

# Faisal I Hai

## List of Publications by Year in descending order

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Version: 2024-02-01

194  
papers

13,670  
citations

17440

63  
h-index

23533

111  
g-index

200  
all docs

200  
docs citations

200  
times ranked

11880  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on the occurrence of micropollutants in the aquatic environment and their fate and removal during wastewater treatment. <i>Science of the Total Environment</i> , 2014, 473-474, 619-641.	8.0	2,812
2	Hybrid Treatment Systems for Dye Wastewater. <i>Critical Reviews in Environmental Science and Technology</i> , 2007, 37, 315-377.	12.8	439
3	Removal of trace organics by MBR treatment: The role of molecular properties. <i>Water Research</i> , 2011, 45, 2439-2451.	11.3	402
4	Optimization of process parameters for production of volatile fatty acid, biohydrogen and methane from anaerobic digestion. <i>Bioresource Technology</i> , 2016, 219, 738-748.	9.6	246
5	Understanding the factors controlling the removal of trace organic contaminants by white-rot fungi and their lignin modifying enzymes: A critical review. <i>Bioresource Technology</i> , 2013, 141, 97-108.	9.6	241
6	Forward osmosis as a platform for resource recovery from municipal wastewater - A critical assessment of the literature. <i>Journal of Membrane Science</i> , 2017, 529, 195-206.	8.2	182
7	Microbial fuel cell is emerging as a versatile technology: a review on its possible applications, challenges and strategies to improve the performances. <i>International Journal of Energy Research</i> , 2018, 42, 369-394.	4.5	173
8	Anaerobic co-digestion: A critical review of mathematical modelling for performance optimization. <i>Bioresource Technology</i> , 2016, 222, 498-512.	9.6	171
9	Performance of a novel osmotic membrane bioreactor (OMBR) system: Flux stability and removal of trace organics. <i>Bioresource Technology</i> , 2012, 113, 201-206.	9.6	164
10	Chemical coagulation-based processes for trace organic contaminant removal: Current state and future potential. <i>Journal of Environmental Management</i> , 2012, 111, 195-207.	7.8	163
11	The fate of pharmaceuticals, steroid hormones, phytoestrogens, UV-filters and pesticides during MBR treatment. <i>Bioresource Technology</i> , 2013, 144, 247-254.	9.6	163
12	The effect of activated carbon addition on membrane bioreactor processes for wastewater treatment and reclamation – A critical review. <i>Bioresource Technology</i> , 2015, 185, 399-410.	9.6	163
13	Osmotic versus conventional membrane bioreactors integrated with reverse osmosis for water reuse: Biological stability, membrane fouling, and contaminant removal. <i>Water Research</i> , 2017, 109, 122-134.	11.3	152
14	Removal of pharmaceuticals, steroid hormones, phytoestrogens, UV-filters, industrial chemicals and pesticides by <i>Trametes versicolor</i> : Role of biosorption and biodegradation. <i>International Biodeterioration and Biodegradation</i> , 2014, 88, 169-175.	3.9	143
15	Resource recovery from wastewater by anaerobic membrane bioreactors: Opportunities and challenges. <i>Bioresource Technology</i> , 2018, 270, 669-677.	9.6	140
16	Removal of micropollutants by membrane bioreactor under temperature variation. <i>Journal of Membrane Science</i> , 2011, 383, 144-151.	8.2	138
17	Sludge cycling between aerobic, anoxic and anaerobic regimes to reduce sludge production during wastewater treatment: Performance, mechanisms, and implications. <i>Bioresource Technology</i> , 2014, 155, 395-409.	9.6	138
18	Removal of trace organic contaminants by a membrane bioreactor-granular activated carbon (MBR-GAC) system. <i>Bioresource Technology</i> , 2012, 113, 169-173.	9.6	127

