

## List of Publications by Year in descending order

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184  
papers

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times ranked

7613  
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#	ARTICLE	IF	CITATIONS
1	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
2	Facile preparation of Ag <sub>2</sub> S/KTa <sub>0.5</sub> Nb <sub>0.5</sub> O <sub>3</sub> 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
3	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
4	Using simple and easy water quality parameters to predict trihalomethane occurrence in tap water. <i>Chemosphere</i> , 2022, 286, 131586.	4.2	52
5	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
6	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
7	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
8	In-situ growth of UiO-66-NH <sub>2</sub> 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
9	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
10	Thiophene insertion and lanthanum molybdate modification of g-C <sub>3</sub> N <sub>4</sub> for enhanced visible-light-driven photoactivity in tetracycline degradation. <i>Applied Surface Science</i> , 2022, 592, 153337.	3.1	21
11	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
12	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
13	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
14	Enzyme-mimicking single-atom FeN <sub>4</sub> sites for enhanced photo-Fenton-like reactions. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121327.	10.8	57
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	Plant polyphenol intermediated metal-organic framework (MOF) membranes for efficient desalination. <i>Journal of Membrane Science</i> , 2021, 618, 118726.	4.1	94
26	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
27	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
28	A novel Bi <sub>2</sub> S <sub>3</sub> /KTa <sub>0.75</sub> Nb <sub>0.25</sub> O <sub>3</sub> nanocomposite with high efficiency for photocatalytic and piezocatalytic N <sub>2</sub> fixation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13344-13354.	5.2	109
29	<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
30	Molecular Engineering toward Pyrrolic N-Rich Mn <sub>4</sub> (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
31	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
32	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
33	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
34	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
35	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
36	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

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37	Significantly Enhanced Photocatalytic CO <sub>2</sub> Reduction by Surface Amorphization of Cocatalysts. <i>Small</i> , 2021, 17, e2102105.	5.2	34
38	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
39	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
40	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
41	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
42	Improved thermal stability and heat-aging resistance of silicone rubber via incorporation of UiO-66-NH <sub>2</sub> . <i>Materials Chemistry and Physics</i> , 2021, 274, 125182.	2.0	47
43	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
44	Facile synthesis of 2D TiO <sub>2</sub> @MXene composite membrane with enhanced separation and antifouling performance. <i>Journal of Membrane Science</i> , 2021, 640, 119854.	4.1	154
45	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
46	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
47	In situ preparation of g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> 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
48	Molecular insights into the impacts of iron(III) ions on membrane fouling by alginate. <i>Chemosphere</i> , 2020, 242, 125232.	4.2	64
49	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
50	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
51	Dual active sites of the Co <sub>2</sub> N and single-atom Co-N <sub>4</sub> embedded in nitrogen-rich nanocarbons: a robust electrocatalyst for oxygen reduction reactions. <i>Nanotechnology</i> , 2020, 31, 165401.	1.3	16
52	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
53	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
54	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

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55	Magnetic field assisted preparation of PES-Ni@MWCNTs membrane with enhanced permeability and antifouling performance. <i>Chemosphere</i> , 2020, 243, 125446.	4.2	53
56	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
57	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
58	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
59	What is the better choice for Pd cocatalysts for photocatalytic reduction of CO <sub>2</sub> to renewable fuels: high-crystallinity or amorphous?. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21208-21218.	5.2	23
60	Magnetic field assisted arrangement of photocatalytic TiO <sub>2</sub> 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
61	Advanced membrane bioreactor fouling control and prevention strategies. , 2020, , 209-224.		1
62	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
63	Polymeric Membranes Incorporated With ZnO Nanoparticles for Membrane Fouling Mitigation: A Brief Review. <i>Frontiers in Chemistry</i> , 2020, 8, 224.	1.8	74
64	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
65	Facile fabrication of novel Ag <sub>2</sub> S/K-g-C <sub>3</sub> N <sub>4</sub> composite and its enhanced performance in photocatalytic H <sub>2</sub> evolution. <i>Journal of Colloid and Interface Science</i> , 2020, 568, 117-129.	5.0	167
66	Inkjet printing assisted fabrication of polyphenol-based coating membranes for oil/water separation. <i>Chemosphere</i> , 2020, 250, 126236.	4.2	71
67	A high-performance hybrid supercapacitor with NiO derived NiO@Ni-MOF composite electrodes. <i>Electrochimica Acta</i> , 2020, 340, 135956.	2.6	157
68	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
69	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
70	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
71	In-situ coating TiO <sub>2</sub> 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
72	Microwave heating preparation of phosphorus doped g-C <sub>3</sub> N <sub>4</sub> and its enhanced performance for photocatalytic H <sub>2</sub> evolution in the help of Ag <sub>3</sub> PO <sub>4</sub> nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 14354-14367.	3.8	195

