

Hongjun Lin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1569118/publications.pdf>

Version: 2024-02-01

253
papers

15,855
citations

11639

70
h-index

25770

108
g-index

253
all docs

253
docs citations

253
times ranked

10360
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	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
4	In situ preparation of g-C ₃ N ₄ /Bi ₄ O ₅ I ₂ complex and its elevated photoactivity in Methyl Orange degradation under visible light. <i>Journal of Environmental Sciences</i> , 2020, 87, 149-162.	3.2	227
5	Efficient degradation of RhB over GdVO ₄ /g-C ₃ N ₄ composites under visible-light irradiation. <i>Chemical Engineering Journal</i> , 2013, 215-216, 721-730.	6.6	219
6	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
7	Enhanced photodegradation activity of methyl orange over Z-scheme type MoO ₃ /g-C ₃ N ₄ composite under visible light irradiation. <i>RSC Advances</i> , 2014, 4, 13610-13619.	1.7	205
8	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
9	Microwave heating preparation of phosphorus doped g-C ₃ N ₄ and its enhanced performance for photocatalytic H ₂ evolution in the help of Ag ₃ PO ₄ nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 14354-14367.	3.8	195
10	Synergistic fouling behaviors and mechanisms of calcium ions and polyaluminum chloride associated with alginate solution in coagulation-ultrafiltration (UF) process. <i>Water Research</i> , 2021, 189, 116665.	5.3	191
11	Membrane fouling caused by biological foams in a submerged membrane bioreactor: Mechanism insights. <i>Water Research</i> , 2020, 181, 115932.	5.3	189
12	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
13	New methods based on back propagation (BP) and radial basis function (RBF) artificial neural networks (ANNs) for predicting the occurrence of halo ketones in tap water. <i>Science of the Total Environment</i> , 2021, 772, 145534.	3.9	176
14	In-situ synthesis of AgNbO ₃ /g-C ₃ N ₄ photocatalyst via microwave heating method for efficiently photocatalytic H ₂ generation. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 163-171.	5.0	174
15	Fabrication of high-performance composite nanofiltration membranes for dye wastewater treatment: mussel-inspired layer-by-layer self-assembly. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 273-283.	5.0	170
16	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
17	Facile fabrication of novel Ag ₂ S/K-g-C ₃ N ₄ composite and its enhanced performance in photocatalytic H ₂ evolution. <i>Journal of Colloid and Interface Science</i> , 2020, 568, 117-129.	5.0	167
18	Synthesis of carbon-doped KNbO ₃ photocatalyst with excellent performance for photocatalytic hydrogen production. <i>Solar Energy Materials and Solar Cells</i> , 2018, 179, 45-56.	3.0	163

#	ARTICLE	IF	CITATIONS
19	Feasibility evaluation of submerged anaerobic membrane bioreactor for municipal secondary wastewater treatment. <i>Desalination</i> , 2011, 280, 120-126.	4.0	160
20	A high-performance hybrid supercapacitor with NiO derived NiO@Ni-MOF composite electrodes. <i>Electrochimica Acta</i> , 2020, 340, 135956.	2.6	157
21	NMR-based metabonomic study of the sub-acute toxicity of titanium dioxide nanoparticles in rats after oral administration. <i>Nanotechnology</i> , 2010, 21, 125105.	1.3	154
22	Facile synthesis of 2D TiO ₂ @MXene composite membrane with enhanced separation and antifouling performance. <i>Journal of Membrane Science</i> , 2021, 640, 119854.	4.1	154
23	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
24	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
25	Comparing Two New Composite Photocatalysts, <i>t</i> -LaVO ₄ /g-C ₃ N ₄ and <i>m</i> -LaVO ₄ /g-C ₃ N ₄ , for Their Structures and Performances. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 5905-5915.	1.8	137
26	Rapid and energy-efficient preparation of boron doped g-C ₃ N ₄ with excellent performance in photocatalytic H ₂ -evolution. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 19984-19989.	3.8	137
27	Fouling mechanisms of gel layer in a submerged membrane bioreactor. <i>Bioresource Technology</i> , 2014, 166, 295-302.	4.8	133
28	Factors affecting THMs, HAAs and HNMs formation of Jin Lan Reservoir water exposed to chlorine and monochloramine. <i>Science of the Total Environment</i> , 2013, 444, 196-204.	3.9	131
29	Effect of calcium ions on fouling properties of alginate solution and its mechanisms. <i>Journal of Membrane Science</i> , 2017, 525, 320-329.	4.1	131
30	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
31	Enhanced permeability and antifouling performance of polyether sulfone (PES) membrane via elevating magnetic Ni@MXene nanoparticles to upper layer in phase inversion process. <i>Journal of Membrane Science</i> , 2021, 623, 119080.	4.1	130
32	Synthesis and characterization of a ZrO ₂ /g-C ₃ N ₄ composite with enhanced visible-light photoactivity for rhodamine degradation. <i>RSC Advances</i> , 2014, 4, 40029-40035.	1.7	121
33	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
34	Efficient degradation and mineralization of antibiotics via heterogeneous activation of peroxydisulfate by using graphene supported single-atom Cu catalyst. <i>Chemical Engineering Journal</i> , 2020, 394, 124904.	6.6	117
35	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
36	A novel Bi ₂ S ₃ /KTa _{0.75} Nb _{0.25} O ₃ nanocomposite with high efficiency for photocatalytic and piezocatalytic N ₂ fixation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13344-13354.	5.2	109

