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List of Publications by Year in descending order

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56
papers

3,426
citations

126708

33
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149479

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all docs

56
docs citations

56
times ranked

2878
citing authors

#	ARTICLE	IF	CITATIONS
1	Gravity-driven membrane filtration for water and wastewater treatment: A review. <i>Water Research</i> , 2019, 149, 553-565.	5.3	306
2	Incorporation of Cellulose Nanocrystals (CNCs) into the Polyamide Layer of Thin-Film Composite (TFC) Nanofiltration Membranes for Enhanced Separation Performance and Antifouling Properties. <i>Environmental Science & Technology</i> , 2018, 52, 11178-11187.	4.6	185
3	Fabrication and characterization of thin-film composite (TFC) nanofiltration membranes incorporated with cellulose nanocrystals (CNCs) for enhanced desalination performance and dye removal. <i>Chemical Engineering Journal</i> , 2019, 358, 1519-1528.	6.6	183
4	Ferrous iron/peroxymonosulfate oxidation as a pretreatment for ceramic ultrafiltration membrane: Control of natural organic matter fouling and degradation of atrazine. <i>Water Research</i> , 2017, 113, 32-41.	5.3	173
5	Effects of pre-ozonation on the ultrafiltration of different natural organic matter (NOM) fractions: Membrane fouling mitigation, prediction and mechanism. <i>Journal of Membrane Science</i> , 2016, 505, 15-25.	4.1	142
6	Flower-like BiOBr/UlO-66-NH ₂ nanosphere with improved photocatalytic property for norfloxacin removal. <i>Chemosphere</i> , 2019, 220, 98-106.	4.2	130
7	Life cycle assessment of sewage sludge treatment and disposal based on nutrient and energy recovery: A review. <i>Science of the Total Environment</i> , 2021, 769, 144451.	3.9	122
8	Surface modification of UF membranes with functionalized MWCNTs to control membrane fouling by NOM fractions. <i>Journal of Membrane Science</i> , 2015, 492, 400-411.	4.1	121
9	Sludge activated carbon-based CoFe ₂ O ₄ -SAC nanocomposites used as heterogeneous catalysts for degrading antibiotic norfloxacin through activating peroxymonosulfate. <i>Chemical Engineering Journal</i> , 2020, 384, 123319.	6.6	121
10	Free-standing hierarchical γ -MnO ₂ @CuO membrane for catalytic filtration degradation of organic pollutants. <i>Chemosphere</i> , 2018, 200, 237-247.	4.2	101
11	Impact of aeration shear stress on permeate flux and fouling layer properties in a low pressure membrane bioreactor for the treatment of grey water. <i>Journal of Membrane Science</i> , 2016, 510, 382-390.	4.1	100
12	Surface coating of UF membranes to improve antifouling properties: A comparison study between cellulose nanocrystals (CNCs) and cellulose nanofibrils (CNFs). <i>Chemosphere</i> , 2019, 217, 76-84.	4.2	88
13	Application of Fe(II)/peroxymonosulfate for improving ultrafiltration membrane performance in surface water treatment: Comparison with coagulation and ozonation. <i>Water Research</i> , 2017, 124, 298-307.	5.3	88
14	Mussel-inspired polydopamine modification of polymeric membranes for the application of water and wastewater treatment: A review. <i>Chemical Engineering Research and Design</i> , 2020, 157, 195-214.	2.7	87
15	Photocatalytic reduction of Uranium(VI) under visible light with Sn-doped In ₂ S ₃ microspheres. <i>Chemosphere</i> , 2018, 212, 114-123.	4.2	80
16	Cellulose nanocrystal-blended polyethersulfone membranes for enhanced removal of natural organic matter and alleviation of membrane fouling. <i>Chemical Engineering Journal</i> , 2020, 382, 122919.	6.6	78
17	A low energy gravity-driven membrane bioreactor system for grey water treatment: Permeability and removal performance of organics. <i>Journal of Membrane Science</i> , 2017, 542, 408-417.	4.1	77
18	Combined effects of PAC adsorption and in situ chlorination on membrane fouling in a pilot-scale coagulation and ultrafiltration process. <i>Chemical Engineering Journal</i> , 2016, 283, 1374-1383.	6.6	72

