 51 | Determination of bisphenol A and naphthols in river water samples by capillary zone electrophoresis after cloud point extraction. <i>Talanta</i> , 2011, 85, 488-492. | 2.9 | 67 |
| 52 | A new method for modeling rough membrane surface and calculation of interfacial interactions. <i>Bioresource Technology</i> , 2016, 200, 451-457. | 4.8 | 66 |
| 53 | Twin defects engineered Pd cocatalyst on C ₃ N ₄ nanosheets for enhanced photocatalytic performance in CO ₂ reduction reaction. <i>Nanotechnology</i> , 2017, 28, 484003. | 1.3 | 63 |
| 54 | Insight into the mechanisms for hexavalent chromium reduction and sulfoxazole degradation catalyzed by graphitic carbon nitride: The Yin and Yang in the photo-assisted processes. <i>Chemosphere</i> , 2019, 221, 166-174. | 4.2 | 63 |

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|----|---|-----|-----------|
| 55 | Interface engineering on Janus Pd@Au heterojunction co-catalysts for selective photocatalytic reduction of CO ₂ to CH ₄ . <i>Journal of Materials Chemistry A</i> , 2019, 7, 5266-5276. | 5.2 | 61 |
| 56 | Mo-doped Co ₃ O ₄ ultrathin nanosheet arrays anchored on nickel foam as a bi-functional electrode for supercapacitor and overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 355-366. | 5.0 | 61 |
| 57 | Defects-type three-dimensional Co ₃ O ₄ nanomaterials for energy conversion and low temperature energy storage. <i>Applied Surface Science</i> , 2021, 546, 149064. | 3.1 | 60 |
| 58 | Precise regulation of pyrrole-type single-atom Mn sites for superior pH-universal oxygen reduction. , 2021, 3, 856-865. | | 60 |
| 59 | Physicochemical correlations between membrane surface hydrophilicity and adhesive fouling in membrane bioreactors. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 900-909. | 5.0 | 56 |
| 60 | Bamboo-like carbon nanotubes derived from colloidal polymer nanoplates for efficient removal of bisphenol A. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15450-15456. | 5.2 | 55 |
| 61 | Enhancement of polychlorinated biphenyl biodegradation by resuscitation promoting factor (Rpf) and Rpf-responsive bacterial community. <i>Chemosphere</i> , 2021, 263, 128283. | 4.2 | 55 |
| 62 | Order engineering on the lattice of intermetallic PdCu co-catalysts for boosting the photocatalytic conversion of CO ₂ into CH ₄ . <i>Journal of Materials Chemistry A</i> , 2018, 6, 17444-17456. | 5.2 | 54 |
| 63 | Bacterial community shifts evaluation in the sediments of Puyang River and its nitrogen removal capabilities exploration by resuscitation promoting factor. <i>Ecotoxicology and Environmental Safety</i> , 2019, 179, 188-197. | 2.9 | 54 |
| 64 | Cation-driven luminescent self-assembled dots of copper nanoclusters with aggregation-induced emission for β-galactosidase activity monitoring. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5120-5127. | 2.9 | 53 |
| 65 | Factors influencing DBPs occurrence in tap water of Jinhua Region in Zhejiang Province, China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 813-822. | 2.9 | 53 |
| 66 | Nanosized N-doped graphene oxide with visible fluorescence in water for metal ion sensing. <i>Journal of Materials Chemistry</i> , 2011, 21, 17635. | 6.7 | 52 |
| 67 | Efficient elimination of Cr(VI) from aqueous solutions using sodium dodecyl sulfate intercalated molybdenum disulfide. <i>Ecotoxicology and Environmental Safety</i> , 2019, 175, 251-262. | 2.9 | 52 |
| 68 | Facile synthesis of halogenated carbon quantum dots as an important intermediate for surface modification. <i>RSC Advances</i> , 2013, 3, 9625. | 1.7 | 50 |
| 69 | Molybdenum doped induced amorphous phase in cobalt acid nickel for supercapacitor and oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1695-1706. | 5.0 | 50 |
| 70 | Graphene-Fe ₃ O ₄ as a magnetic solid-phase extraction sorbent coupled to capillary electrophoresis for the determination of sulfonamides in milk. <i>Journal of Separation Science</i> , 2016, 39, 3818-3826. | 1.3 | 48 |
| 71 | Simultaneous determination of dopamine and uric acid using layer-by-layer graphene and chitosan assembled multilayer films. <i>Talanta</i> , 2013, 117, 359-365. | 2.9 | 47 |
| 72 | Resuscitation of functional bacterial community for enhancing biodegradation of phenol under high salinity conditions based on Rpf. <i>Bioresource Technology</i> , 2018, 261, 394-402. | 4.8 | 47 |