#	ARTICLE	IF	CITATIONS
37	Preparation of Ni@UiO-66 incorporated polyethersulfone (PES) membrane by magnetic field assisted strategy to improve permeability and photocatalytic self-cleaning ability. <i>Journal of Colloid and Interface Science</i> , 2022, 618, 483-495.	5.0	109
38	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
39	Prediction of interfacial interactions related with membrane fouling in a membrane bioreactor based on radial basis function artificial neural network (ANN). <i>Bioresource Technology</i> , 2019, 282, 262-268.	4.8	105
40	Magnetic field assisted arrangement of photocatalytic TiO ₂ particles on membrane surface to enhance membrane antifouling performance for water treatment. <i>Journal of Colloid and Interface Science</i> , 2020, 570, 273-285.	5.0	105
41	Fabrication and characterization of hollow CdMoO ₄ coupled g-C ₃ N ₄ heterojunction with enhanced photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2015, 299, 333-342.	6.5	104
42	Metal-phenolic network as precursor for fabrication of metal-organic framework (MOF) nanofiltration membrane for efficient desalination. <i>Journal of Membrane Science</i> , 2021, 624, 119101.	4.1	104
43	In-situ preparation of Z-scheme AgI/Bi ₅ O ₇ I hybrid and its excellent photocatalytic activity. <i>Applied Surface Science</i> , 2016, 387, 912-920.	3.1	101
44	Rapid fabrication of KTa _{0.75} Nb _{0.25} /g-C ₃ N ₄ composite via microwave heating for efficient photocatalytic H ₂ evolution. <i>Fuel</i> , 2019, 241, 1-11.	3.4	101
45	A novel in-situ micro-aeration functional membrane with excellent decoloration efficiency and antifouling performance. <i>Journal of Membrane Science</i> , 2022, 641, 119925.	4.1	101
46	Novel insights into membrane fouling in a membrane bioreactor: Elucidating interfacial interactions with real membrane surface. <i>Chemosphere</i> , 2018, 210, 769-778.	4.2	97
47	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
48	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
49	Plant polyphenol intermediated metal-organic framework (MOF) membranes for efficient desalination. <i>Journal of Membrane Science</i> , 2021, 618, 118726.	4.1	94
50	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
51	Giant enhancement of photocatalytic H ₂ production over KNbO ₃ photocatalyst obtained via carbon doping and MoS ₂ decoration. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4347-4354.	3.8	91
52	A novel strategy based on magnetic field assisted preparation of magnetic and photocatalytic membranes with improved performance. <i>Journal of Membrane Science</i> , 2020, 612, 118378.	4.1	90
53	Novel membranes with extremely high permeability fabricated by 3D printing and nickel coating for oil/water separation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12055-12061.	5.2	89
54	Facile synthesis of Fe ₃ O ₄ -graphene@mesoporous SiO ₂ nanocomposites for efficient removal of Methylene Blue. <i>Applied Surface Science</i> , 2016, 378, 80-86.	3.1	88

