

Jianrong Chen

List of Publications by Year in descending order

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150
papers

10,997
citations

25034

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151
all docs

151
docs citations

151
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.	8.2	583
2	A review on anaerobic membrane bioreactors: Applications, membrane fouling and future perspectives. <i>Desalination</i> , 2013, 314, 169-188.	8.2	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.	3.3	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.	8.0	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.	5.4	319
6	Membrane Bioreactors for Industrial Wastewater Treatment: A Critical Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2012, 42, 677-740.	12.8	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.	3.5	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.	12.4	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.	11.3	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.	11.3	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.	6.5	201
12	Facile synthesis of P-doped carbon quantum dots with highly efficient photoluminescence. <i>RSC Advances</i> , 2014, 4, 5465.	3.6	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.	3.6	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.	5.4	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.	9.6	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.	5.5	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.	11.3	168
18	Feasibility evaluation of submerged anaerobic membrane bioreactor for municipal secondary wastewater treatment. <i>Desalination</i> , 2011, 280, 120-126.	8.2	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.	5.2	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.	8.2	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.	14.9	139
22	Fouling mechanisms of gel layer in a submerged membrane bioreactor. <i>Bioresource Technology</i> , 2014, 166, 295-302.	9.6	133
23	Effects of hydrophilicity/hydrophobicity of membrane on membrane fouling in a submerged membrane bioreactor. <i>Bioresource Technology</i> , 2015, 175, 59-67.	9.6	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.	6.5	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.	11.3	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.	10.1	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.	12.7	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.	8.2	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.	8.2	107
30	Graphene π - π 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.	20.2	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.	6.5	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.	8.2	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.	4.1	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.	6.1	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.	12.4	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.	12.4	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.	9.4	86
38	Thermodynamic analysis of membrane fouling in a submerged membrane bioreactor and its implications. <i>Bioresource Technology</i> , 2013, 146, 7-14.	9.6	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.	5.5	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.	3.3	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.	6.5	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.	9.6	77
43	Bridge engineering in photocatalysis and photoelectrocatalysis. <i>Nanoscale</i> , 2020, 12, 5764-5791.	5.6	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.	3.5	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.	7.8	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.	12.7	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.	7.8	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.	9.4	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.	7.9	68
50	Cocatalyst Engineering in Piezocatalysis: A Promising Strategy for Boosting Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15305-15314.	8.0	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.	5.5	67
52	A new method for modeling rough membrane surface and calculation of interfacial interactions. <i>Bioresource Technology</i> , 2016, 200, 451-457.	9.6	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.	2.6	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.	8.2	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.	10.3	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.	9.4	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.	6.1	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.	9.4	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.	10.3	55
61	Enhancement of polychlorinated biphenyl biodegradation by resuscitation promoting factor (Rpf) and Rpf-responsive bacterial community. <i>Chemosphere</i> , 2021, 263, 128283.	8.2	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.	10.3	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.	6.0	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.	5.8	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.	6.0	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.	6.0	52
68	Facile synthesis of halogenated carbon quantum dots as an important intermediate for surface modification. <i>RSC Advances</i> , 2013, 3, 9625.	3.6	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.	9.4	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.	2.5	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.	5.5	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.	9.6	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.	12.4	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.	4.1	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.	3.1	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.	8.0	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.	9.6	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.	8.0	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.	2.5	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.	3.3	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.	8.0	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.	7.5	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.	9.4	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.	8.0	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.	5.2	38
86	Fractal reconstruction of rough membrane surface related with membrane fouling in a membrane bioreactor. <i>Bioresource Technology</i> , 2016, 216, 817-823.	9.6	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.	7.5	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.	8.2	36
89	Effects of ionic strength on membrane fouling in a membrane bioreactor. <i>Bioresource Technology</i> , 2014, 156, 35-41.	9.6	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.	6.0	35

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91	Significantly Enhanced Photocatalytic CO ₂ Reduction by Surface Amorphization of Cocatalysts. <i>Small</i> , 2021, 17, e2102105.	10.0	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.	9.4	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.	3.7	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.	4.0	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.	9.4	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.	9.6	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.	9.6	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.	3.4	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.	9.6	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.	2.5	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.	1.9	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.	9.4	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.	5.5	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.	7.8	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.	5.4	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.	8.2	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.	9.4	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.	2.6	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.	4.1	23
112	Binding study of diprophylline with lysozyme by spectroscopic methods. <i>Journal of Luminescence</i> , 2011, 131, 820-824.	3.1	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.	10.3	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.	9.4	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.	5.5	22
116	Experimental evidence for osmotic pressure-induced fouling in a membrane bioreactor. <i>Bioresource Technology</i> , 2014, 158, 119-126.	9.6	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.	6.1	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.	9.4	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.	9.6	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.	7.9	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.	2.8	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.	9.6	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.	9.4	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.	9.6	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.	3.7	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.	1.9	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.	9.4	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.	2.6	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.	9.3	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.	9.4	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.	2.7	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.	5.0	15
133	Chronic exposure to dichloroacetamide induces biochemical and histopathological changes in the gills of zebrafish. <i>Environmental Toxicology</i> , 2019, 34, 781-787.	4.0	15
134	Modeling and predicting pKa values of mono-hydroxylated polychlorinated biphenyls (HO-PCBs) and polybrominated diphenyl ethers (HO-PBDEs) by local molecular descriptors. <i>Chemosphere</i> , 2015, 138, 829-836.	8.2	14
135	Magnetic Metal-Organic Framework/Graphene Oxide-Based Solid-Phase Extraction Combined with Spectrofluorimetry for the Determination of Enrofloxacin in Milk Sample. <i>Food Analytical Methods</i> , 2017, 10, 4094-4103.	2.6	13
136	Simple and sensitive detection method for diprophylline using glutathione-capped CdTe quantum dots as fluorescence probes. <i>Journal of Luminescence</i> , 2014, 145, 575-581.	3.1	12
137	Multicolour fluorescent graphene oxide by cutting carbon nanotubes upon oxidation. <i>CrystEngComm</i> , 2012, 14, 4976.	2.6	11
138	Membrane fouling in a submerged membrane bioreactor: An unified approach to construct topography and to evaluate interaction energy between two randomly rough surfaces. <i>Bioresource Technology</i> , 2017, 243, 1121-1132.	9.6	11
139	Metallic cobalt and molybdenum oxides encapsulated in B, N-doped carbon nanocomposite catalyzed hydrogen evolution from ammonia borane hydrolysis. <i>Vacuum</i> , 2020, 174, 109213.	3.5	11
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145	Theoretical investigation of the dissociative interchange (Id) mechanism for water exchange on magnesium(II) in aqueous solution. <i>Inorganica Chimica Acta</i> , 2010, 363, 3627-3631.	2.4	5
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148	Unusual visible luminescence of aluminium polyoxocations in aqueous solution. <i>Chemical Communications</i> , 2011, 47, 12652.	4.1	4
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150	One-Pot and Surfactant-Free Synthesis of Ultrafine PtSn Nanoparticles Supported on Onion-Like Nanocarbons Toward Efficient Methanol and Ethylene Glycol Oxidation Reactions. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2408-2415.	0.9	3