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|----|---|-----|-----------|
| 73 | Enhanced performance of a submerged membrane bioreactor with powdered activated carbon addition for municipal secondary effluent treatment. <i>Journal of Hazardous Materials</i> , 2011, 192, 1509-1514. | 6.5 | 46 |
| 74 | Organic dye doped graphitic carbon nitride with a tailored electronic structure for enhanced photocatalytic hydrogen production. <i>Catalysis Science and Technology</i> , 2019, 9, 502-508. | 2.1 | 45 |
| 75 | Viable but Nonculturable State of Yeast <i>Candida</i> sp. Strain LN1 Induced by High Phenol Concentrations. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0111021. | 1.4 | 45 |
| 76 | Precursors for brominated haloacetic acids during chlorination and a new useful indicator for bromine substitution factor. <i>Science of the Total Environment</i> , 2020, 698, 134250. | 3.9 | 44 |
| 77 | Osmotic pressure effect on membrane fouling in a submerged anaerobic membrane bioreactor and its experimental verification. <i>Bioresource Technology</i> , 2012, 125, 97-101. | 4.8 | 43 |
| 78 | Effective partial denitrification of biological effluent of landfill leachate for Anammox process: Start-up, influencing factors and stable operation. <i>Science of the Total Environment</i> , 2022, 807, 150975. | 3.9 | 42 |
| 79 | Pollutant removal and membrane fouling in an anaerobic submerged membrane bioreactor for real sewage treatment. <i>Water Science and Technology</i> , 2014, 69, 1712-1719. | 1.2 | 40 |
| 80 | Simultaneous Detection of Multiple DNA Targets by Integrating Dual-Color Graphene Quantum Dot Nanoprobes and Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2014, 20, 16065-16069. | 1.7 | 40 |
| 81 | Aerobic degradation of 3,3',4,4'-tetrachlorobiphenyl by a resuscitated strain <i>Castellaniella</i> sp. SPC4: Kinetics model and pathway for biodegradation. <i>Science of the Total Environment</i> , 2019, 688, 917-925. | 3.9 | 40 |
| 82 | The toxicity of 2,6-dichlorobenzoquinone on the early life stage of zebrafish: A survey on the endpoints at developmental toxicity, oxidative stress, genotoxicity and cytotoxicity. <i>Environmental Pollution</i> , 2019, 245, 719-724. | 3.7 | 40 |
| 83 | Effects of surface charge on interfacial interactions related to membrane fouling in a submerged membrane bioreactor based on thermodynamic analysis. <i>Journal of Colloid and Interface Science</i> , 2016, 465, 33-41. | 5.0 | 39 |
| 84 | Bromine incorporation into five DBP classes upon chlorination of water with extremely low SUVA values. <i>Science of the Total Environment</i> , 2017, 590-591, 720-728. | 3.9 | 39 |
| 85 | Additive-free macroscopic-scale synthesis of coral-like nickel cobalt oxides with hierarchical pores and their electrocatalytic properties for methanol oxidation. <i>Electrochimica Acta</i> , 2014, 145, 300-306. | 2.6 | 38 |
| 86 | Fractal reconstruction of rough membrane surface related with membrane fouling in a membrane bioreactor. <i>Bioresource Technology</i> , 2016, 216, 817-823. | 4.8 | 37 |
| 87 | Formation of disinfection by-products during chlorination of organic matter from phoenix tree leaves and <i>Chlorella vulgaris</i> . <i>Environmental Pollution</i> , 2018, 243, 1887-1893. | 3.7 | 37 |
| 88 | Whole-genome sequencing of an acidophilic <i>Rhodotorula</i> sp. ZM1 and its phenol-degrading capability under acidic conditions. <i>Chemosphere</i> , 2019, 232, 76-86. | 4.2 | 36 |
| 89 | Effects of ionic strength on membrane fouling in a membrane bioreactor. <i>Bioresource Technology</i> , 2014, 156, 35-41. | 4.8 | 35 |
| 90 | Regression models evaluating THMs, HAAs and HANs formation upon chloramination of source water collected from Yangtze River Delta Region, China. <i>Ecotoxicology and Environmental Safety</i> , 2018, 160, 249-256. | 2.9 | 35 |

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|-----|--|-----|-----------|
| 91 | Significantly Enhanced Photocatalytic CO ₂ Reduction by Surface Amorphization of Cocatalysts. <i>Small</i> , 2021, 17, e2102105. | 5.2 | 34 |
| 92 | Stable and recyclable Fe ₃ C@CN catalyst supported on carbon felt for efficient activation of peroxymonosulfate. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 219-226. | 5.0 | 34 |