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73	Rationally designed Ni <sub>2</sub> 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
74	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
75	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
76	Membrane fouling caused by biological foams in a submerged membrane bioreactor: Mechanism insights. <i>Water Research</i> , 2020, 181, 115932.	5.3	189
77	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
78	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
79	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
80	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
81	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
82	Effectively H <sub>2</sub> generation over CdS/KTa <sub>0.75</sub> Nb <sub>0.25</sub> O <sub>3</sub> composite via water splitting. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 622-632.	5.0	30
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	In-situ synthesis of AgNbO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> photocatalyst via microwave heating method for efficiently photocatalytic H <sub>2</sub> generation. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 163-171.	5.0	174

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91	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
92	Rapid fabrication of KTa <sub>0.75</sub> Nb <sub>0.25</sub> /g-C <sub>3</sub> N <sub>4</sub> composite via microwave heating for efficient photocatalytic H <sub>2</sub> evolution. <i>Fuel</i> , 2019, 241, 1-11.	3.4	101
93	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
94	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
95	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
96	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
97	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
98	Synthesis of carbon-doped KNbO <sub>3</sub> photocatalyst with excellent performance for photocatalytic hydrogen production. <i>Solar Energy Materials and Solar Cells</i> , 2018, 179, 45-56.	3.0	163
99	Synthesis of KNbO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> composite and its new application in photocatalytic H <sub>2</sub> generation under visible light irradiation. <i>Journal of Materials Science</i> , 2018, 53, 7453-7465.	1.7	57
100	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
101	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
102	Revealing potential functions of VBNC bacteria in polycyclic aromatic hydrocarbons biodegradation. <i>Letters in Applied Microbiology</i> , 2018, 66, 277-283.	1.0	24
103	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
104	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
105	Giant enhancement of photocatalytic H <sub>2</sub> production over KNbO <sub>3</sub> photocatalyst obtained via carbon doping and MoS <sub>2</sub> decoration. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4347-4354.	3.8	91
106	Enhanced visible-light-driven photocatalysis from WS <sub>2</sub> quantum dots coupled to BiOCl nanosheets: synergistic effect and mechanism insight. <i>Catalysis Science and Technology</i> , 2018, 8, 201-209.	2.1	95
107	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
108	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

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109	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
110	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
111	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
112	Rapid and energy-efficient preparation of boron doped g-C <sub>3</sub> N <sub>4</sub> with excellent performance in photocatalytic H <sub>2</sub> -evolution. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 19984-19989.	3.8	137
113	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
114	Novel Ternary MoS <sub>2</sub> /C-ZnO Composite with Efficient Performance in Photocatalytic NH <sub>3</sub> Synthesis under Simulated Sunlight. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14866-14879.	3.2	67
115	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
116	Novel carbon modified KTa <sub>0.75</sub> Nb <sub>0.25</sub> O <sub>3</sub> nanocubes with excellent efficiency in photocatalytic H <sub>2</sub> evolution. <i>Fuel</i> , 2018, 233, 486-496.	3.4	33
117	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
118	New strategy of grafting hydroxyethyl acrylate (HEA) via $\gamma$ 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
119	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
120	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
121	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
122	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
123	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
124	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
125	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
126	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

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