#	ARTICLE	IF	CITATIONS
55	Manipulating the mussel-inspired co-deposition of tannic acid and amine for fabrication of nanofiltration membranes with an enhanced separation performance. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 23-34.	5.0	87
56	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
57	Stacking Engineering of Semiconductor Heterojunctions on Hollow Carbon Spheres for Boosting Photocatalytic CO ₂ Reduction. <i>ACS Catalysis</i> , 2022, 12, 2569-2580.	5.5	86
58	Thermodynamic analysis of membrane fouling in a submerged membrane bioreactor and its implications. <i>Bioresource Technology</i> , 2013, 146, 7-14.	4.8	83
59	Novel conductive membranes breaking through the selectivity-permeability trade-off for Congo red removal. <i>Separation and Purification Technology</i> , 2019, 211, 368-376.	3.9	82
60	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
61	Membrane fouling by alginate in polyaluminum chloride (PACl) coagulation/microfiltration process: Molecular insights. <i>Separation and Purification Technology</i> , 2020, 236, 116294.	3.9	79
62	Identification of heavy metal ions from aqueous environment through gold, Silver and Copper Nanoparticles: An excellent colorimetric approach. <i>Environmental Research</i> , 2022, 205, 112475.	3.7	79
63	Synthesis, characterization and photocatalytic activity of visible-light plasmonic photocatalyst AgBr-SmVO ₄ . <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 95-103.	10.8	78
64	Mechanisms of arsenic disruption on gonadal, adrenal and thyroid endocrine systems in humans: A review. <i>Environment International</i> , 2016, 95, 61-68.	4.8	78
65	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
66	Effects of surface morphology on alginate adhesion: Molecular insights into membrane fouling based on XDLVO and DFT analysis. <i>Chemosphere</i> , 2019, 233, 373-380.	4.2	76
67	Mechanism analyses of high specific filtration resistance of gel and roles of gel elasticity related with membrane fouling in a membrane bioreactor. <i>Bioresource Technology</i> , 2018, 257, 39-46.	4.8	75
68	Application of radial basis function artificial neural network to quantify interfacial energies related to membrane fouling in a membrane bioreactor. <i>Bioresource Technology</i> , 2019, 293, 122103.	4.8	74
69	Radial basis function artificial neural network (RBF ANN) as well as the hybrid method of RBF ANN and grey relational analysis able to well predict trihalomethanes levels in tap water. <i>Journal of Hydrology</i> , 2020, 591, 125574.	2.3	74
70	Polymeric Membranes Incorporated With ZnO Nanoparticles for Membrane Fouling Mitigation: A Brief Review. <i>Frontiers in Chemistry</i> , 2020, 8, 224.	1.8	74
71	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
72	New insights into membrane fouling by alginate: Impacts of ionic strength in presence of calcium ions. <i>Chemosphere</i> , 2020, 246, 125801.	4.2	73

#	ARTICLE	IF	CITATIONS
73	Facile fabrication of superhydrophilic nanofiltration membranes via tannic acid and irons layer-by-layer self-assembly for dye separation. <i>Applied Surface Science</i> , 2020, 515, 146063.	3.1	73
74	Electric field endowing the conductive polyvinylidene fluoride (PVDF)-graphene oxide (GO)-nickel (Ni) membrane with high-efficient performance for dye wastewater treatment. <i>Applied Surface Science</i> , 2019, 483, 1006-1016.	3.1	72
75	Flame-retardant ethylene vinyl acetate composite materials by combining additions of aluminum hydroxide and melamine cyanurate: Preparation and characteristic evaluations. <i>Journal of Colloid and Interface Science</i> , 2021, 589, 525-531.	5.0	72
76	Thermodynamic mechanisms of membrane fouling during filtration of alginate solution in coagulation-ultrafiltration (UF) process in presence of different ionic strength and iron(III) ion concentration. <i>Journal of Membrane Science</i> , 2021, 635, 119532.	4.1	72
77	Electroless Ni-Sn-P plating to fabricate nickel alloy coated polypropylene membrane with enhanced performance. <i>Journal of Membrane Science</i> , 2021, 640, 119820.	4.1	72
78	Inkjet printing assisted fabrication of polyphenol-based coating membranes for oil/water separation. <i>Chemosphere</i> , 2020, 250, 126236.	4.2	71
79	Quantification of interfacial interactions between a rough sludge floc and membrane surface in a membrane bioreactor. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 710-718.	5.0	69
80	Radial basis function artificial neural network able to accurately predict disinfection by-product levels in tap water: Taking haloacetic acids as a case study. <i>Chemosphere</i> , 2020, 248, 125999.	4.2	69
81	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
82	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
83	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
84	Facile preparation of polyvinylidene fluoride substrate supported thin film composite polyamide nanofiltration: Effect of substrate pore size. <i>Journal of Membrane Science</i> , 2021, 638, 119699.	4.1	68
85	Novel Ternary MoS ₂ /C-ZnO Composite with Efficient Performance in Photocatalytic NH ₃ Synthesis under Simulated Sunlight. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14866-14879.	3.2	67
86	A new method for modeling rough membrane surface and calculation of interfacial interactions. <i>Bioresource Technology</i> , 2016, 200, 451-457.	4.8	66
87	¹ H-NMR based metabonomic profiling of human esophageal cancer tissue. <i>Molecular Cancer</i> , 2013, 12, 25.	7.9	65
88	Novel insights into membrane fouling caused by gel layer in a membrane bioreactor: Effects of hydrogen bonding. <i>Bioresource Technology</i> , 2019, 276, 219-225.	4.8	65
89	Facile preparation of recyclable magnetic Ni@filter paper composite materials for efficient photocatalytic degradation of methyl orange. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 291-300.	5.0	65
90	A novel composite membrane for simultaneous separation and catalytic degradation of oil/water emulsion with high performance. <i>Chemosphere</i> , 2022, 288, 132490.	4.2	65