| 93 | Miniaturization of self-assembled solid phase extraction based on graphene oxide/chitosan coupled with liquid chromatography for the determination of sulfonamide residues in egg and honey. <i>Journal of Chromatography A</i> , 2016, 1447, 17-25. | 1.8 | 33 |
| 94 | Facile large scale fabrication of magnetic carbon nano-onions for efficient removal of bisphenol A. <i>Materials Chemistry and Physics</i> , 2017, 198, 186-192. | 2.0 | 33 |
| 95 | Plant polyphenols induced the synthesis of rich oxygen vacancies Co ₃ O ₄ /Co@N-doped carbon hollow nanomaterials for electrochemical energy storage and conversion. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 58-71. | 5.0 | 32 |
| 96 | A novel approach for quantitative evaluation of the physicochemical interactions between rough membrane surface and sludge foulants in a submerged membrane bioreactor. <i>Bioresource Technology</i> , 2014, 171, 247-252. | 4.8 | 31 |
| 97 | Effects of fractal roughness of membrane surfaces on interfacial interactions associated with membrane fouling in a membrane bioreactor. <i>Bioresource Technology</i> , 2017, 244, 560-568. | 4.8 | 31 |
| 98 | Highly efficient fluorescent multi-walled carbon nanotubes functionalized with diamines and amides. <i>Journal of Materials Chemistry</i> , 2012, 22, 11912. | 6.7 | 30 |
| 99 | Using regression models to evaluate the formation of trihalomethanes and haloacetonitriles via chlorination of source water with low SUVA values in the Yangtze River Delta region, China. <i>Environmental Geochemistry and Health</i> , 2016, 38, 1303-1312. | 1.8 | 30 |
| 100 | Thermodynamic analysis of effects of contact angle on interfacial interactions and its implications for membrane fouling control. <i>Bioresource Technology</i> , 2016, 201, 245-252. | 4.8 | 30 |
| 101 | Effective decolorization of anthraquinone dye reactive blue 19 using immobilized <i>Bacillus</i> sp. JF4 isolated by resuscitation-promoting factor strategy. <i>Water Science and Technology</i> , 2020, 81, 1159-1169. | 1.2 | 29 |
| 102 | Adsorption Removal of Various Nitrophenols in Aqueous Solution by Aminopropyl-Modified Mesoporous MCM-48. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 3606-3614. | 1.0 | 27 |
| 103 | An iron based organic framework coated with nickel hydroxide for energy storage, conversion and detection. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 150-160. | 5.0 | 27 |
| 104 | Facile synthesis of halogenated multi-walled carbon nanotubes and their unusual photoluminescence. <i>Journal of Materials Chemistry</i> , 2012, 22, 22113. | 6.7 | 26 |
| 105 | Ultrathin graphene layer activated dendritic γ -Fe ₂ O ₃ for high performance asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 780, 212-219. | 2.8 | 26 |
| 106 | Redox-Triggered Bonding-Induced Emission of Thiol-Functionalized Gold Nanoclusters for Luminescence Turn-On Detection of Molecular Oxygen. <i>ACS Sensors</i> , 2017, 2, 1692-1699. | 4.0 | 25 |
| 107 | Effect of nitrite on the formation of halonitromethanes during chlorination of organic matter from different origin. <i>Journal of Hydrology</i> , 2015, 531, 802-809. | 2.3 | 24 |
| 108 | Effects of molecular weight distribution (Md) on the performances of the polyethersulfone (PES) ultrafiltration membranes. <i>Journal of Membrane Science</i> , 2015, 490, 220-226. | 4.1 | 24 |

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|-----|--|-----|-----------|
| 109 | A novel integrated method for quantification of interfacial interactions between two rough bioparticles. <i>Journal of Colloid and Interface Science</i> , 2018, 516, 295-303. | 5.0 | 24 |
| 110 | Determination of Sulfonamide Residues in Honey and Milk by HPLC Coupled with Novel Graphene Oxide/Polypyrrole Foam Material-Pipette Tip Solid Phase Extraction. <i>Food Analytical Methods</i> , 2018, 11, 2885-2896. | 1.3 | 24 |
| 111 | Well dispersed single-walled carbon nanotubes with strong visible fluorescence in water for metal ions sensing. <i>Chemical Communications</i> , 2011, 47, 7167. | 2.2 | 23 |
| 112 | Binding study of diprophylline with lysozyme by spectroscopic methods. <i>Journal of Luminescence</i> , 2011, 131, 820-824. | 1.5 | 23 |
| 113 | What is the better choice for Pd cocatalysts for photocatalytic reduction of CO ₂ to renewable fuels: high-crystallinity or amorphous?. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21208-21218. | 5.2 | 23 |