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19	Continuous adsorption and biotransformation of micropollutants by granular activated carbon-bound laccase in a packed-bed enzyme reactor. <i>Bioresource Technology</i> , 2016, 210, 108-116.	9.6	127
20	Direct immobilization of laccase on titania nanoparticles from crude enzyme extracts of <i>P. ostreatus</i> culture for micro-pollutant degradation. <i>Separation and Purification Technology</i> , 2017, 178, 215-223.	7.9	125
21	Carbamazepine as a Possible Anthropogenic Marker in Water: Occurrences, Toxicological Effects, Regulations and Removal by Wastewater Treatment Technologies. <i>Water (Switzerland)</i> , 2018, 10, 107.	2.7	124
22	Degradation of Pharmaceuticals and Personal Care Products by White-Rot Fungi—a Critical Review. <i>Current Pollution Reports</i> , 2017, 3, 88-103.	6.6	121
23	Trace organic contaminants in biosolids: Impact of conventional wastewater and sludge processing technologies and emerging alternatives. <i>Journal of Hazardous Materials</i> , 2015, 300, 1-17.	12.4	119
24	Simultaneous activated carbon adsorption within a membrane bioreactor for an enhanced micropollutant removal. <i>Bioresource Technology</i> , 2011, 102, 5319-5324.	9.6	115
25	Removal of emerging trace organic contaminants by MBR-based hybrid treatment processes. <i>International Biodeterioration and Biodegradation</i> , 2013, 85, 474-482.	3.9	114
26	Rejection and fate of trace organic compounds (TrOCs) during membrane distillation. <i>Journal of Membrane Science</i> , 2014, 453, 636-642.	8.2	113
27	Removal of carbamazepine and sulfamethoxazole by MBR under anoxic and aerobic conditions. <i>Bioresource Technology</i> , 2011, 102, 10386-10390.	9.6	112
28	Removal of trace organic contaminants by an MBR comprising a mixed culture of bacteria and white-rot fungi. <i>Bioresource Technology</i> , 2013, 148, 234-241.	9.6	112
29	Phosphorus and water recovery by a novel osmotic membrane bioreactor—reverse osmosis system. <i>Bioresource Technology</i> , 2016, 200, 297-304.	9.6	109
30	Removal of bisphenol A and diclofenac by a novel fungal membrane bioreactor operated under non-sterile conditions. <i>International Biodeterioration and Biodegradation</i> , 2013, 85, 483-490.	3.9	108
31	Development of a predictive framework to assess the removal of trace organic chemicals by anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2015, 189, 391-398.	9.6	107
32	Pesticide removal by a mixed culture of bacteria and white-rot fungi. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012, 43, 459-462.	5.3	101
33	High retention membrane bioreactors: Challenges and opportunities. <i>Bioresource Technology</i> , 2014, 167, 539-546.	9.6	101
34	Impacts of redox-mediator type on trace organic contaminants degradation by laccase: Degradation efficiency, laccase stability and effluent toxicity. <i>International Biodeterioration and Biodegradation</i> , 2016, 113, 169-176.	3.9	101
35	Evaluation of micropollutant removal and fouling reduction in a hybrid moving bed biofilm reactor—membrane bioreactor system. <i>Bioresource Technology</i> , 2015, 191, 355-359.	9.6	98
36	Removal of Pathogens by Membrane Bioreactors: A Review of the Mechanisms, Influencing Factors and Reduction in Chemical Disinfectant Dosing. <i>Water (Switzerland)</i> , 2014, 6, 3603-3630.	2.7	97