#	ARTICLE	IF	CITATIONS
91	Molecular insights into the impacts of iron(III) ions on membrane fouling by alginate. <i>Chemosphere</i> , 2020, 242, 125232.	4.2	64
92	Inkjet printing assisted electroless Ni plating to fabricate nickel coated polypropylene membrane with improved performance. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 546-554.	5.0	64
93	Insight into the mechanisms for hexavalent chromium reduction and sulfisoxazole 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
94	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
95	Novel in-situ electroflotation driven by hydrogen evolution reaction (HER) with polypyrrole (PPy)-Ni-modified fabric membrane for efficient oil/water separation. <i>Journal of Membrane Science</i> , 2021, 635, 119502.	4.1	60
96	Synthesis of KNbO ₃ /g-C ₃ N ₄ composite and its new application in photocatalytic H ₂ generation under visible light irradiation. <i>Journal of Materials Science</i> , 2018, 53, 7453-7465.	1.7	57
97	Enzyme-mimicking single-atom FeN ₄ sites for enhanced photo-Fenton-like reactions. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121327.	10.8	57
98	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
99	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
100	Filtration behaviors and fouling mechanisms of ultrafiltration process with polyacrylamide flocculation for water treatment. <i>Science of the Total Environment</i> , 2020, 703, 135540.	3.9	55
101	In-situ coating TiO ₂ surface by plant-inspired tannic acid for fabrication of thin film nanocomposite nanofiltration membranes toward enhanced separation and antibacterial performance. <i>Journal of Colloid and Interface Science</i> , 2020, 572, 114-121.	5.0	55
102	Enhancement of polychlorinated biphenyl biodegradation by resuscitation promoting factor (Rpf) and Rpf-responsive bacterial community. <i>Chemosphere</i> , 2021, 263, 128283.	4.2	55
103	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
104	Enhanced visible-light photoactivity of g-C ₃ N ₄ via Zn ₂ SnO ₄ modification. <i>Applied Surface Science</i> , 2015, 329, 143-149.	3.1	53
105	Biocompatible G-Fe ₃ O ₄ /CA nanocomposites for the removal of Methylene Blue. <i>Journal of Molecular Liquids</i> , 2015, 212, 63-69.	2.3	53
106	Membrane fouling in a membrane bioreactor: A novel method for membrane surface morphology construction and its application in interaction energy assessment. <i>Journal of Membrane Science</i> , 2016, 516, 135-143.	4.1	53
107	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
108	Magnetic field assisted preparation of PES-Ni@MWCNTs membrane with enhanced permeability and antifouling performance. <i>Chemosphere</i> , 2020, 243, 125446.	4.2	53

#	ARTICLE	IF	CITATIONS
109	A facile method for simulating randomly rough membrane surface associated with interface behaviors. <i>Applied Surface Science</i> , 2018, 427, 915-921.	3.1	52
110	Using simple and easy water quality parameters to predict trihalomethane occurrence in tap water. <i>Chemosphere</i> , 2022, 286, 131586.	4.2	52
111	Preparation of nickel@polyvinyl alcohol (PVA) conductive membranes to couple a novel electrocoagulation-membrane separation system for efficient oil-water separation. <i>Journal of Membrane Science</i> , 2022, 653, 120541.	4.1	52
112	Novel platinum-bismuth alloy loaded KTa _{0.5} Nb _{0.5} O ₃ composite photocatalyst for effective nitrogen-to-ammonium conversion. <i>Journal of Colloid and Interface Science</i> , 2022, 618, 362-374.	5.0	51
113	Membrane technologies for microalgal cultivation and dewatering: Recent progress and challenges. <i>Algal Research</i> , 2019, 44, 101686.	2.4	49
114	Pesticide residues in breast milk and the associated risk assessment: A review focused on China. <i>Science of the Total Environment</i> , 2020, 727, 138412.	3.9	49
115	Novel catalytic self-cleaning membrane with peroxydisulfate activation for dual-function wastewater purification: Performance and mechanism. <i>Journal of Cleaner Production</i> , 2022, 355, 131858.	4.6	49
116	The biological performance of a novel microalgal-bacterial membrane photobioreactor: Effects of HRT and N/P ratio. <i>Chemosphere</i> , 2020, 261, 128199.	4.2	48
117	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
118	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
119	Improved thermal stability and heat-aging resistance of silicone rubber via incorporation of UiO-66-NH ₂ . <i>Materials Chemistry and Physics</i> , 2021, 274, 125182.	2.0	47
120	Surface Properties of Biofouled Membranes from a Submerged Anaerobic Membrane Bioreactor after Cleaning. <i>Journal of Environmental Engineering, ASCE</i> , 2011, 137, 504-513.	0.7	46
121	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
122	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
123	Fabrication of hydrophilic and antibacterial poly(vinylidene fluoride) based separation membranes by a novel strategy combining radiation grafting of poly(acrylic acid) (PAA) and electroless nickel plating. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 64-75.	5.0	45
124	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
125	Fundamental thermodynamic mechanisms of membrane fouling caused by transparent exopolymer particles (TEP) in water treatment. <i>Science of the Total Environment</i> , 2022, 820, 153252.	3.9	45
126	Membrane fouling in a submerged membrane bioreactor: Effect of pH and its implications. <i>Bioresource Technology</i> , 2014, 152, 7-14.	4.8	44