| 114 | Hollow-structured amorphous prussian blue decorated on graphitic carbon nitride for photo-assisted activation of peroxymonosulfate. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 856-863. | 5.0 | 23 |
| 115 | The visible photoluminescence mechanism of oxidized multi-walled carbon nanotubes: an experimental and theoretical investigation. <i>Journal of Materials Chemistry C</i> , 2013, 1, 307-314. | 2.7 | 22 |
| 116 | Experimental evidence for osmotic pressure-induced fouling in a membrane bioreactor. <i>Bioresource Technology</i> , 2014, 158, 119-126. | 4.8 | 22 |
| 117 | A new strategy to produce low-density polyethylene (LDPE)-based composites simultaneously with high flame retardancy and high mechanical properties. <i>Applied Surface Science</i> , 2018, 437, 75-81. | 3.1 | 22 |
| 118 | Thermodynamic assessment of adsorptive fouling with the membranes modified via layer-by-layer self-assembly technique. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 194-203. | 5.0 | 21 |
| 119 | A new approach to construct three-dimensional surface morphology of sludge flocs in a membrane bioreactor. <i>Bioresource Technology</i> , 2016, 219, 521-526. | 4.8 | 20 |
| 120 | A facile strategy to prepare superhydrophilic polyvinylidene fluoride (PVDF) based membranes and the thermodynamic mechanisms underlying the improved performance. <i>Separation and Purification Technology</i> , 2018, 197, 271-280. | 3.9 | 20 |
| 121 | Rationally designed Ni ₂ P/Ni/C as a positive electrode for high-performance hybrid supercapacitors. <i>New Journal of Chemistry</i> , 2020, 44, 6810-6817. | 1.4 | 20 |
| 122 | Quantitative evaluation of the interfacial interactions between a randomly rough sludge floc and membrane surface in a membrane bioreactor based on fractal geometry. <i>Bioresource Technology</i> , 2017, 234, 198-207. | 4.8 | 19 |
| 123 | Layered Co doped MnO ₂ with abundant oxygen defects to boost aqueous zinc-ion storage. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 662-669. | 5.0 | 19 |
| 124 | Quantitative assessment of interfacial interactions with rough membrane surface and its implications for membrane selection and fabrication in a MBR. <i>Bioresource Technology</i> , 2015, 179, 367-372. | 4.8 | 18 |
| 125 | Integration of Plasmonic Metal and Cocatalyst: An Efficient Strategy for Boosting the Visible and Broad Spectrum Photocatalytic H ₂ Evolution. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900775. | 1.9 | 18 |
| 126 | Amino-Functionalized Mesoporous Silicas MCM-48 as Zn(II) Sorbents in Water Samples. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 2059-2066. | 1.0 | 17 |

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|-----|--|-----|-----------|
| 127 | Regulating the electronic structure of Fe-based metal organic frameworks by electrodeposition of Au nanoparticles for electrochemical overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 426-434. | 5.0 | 17 |
| 128 | Dual active sites of the Co ₂ N and single-atom Co ⁴⁺ embedded in nitrogen-rich nanocarbons: a robust electrocatalyst for oxygen reduction reactions. <i>Nanotechnology</i> , 2020, 31, 165401. | 1.3 | 16 |
| 129 | Effective biological nitrogen process and nitrous oxide emission characteristics for the treatment of landfill leachate with low carbon-to-nitrogen ratio. <i>Journal of Cleaner Production</i> , 2020, 268, 122289. | 4.6 | 16 |
| 130 | TEA driven C, N co-doped superfine Fe ₃ O ₄ nanoparticles for efficient trifunctional electrode materials. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 249-259. | 5.0 | 16 |
| 131 | Ultrasound-assisted dispersive liquid-liquid microextraction based on solidification of floating organic droplets coupled with gas chromatography for the determination of pesticide residues in water samples. <i>Analytical Methods</i> , 2014, 6, 3388. | 1.3 | 15 |
| 132 | Synthesis and Functionalization of Stable and Bright Copper Nanoclusters by In Situ Generation of Silica Shells for Bioimaging and Biosensing. <i>ACS Applied Nano Materials</i> , 2018, 1, 5673-5681. | 2.4 | 15 |
| 133 | Chronic exposure to dichloroacetamide induces biochemical and histopathological changes in the gills of zebrafish. <i>Environmental Toxicology</i> , 2019, 34, 781-787. | 2.1 | 15 |
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