

List of Publications by Year in descending order

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#	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

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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	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
22	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
23	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
24	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
25	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
26	Fouling mechanisms of gel layer in a submerged membrane bioreactor. <i>Bioresource Technology</i> , 2014, 166, 295-302.	4.8	133
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	Plant polyphenol intermediated metal-organic framework (MOF) membranes for efficient desalination. <i>Journal of Membrane Science</i> , 2021, 618, 118726.	4.1	94
49	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
50	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
51	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
52	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
53	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
54	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

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55	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
56	Thermodynamic analysis of membrane fouling in a submerged membrane bioreactor and its implications. <i>Bioresource Technology</i> , 2013, 146, 7-14.	4.8	83
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	Polymeric Membranes Incorporated With ZnO Nanoparticles for Membrane Fouling Mitigation: A Brief Review. <i>Frontiers in Chemistry</i> , 2020, 8, 224.	1.8	74
68	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
69	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
70	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
71	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
72	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

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73	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
74	Electroless Niâ€“Snâ€“P plating to fabricate nickel alloy coated polypropylene membrane with enhanced performance. <i>Journal of Membrane Science</i> , 2021, 640, 119820.	4.1	72
75	Inkjet printing assisted fabrication of polyphenol-based coating membranes for oil/water separation. <i>Chemosphere</i> , 2020, 250, 126236.	4.2	71
76	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
77	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
78	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
79	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
80	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
81	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
82	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
83	A new method for modeling rough membrane surface and calculation of interfacial interactions. <i>Bioresource Technology</i> , 2016, 200, 451-457.	4.8	66
84	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
85	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
86	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
87	Molecular insights into the impacts of iron(III) ions on membrane fouling by alginate. <i>Chemosphere</i> , 2020, 242, 125232.	4.2	64
88	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
89	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
90	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

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91	Model research and open sea tests of 100kW wave energy convertor Sharp Eagle Wanshan. <i>Renewable Energy</i> , 2017, 113, 587-595.	4.3	58
92	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
93	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
94	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
95	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
96	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
97	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
98	Enhancement of polychlorinated biphenyl biodegradation by resuscitation promoting factor (Rpf) and Rpf-responsive bacterial community. <i>Chemosphere</i> , 2021, 263, 128283.	4.2	55
99	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
100	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
101	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
102	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
103	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
104	Magnetic field assisted preparation of PES-Ni@MWCNTs membrane with enhanced permeability and antifouling performance. <i>Chemosphere</i> , 2020, 243, 125446.	4.2	53
105	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
106	Using simple and easy water quality parameters to predict trihalomethane occurrence in tap water. <i>Chemosphere</i> , 2022, 286, 131586.	4.2	52
107	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
108	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

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109	Membrane technologies for microalgal cultivation and dewatering: Recent progress and challenges. <i>Algal Research</i> , 2019, 44, 101686.	2.4	49
110	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
111	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
112	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
113	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
114	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
115	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
116	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
117	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
118	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
119	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
120	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
121	Membrane fouling in a submerged membrane bioreactor: Effect of pH and its implications. <i>Bioresource Technology</i> , 2014, 152, 7-14.	4.8	44
122	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
123	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
124	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
125	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
126	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

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127	<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
128	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
129	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
130	Thermophilic membrane bioreactors: A review. <i>Bioresource Technology</i> , 2017, 243, 1180-1193.	4.8	42
131	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
132	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
133	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
134	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
135	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
136	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
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