#	ARTICLE	IF	CITATIONS
127	Influence of membrane surface roughness on interfacial interactions with sludge flocs in a submerged membrane bioreactor. <i>Journal of Colloid and Interface Science</i> , 2015, 446, 84-90.	5.0	44
128	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
129	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
130	Novel indicators for thermodynamic prediction of interfacial interactions related with adhesive fouling in a membrane bioreactor. <i>Journal of Colloid and Interface Science</i> , 2017, 487, 320-329.	5.0	43
131	Preparation, characterization, and photocatalytic activity of novel AgBr/ZIF-8 composites for water purification. <i>Advanced Powder Technology</i> , 2020, 31, 439-447.	2.0	43
132	<i>In situ</i> conversion of ZnO into zeolitic imidazolate framework-8 in polyamide layers for well-structured high-permeance thin-film nanocomposite nanofiltration membranes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7684-7691.	5.2	43
133	A new strategy to accelerate co-deposition of plant polyphenol and amine for fabrication of antibacterial nanofiltration membranes by in-situ grown Ag nanoparticles. <i>Separation and Purification Technology</i> , 2022, 280, 119866.	3.9	43
134	Photodegradation of RhB over YVO ₄ /g-C ₃ N ₄ composites under visible light irradiation. <i>RSC Advances</i> , 2013, 3, 20862.	1.7	42
135	Thermophilic membrane bioreactors: A review. <i>Bioresource Technology</i> , 2017, 243, 1180-1193.	4.8	42
136	Developing predictive models for toxicity of organic chemicals to green algae based on mode of action. <i>Chemosphere</i> , 2018, 190, 463-470.	4.2	42
137	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
138	Facile preparation of Ag ₂ S/KTa _{0.5} Nb _{0.5} O ₃ heterojunction for enhanced performance in catalytic nitrogen fixation via photocatalysis and piezo-photocatalysis. <i>Green Energy and Environment</i> , 2023, 8, 1630-1643.	4.7	42
139	Effects of polysaccharides' molecular structure on membrane fouling and the related mechanisms. <i>Science of the Total Environment</i> , 2022, 836, 155579.	3.9	41
140	Synthesis, characterization and photocatalytic performance of V ₂ O ₅ composite under visible light irradiation. <i>Chemical Engineering Journal</i> , 2011, 169, 50-57.	6.6	40
141	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
142	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
143	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
144	Use of multiple regression models to evaluate the formation of halonitromethane via chlorination/chloramination of water from Tai Lake and the Qiantang River, China. <i>Chemosphere</i> , 2015, 119, 540-546.	4.2	39

#	ARTICLE	IF	CITATIONS
145	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
146	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
147	A comparative study on the photocatalytic activities of two visible-light plasmonic photocatalysts: AgCl-SmVO ₄ and AgI-SmVO ₄ composites. <i>Applied Catalysis A: General</i> , 2014, 472, 143-151.	2.2	38
148	Fabrication, characterization and photocatalytic activity of g-C ₃ N ₄ coupled with FeVO ₄ nanorods. <i>RSC Advances</i> , 2015, 5, 27933-27939.	1.7	38
149	Mechanistic insights into Ca-alginate gel-associated membrane fouling affected by ethylene diamine tetraacetic acid (EDTA). <i>Science of the Total Environment</i> , 2022, 842, 156912.	3.9	38
150	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
151	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
152	Membrane fouling in a submerged membrane bioreactor: New method and its applications in interfacial interaction quantification. <i>Bioresource Technology</i> , 2017, 241, 406-414.	4.8	36
153	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
154	Effects of ionic strength on membrane fouling in a membrane bioreactor. <i>Bioresource Technology</i> , 2014, 156, 35-41.	4.8	35
155	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
156	A facile method to modify polypropylene membrane by polydopamine coating via inkjet printing technique for superior performance. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 719-727.	5.0	34
157	Significantly Enhanced Photocatalytic CO ₂ Reduction by Surface Amorphization of Cocatalysts. <i>Small</i> , 2021, 17, e2102105.	5.2	34
158	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
159	Novel carbon modified KTa _{0.75} Nb _{0.25} O ₃ nanocubes with excellent efficiency in photocatalytic H ₂ evolution. <i>Fuel</i> , 2018, 233, 486-496.	3.4	33
160	Resuscitation of viable but non-culturable bacteria to enhance the cellulose-degrading capability of bacterial community in composting. <i>Microbial Biotechnology</i> , 2018, 11, 527-536.	2.0	32
161	New strategy of grafting hydroxyethyl acrylate (HEA) via ¹³⁷ Ir gamma ray radiation to modify polyvinylidene fluoride (PVDF) membrane: Thermodynamic mechanisms of the improved antifouling performance. <i>Separation and Purification Technology</i> , 2018, 207, 83-91.	3.9	32
162	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