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19	Coupling GAC to ultra-low-pressure filtration to modify the biofouling layer and bio-community: Flux enhancement and water quality improvement. <i>Chemical Engineering Journal</i> , 2018, 333, 289-299.	6.6	67
20	In situ coagulation versus pre-coagulation for gravity-driven membrane bioreactor during decentralized sewage treatment: Permeability stabilization, fouling layer formation and biological activity. <i>Water Research</i> , 2017, 126, 197-207.	5.3	64
21	Application of membrane distillation to anaerobic digestion effluent treatment: Identifying culprits of membrane fouling and scaling. <i>Science of the Total Environment</i> , 2019, 688, 880-889.	3.9	63
22	Fabrication of Mn oxide incorporated ceramic membranes for membrane fouling control and enhanced catalytic ozonation of p-chloronitrobenzene. <i>Chemical Engineering Journal</i> , 2017, 308, 1010-1020.	6.6	62
23	Removal of manganese from groundwater in the ripened sand filtration: Biological oxidation versus chemical auto-catalytic oxidation. <i>Chemical Engineering Journal</i> , 2020, 382, 123033.	6.6	62
24	Control of ultrafiltration membrane fouling caused by algal extracellular organic matter (EOM) using enhanced Al coagulation with permanganate. <i>Separation and Purification Technology</i> , 2017, 172, 51-58.	3.9	54
25	A low pressure gravity-driven membrane filtration (GDM) system for rainwater recycling: Flux stabilization and removal performance. <i>Chemosphere</i> , 2017, 172, 21-28.	4.2	52
26	Effects of GAC layer on the performance of gravity-driven membrane filtration (GDM) system for rainwater recycling. <i>Chemosphere</i> , 2018, 191, 253-261.	4.2	50
27	Advanced oxidation processes (AOPs)-based sludge conditioning for enhanced sludge dewatering and micropollutants removal: A critical review. <i>Journal of Water Process Engineering</i> , 2022, 45, 102468.	2.6	50
28	Fluorescent natural organic matter responsible for ultrafiltration membrane fouling: Fate, contributions and fouling mechanisms. <i>Chemosphere</i> , 2017, 182, 183-193.	4.2	49
29	Biological pre-treatments enhance gravity-driven membrane filtration for the decentralized water supply: Linking extracellular polymeric substances formation to flux stabilization. <i>Journal of Cleaner Production</i> , 2018, 197, 721-731.	4.6	43
30	Effect of adding wood chips on sewage sludge dewatering in a pilot-scale plate-and-frame filter press process. <i>RSC Advances</i> , 2014, 4, 24762-24768.	1.7	40
31	Effect of operation parameters on the flux stabilization of gravity-driven membrane (GDM) filtration system for decentralized water supply. <i>Environmental Science and Pollution Research</i> , 2016, 23, 16771-16780.	2.7	39
32	Membrane technology for rainwater treatment and reuse: A mini review. <i>Water Cycle</i> , 2021, 2, 51-63.	2.1	39
33	High-rate nitrogen removal and microbial community of an up-flow anammox reactor with ceramics as biomass carrier. <i>Chemosphere</i> , 2014, 113, 125-131.	4.2	38
34	Performance of adsorption pretreatment in mitigating humic acid fouling of ultrafiltration membrane under environmentally relevant ionic conditions. <i>Desalination</i> , 2016, 377, 91-98.	4.0	37
35	Effect of calcium addition on sludge properties and membrane fouling potential of the membrane-coupled expanded granular sludge bed process. <i>Journal of Membrane Science</i> , 2015, 489, 55-63.	4.1	30
36	Synergistic effects of wheat straw powder and persulfate/Fe(II) on enhancing sludge dewaterability. <i>Chemosphere</i> , 2019, 215, 333-341.	4.2	28