#	ARTICLE	IF	CITATIONS
163	Ultrasound-assisted catalytic activation of peroxydisulfate on Ti3GeC2 MAX phase for efficient removal of hazardous pollutants. <i>Materials Today Chemistry</i> , 2022, 24, 100818.	1.7	32
164	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
165	YLT192, a Novel, Orally Active Bioavailable Inhibitor of VEGFR2 Signaling with Potent Antiangiogenic Activity and Antitumor Efficacy in Preclinical Models. <i>Scientific Reports</i> , 2015, 4, 6031.	1.6	31
166	A novel insight into membrane fouling mechanism regarding gel layer filtration: Flory-Huggins based filtration mechanism. <i>Scientific Reports</i> , 2016, 6, 33343.	1.6	31
167	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
168	Semi-sacrificial template synthesis of single-atom Ni sites supported on hollow carbon nanospheres for efficient and stable electrochemical CO ₂ reduction. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1719-1725.	3.0	31
169	Camptothecin nanocolloids based on N,N,N-trimethyl chitosan: Efficient suppression of growth of multiple myeloma in a murine model. <i>Oncology Reports</i> , 2012, 27, 1035-1040.	1.2	30
170	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
171	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
172	Effectively H ₂ generation over CdS/KTa _{0.75} Nb _{0.25} O ₃ composite via water splitting. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 622-632.	5.0	30
173	Environmentally relevant concentrations of arsenite induces developmental toxicity and oxidative responses in the early life stage of zebrafish. <i>Environmental Pollution</i> , 2019, 254, 113022.	3.7	29
174	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
175	Pressure-assisted polydopamine modification of thin-film composite reverse osmosis membranes for enhanced desalination and antifouling performance. <i>Desalination</i> , 2022, 530, 115671.	4.0	29
176	Influences of fractal dimension of membrane surface on interfacial interactions related to membrane fouling in a membrane bioreactor. <i>Journal of Colloid and Interface Science</i> , 2017, 500, 79-87.	5.0	28
177	Membrane fouling in a submerged membrane bioreactor with focus on surface properties and interactions of cake sludge and bulk sludge. <i>Bioresource Technology</i> , 2014, 169, 213-219.	4.8	27
178	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
179	Novel molecular level insights into forward osmosis membrane fouling affected by reverse diffusion of draw solutions based on thermodynamic mechanisms. <i>Journal of Membrane Science</i> , 2021, 620, 118815.	4.1	25
180	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

#	ARTICLE	IF	CITATIONS
181	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
182	Modeling three-dimensional surface morphology of biocake layer in a membrane bioreactor based on fractal geometry. <i>Bioresource Technology</i> , 2016, 222, 478-484.	4.8	24
183	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
184	Facile preparation of polyacrylonitrile-co-methylacrylate based integrally skinned asymmetric nanofiltration membranes for sustainable molecular separation: An one-step method. <i>Journal of Colloid and Interface Science</i> , 2019, 546, 251-261.	5.0	24
185	Preparation and characterization of ethylene-vinyl acetate copolymer (EVA)-magnesium hydroxide (MH)-hexaphenoxycyclotriphosphazene (HPCTP) composite flame-retardant materials. <i>Polymer Bulletin</i> , 2019, 76, 2399-2410.	1.7	24
186	The promising NIR light-driven MO _{3-x} (M=Mo, W) photocatalysts for energy conversion and environmental remediation. <i>Chemical Engineering Journal</i> , 2022, 431, 134044.	6.6	24
187	Influences of acid-base property of membrane on interfacial interactions related with membrane fouling in a membrane bioreactor based on thermodynamic assessment. <i>Bioresource Technology</i> , 2016, 214, 355-362.	4.8	23
188	Quantitative assessment of interfacial forces between two rough surfaces and its implications for anti-adhesion membrane fabrication. <i>Separation and Purification Technology</i> , 2017, 189, 238-245.	3.9	23
189	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
190	Preparation and Characterization of Ag-Loaded SmVO ₄ for Photocatalysis Application. <i>Photochemistry and Photobiology</i> , 2013, 89, 529-535.	1.3	22
191	Experimental evidence for osmotic pressure-induced fouling in a membrane bioreactor. <i>Bioresource Technology</i> , 2014, 158, 119-126.	4.8	22
192	<i>In Silico</i> Investigation of the Thyroid Hormone Activity of Hydroxylated Polybrominated Diphenyl Ethers. <i>Chemical Research in Toxicology</i> , 2015, 28, 1538-1545.	1.7	22
193	Magnetic ZnFe ₂ O ₄ @chitosan encapsulated in graphene oxide for adsorptive removal of organic dye. <i>RSC Advances</i> , 2017, 7, 28145-28151.	1.7	22
194	A New Approach of Rpf Addition to Explore Bacterial Consortium for Enhanced Phenol Degradation Under High Salinity Conditions. <i>Current Microbiology</i> , 2018, 75, 1046-1054.	1.0	22
195	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
196	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
197	Graphynes: ideal supports of single atoms for electrochemical energy conversion. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3905-3932.	5.2	21
198	Thiophene insertion and lanthanum molybdate modification of g-C ₃ N ₄ for enhanced visible-light-driven photoactivity in tetracycline degradation. <i>Applied Surface Science</i> , 2022, 592, 153337.	3.1	21