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37	Effect of granular activated carbon addition on the effluent properties and fouling potentials of membrane-coupled expanded granular sludge bed process. <i>Bioresource Technology</i> , 2014, 171, 240-246.	4.8	27
38	Effect of PAC particle layer on the performance of gravity-driven membrane filtration (GDM) system during rainwater treatment. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 48-57.	1.2	25
39	Ultra-low pressure membrane-based bio-purification process for decentralized drinking water supply: Improved permeability and removal performance. <i>Chemosphere</i> , 2018, 211, 784-793.	4.2	23
40	Measuring the activity of heterotrophic microorganism in membrane bioreactor for drinking water treatment. <i>Bioresource Technology</i> , 2013, 130, 136-143.	4.8	22
41	A novel integrated vertical membrane bioreactor (IVMBR) for removal of nitrogen from synthetic wastewater/domestic sewage. <i>Chemical Engineering Journal</i> , 2013, 223, 908-914.	6.6	22
42	Effects of agricultural waste-based conditioner on ultrasonic-aided activated sludge dewatering. <i>RSC Advances</i> , 2015, 5, 43065-43073.	1.7	19
43	Microbial community composition and electricity generation in cattle manure slurry treatment using microbial fuel cells: effects of inoculum addition. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23226-23235.	2.7	19
44	Evaluations of holey graphene oxide modified ultrafiltration membrane and the performance for water purification. <i>Chemosphere</i> , 2021, 285, 131459.	4.2	19
45	Effect of metabolic uncoupler, 2,4-dinitrophenol (DNP) on sludge properties and fouling potential in ultrafiltration membrane process. <i>Science of the Total Environment</i> , 2019, 650, 1882-1888.	3.9	18
46	Improvement of sludge dewaterability by energy uncoupling combined with chemical re-flocculation: Reconstruction of floc, distribution of extracellular polymeric substances, and structure change of proteins. <i>Science of the Total Environment</i> , 2022, 816, 151646.	3.9	17
47	Membrane Distillation for Wastewater Treatment: A Mini Review. <i>Water (Switzerland)</i> , 2021, 13, 3480.	1.2	15
48	Co-application of energy uncoupling and ultrafiltration in sludge treatment: Evaluations of sludge reduction, supernatant recovery and membrane fouling control. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	3.3	14
49	Effects of the metabolic uncoupler TCS on residual sludge treatment: Analyses of the microbial community and sludge dewaterability potential. <i>Chemosphere</i> , 2022, 288, 132473.	4.2	13
50	In-situ utilization of membrane foulants (FeOx+MnOx) for the efficient membrane cleaning. <i>Water Research</i> , 2022, 210, 118004.	5.3	13
51	Presence of powdered activated carbon/zeolite layer on the performances of gravity-driven membrane (GDM) system for drinking water treatment: Ammonia removal and flux stabilization. <i>Science of the Total Environment</i> , 2021, 799, 149415.	3.9	11
52	Metabolic uncoupler, 3,3',4,4'-tetrachlorosalicylanilide addition for sludge reduction and fouling control in a gravity-driven membrane bioreactor. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	3.3	9
53	Modeling and simulation of an extended ASM2d model for the treatment of wastewater under different COD: N ratio. <i>Journal of Water Process Engineering</i> , 2021, 40, 101831.	2.6	8
54	Environmental and economic performances of incorporating Fenton-based processes into traditional sludge management systems. <i>Journal of Cleaner Production</i> , 2022, 364, 132613.	4.6	8

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55	Effects of poly aluminum chloride dosing positions on the performance of a pilot scale anoxic/oxic-membrane bioreactor (A/O-MBR). <i>Water Science and Technology</i> , 2015, 72, 689-695.	1.2	2
56	Effect of Fe(II)-Activated Peroxymonosulfate (PMS) on the Performance of Ultrafiltration (UF) Process for Secondary Effluent Treatment and Reuse. <i>Water (Switzerland)</i> , 2022, 14, 1726.	1.2	1