#	ARTICLE	IF	CITATIONS
199	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
200	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
201	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
202	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
203	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
204	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
205	Tuning anti-adhesion ability of membrane for a membrane bioreactor by thermodynamic analysis. <i>Bioresource Technology</i> , 2016, 216, 691-698.	4.8	18
206	Characterization of foaming and non-foaming sludge relating to aeration and the implications for membrane fouling control in submerged membrane bioreactors. <i>Journal of Water Process Engineering</i> , 2019, 28, 250-259.	2.6	18
207	Pesticides in human milk collected from Jinhua, China: Levels, influencing factors and health risk assessment. <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111331.	2.9	18
208	Simultaneously improving mechanical strength, hydrophobic property and flame retardancy of ethylene vinyl acetate copolymer/intumescent flame retardant/FeOOH by introducing modified fumed silica. <i>Materials Today Communications</i> , 2021, 26, 102114.	0.9	18
209	New Application and Excellent Performance of Ag/KNbO ₃ Nanocomposite in Photocatalytic NH ₃ Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , 0, .	3.2	17
210	Cyclophosphamide induced physiological and biochemical changes in mice with an emphasis on sensitivity analysis. <i>Ecotoxicology and Environmental Safety</i> , 2021, 211, 111889.	2.9	17
211	A biobased flame retardant towards improvement of flame retardancy and mechanical property of ethylene vinyl acetate. <i>Chinese Chemical Letters</i> , 2023, 34, 107202.	4.8	17
212	Preparation, characterization, and photocatalytic activity of CdV ₂ O ₆ nanorods decorated g-C ₃ N ₄ composite. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 240-247.	4.8	16
213	Dual active sites of the Co ₂ N and single-atom Co@N ₄ embedded in nitrogen-rich nanocarbons: a robust electrocatalyst for oxygen reduction reactions. <i>Nanotechnology</i> , 2020, 31, 165401.	1.3	16
214	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
215	<sc>YL529</sc>, a novel, orally available multikinase inhibitor, potently inhibits angiogenesis and tumour growth in preclinical models. <i>British Journal of Pharmacology</i> , 2013, 169, 1766-1780.	2.7	15
216	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

#	ARTICLE	IF	CITATIONS
217	Membrane fouling in a microalgal-bacterial membrane photobioreactor: Effects of P-availability controlled by N:P ratio. <i>Chemosphere</i> , 2021, 282, 131015.	4.2	15
218	Evaluation of membrane fouling in a microalgal-bacterial membrane photobioreactor: Effects of SRT. <i>Science of the Total Environment</i> , 2022, 839, 156414.	3.9	15
219	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.	4.2	14
220	Simulation of foulant bioparticle topography based on Gaussian process and its implications for interface behavior research. <i>Applied Surface Science</i> , 2018, 434, 975-981.	3.1	13
221	In-situ growth of UiO-66-NH ₂ in porous polymeric substrates at room temperature for fabrication of mixed matrix membranes with fast molecular separation performance. <i>Chemical Engineering Journal</i> , 2022, 435, 134804.	6.6	13
222	Molecular level insights into the dynamic evolution of forward osmosis fouling via thermodynamic modeling and quantum chemistry calculation: Effect of protein/polysaccharide ratios. <i>Journal of Membrane Science</i> , 2022, 655, 120588.	4.1	13
223	Current Methods and Research Progress in Nanomaterials Risk Assessment. <i>Current Drug Metabolism</i> , 2012, 13, 354-363.	0.7	12
224	Effects of ozone pretreatment on the formation of disinfection by-products and its associated bromine substitution factors upon chlorination/chloramination of Tai Lake water. <i>Science of the Total Environment</i> , 2014, 475, 23-28.	3.9	12
225	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.	4.8	11
226	Effects of solids retention time on the biological performance of a novel microalgal-bacterial membrane photobioreactor for industrial wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105500.	3.3	11
227	Developing QSPR model of gas/particle partition coefficients of neutral poly-/perfluoroalkyl substances. <i>Atmospheric Environment</i> , 2016, 143, 270-277.	1.9	10
228	The enhanced compatibility and flame retarding ability of UHMWPE-MH composites by adding phenoxy-cyclophosphazene (HPCTP). <i>Polymer Bulletin</i> , 2017, 74, 3639-3655.	1.7	10
229	Factors affecting formation of haloacetonitriles and halo ketones during chlorination/monochloramination of Jinlan Reservoir water. <i>Water Science and Technology: Water Supply</i> , 2013, 13, 1123-1129.	1.0	9
230	Validation of a high-performance liquid chromatographic ultraviolet detection method for the quantification of vandetanib in rat plasma and its application to pharmacokinetic studies. <i>Journal of Cancer Research and Therapeutics</i> , 2014, 10, 84.	0.3	9
231	Adsorption of Methyl Violet Onto Mesoporous MCM-48 from Aqueous Solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 4655-4663.	0.9	9
232	Preparation, characterization and photocatalytic activity of graphene doped SmVO ₄ photocatalyst. <i>Materials Letters</i> , 2014, 122, 17-20.	1.3	9
233	Impacts of morphology on fouling propensity in a membrane bioreactor based on thermodynamic analyses. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 282-290.	5.0	9
234	Synergistic fouling behaviors and thermodynamic mechanisms of proteins and polysaccharides in forward osmosis: The unique role of reverse solute diffusion. <i>Desalination</i> , 2022, 536, 115850.	4.0	9

#	ARTICLE	IF	CITATIONS
235	A unified thermodynamic fouling mechanism based on forward osmosis membrane unique properties: An asymmetric structure and reverse solute diffusion. <i>Science of the Total Environment</i> , 2022, 808, 152219.	3.9	8
236	Membrane Photobioreactor Applied for Municipal Wastewater Treatment at a High Solids Retention Time: Effects of Microalgae Decay on Treatment Performance and Biomass Properties. <i>Membranes</i> , 2022, 12, 564.	1.4	8
237	Computational Insight into the Activation Mechanism of Carcinogenic <i>N</i> -Nitrosornicotine (NNN) Catalyzed by Cytochrome P450. <i>Environmental Science & Technology</i> , 2018, 52, 11838-11847.	4.6	7
238	Development and evaluation of predictive model for bovine serum albumin-water partition coefficients of neutral organic chemicals. <i>Ecotoxicology and Environmental Safety</i> , 2017, 138, 92-97.	2.9	6
239	Hot-pressed membrane assemblies enhancing the biofilm formation and nitrogen removal in a membrane-aerated biofilm reactor. <i>Science of the Total Environment</i> , 2022, 833, 155003.	3.9	6
240	Precursor characteristics of mono-HAAs during chlorination and cytotoxicity of mono-HAAs on HEK-293T cells. <i>Chemosphere</i> , 2022, 301, 134689.	4.2	6
241	Pharmacokinetic Studies of a Novel Multikinase Inhibitor for Treating Cancer by HPLC-UV. <i>Journal of Chromatographic Science</i> , 2013, 51, 17-20.	0.7	5
242	A small molecular agent YL529 inhibits VEGF-D-induced lymphangiogenesis and metastasis in preclinical tumor models in addition to its known antitumor activities. <i>BMC Cancer</i> , 2015, 15, 525.	1.1	5
243	Thermodynamic insights into membrane fouling in a membrane bioreactor: Evaluating thermodynamic interactions with Gaussian membrane surface. <i>Journal of Colloid and Interface Science</i> , 2018, 527, 280-288.	5.0	5
244	SKLB70326, a novel small-molecule inhibitor of cell-cycle progression, induces G0/G1 phase arrest and apoptosis in human hepatic carcinoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 421, 684-689.	1.0	4
245	Nitrogen Doped Nanoporous Carbon Derived from <i>Zizania Latifolia</i> for Adsorptive Removal of Bisphenol A. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1026-1034.	0.9	4
246	Author's responses to the comment by Seong-Hoon Yoon on "A new insight into membrane fouling mechanism in submerged membrane bioreactor: Osmotic pressure during cake layer filtration" published in <i>Water Research</i> , vol. 47, pp. 2777-2786, 2013. <i>Water Research</i> , 2013, 47, 4790-4791.	5.3	3
247	The observation of <i>PP</i> / <i>EVA</i> blends in which isotactic <i>PP</i> was preradiated with different radiation absorbed doses. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45057.	1.3	3
248	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
249	Water-dispersible, pH- and ultralong stable, biocompatible, and highly luminescent graphite-like poly(<i>l</i> -proline) dots: a cytoplasm staining reagent. <i>RSC Advances</i> , 2014, 4, 23826.	1.7	2
250	Advanced membrane bioreactor fouling control and prevention strategies. , 2020, , 209-224.		1
251	A review on predicting K_{ow} values of small organic compounds. <i>Chinese Science Bulletin</i> , 2015, 60, 1261-1271.	0.4	1
252	Effects of Van Der Waals Surface Energy on Membrane Fouling in a Submerged Membrane Bioreactor (MBR). <i>Current Environmental Engineering</i> , 2015, 2, 50-55.	0.6	1

#	ARTICLE	IF	CITATIONS
253	Adsorption of U(VI) by boron nitride-supported iron phosphotungstate: an experimental and mechanism study. <i>Scientia Sinica Chimica</i> , 2019, 49, 123-132.	0.2	0