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37	A critical review on advanced oxidation processes for the removal of trace organic contaminants: A voyage from individual to integrated processes. <i>Chemosphere</i> , 2020, 260, 127460.	8.2	97
38	Occurrence of trace organic contaminants in wastewater sludge and their removals by anaerobic digestion. <i>Bioresource Technology</i> , 2016, 210, 153-159.	9.6	94
39	An anaerobic membrane bioreactor " membrane distillation hybrid system for energy recovery and water reuse: Removal performance of organic carbon, nutrients, and trace organic contaminants. <i>Science of the Total Environment</i> , 2018, 628-629, 358-365.	8.0	92
40	Development of a submerged membrane fungi reactor for textile wastewater treatment. <i>Desalination</i> , 2006, 192, 315-322.	8.2	89
41	A critical review of conventional and emerging methods for improving process stability in thermophilic anaerobic digestion. <i>Energy for Sustainable Development</i> , 2020, 54, 72-84.	4.5	88
42	Competitive adsorption of metals on cabbage waste from multi-metal solutions. <i>Bioresource Technology</i> , 2014, 160, 79-88.	9.6	87
43	A critical review of advanced oxidation processes for emerging trace organic contaminant degradation: Mechanisms, factors, degradation products, and effluent toxicity. <i>Journal of Water Process Engineering</i> , 2021, 40, 101778.	5.6	87
44	Biocatalytic degradation of pharmaceuticals, personal care products, industrial chemicals, steroid hormones and pesticides in a membrane distillation-enzymatic bioreactor. <i>Bioresource Technology</i> , 2018, 247, 528-536.	9.6	86
45	Removal and fate of micropollutants in a sponge-based moving bed bioreactor. <i>Bioresource Technology</i> , 2014, 159, 311-319.	9.6	85
46	Phosphorus recovery from digested sludge centrate using seawater-driven forward osmosis. <i>Separation and Purification Technology</i> , 2016, 163, 1-7.	7.9	84
47	Effects of salinity build-up on the performance of an anaerobic membrane bioreactor regarding basic water quality parameters and removal of trace organic contaminants. <i>Bioresource Technology</i> , 2016, 216, 399-405.	9.6	83
48	Simultaneous nitrification/denitrification and trace organic contaminant (TrOC) removal by an anoxic" aerobic membrane bioreactor (MBR). <i>Bioresource Technology</i> , 2014, 165, 96-104.	9.6	82
49	Continuous biotransformation of bisphenol A and diclofenac by "laccase in an enzymatic membrane reactor. <i>International Biodeterioration and Biodegradation</i> , 2014, 95, 25-32.	3.9	82
50	Indoor air pollution and exposure assessment of the gulf cooperation council countries: A critical review. <i>Environment International</i> , 2018, 121, 491-506.	10.0	82
51	Effects of salinity build-up on the performance and bacterial community structure of a membrane bioreactor. <i>Bioresource Technology</i> , 2016, 200, 305-310.	9.6	81
52	Enhanced biological phosphorus removal and its modeling for the activated sludge and membrane bioreactor processes. <i>Bioresource Technology</i> , 2013, 139, 363-374.	9.6	78
53	Selection of forward osmosis draw solutes for subsequent integration with anaerobic treatment to facilitate resource recovery from wastewater. <i>Bioresource Technology</i> , 2015, 191, 30-36.	9.6	78
54	Insight into greenhouse gases emissions from the two popular treatment technologies in municipal wastewater treatment processes. <i>Science of the Total Environment</i> , 2019, 671, 1302-1313.	8.0	78

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55	Bioaugmented membrane bioreactor (MBR) with a GAC-packed zone for high rate textile wastewater treatment. <i>Water Research</i> , 2011, 45, 2199-2206.	11.3	76
56	A chronicle of SARS-CoV-2: Seasonality, environmental fate, transport, inactivation, and antiviral drug resistance. <i>Journal of Hazardous Materials</i> , 2021, 405, 124043.	12.4	76
57	Laccase-mediated syringaldehyde-mediated degradation of trace organic contaminants in an enzymatic membrane reactor: Removal efficiency and effluent toxicity. <i>Bioresource Technology</i> , 2016, 200, 477-484.	9.6	75
58	A novel membrane distillation-thermophilic bioreactor system: Biological stability and trace organic compound removal. <i>Bioresource Technology</i> , 2014, 159, 334-341.	9.6	74
59	Removal of structurally different dyes in submerged membrane fungi reactor-Biosorption/PAC-adsorption, membrane retention and biodegradation. <i>Journal of Membrane Science</i> , 2008, 325, 395-403.	8.2	73
60	Coupling granular activated carbon adsorption with membrane bioreactor treatment for trace organic contaminant removal: Breakthrough behaviour of persistent and hydrophilic compounds. <i>Journal of Environmental Management</i> , 2013, 119, 173-181.	7.8	73
61	Effect of hydraulic retention time on the performance of a hybrid moving bed biofilm reactor-membrane bioreactor system for micropollutants removal from municipal wastewater. <i>Bioresource Technology</i> , 2018, 247, 1228-1232.	9.6	73
62	Microbial electrolysis followed by chemical precipitation for effective nutrients recovery from digested sludge centrate in WWTPs. <i>Chemical Engineering Journal</i> , 2019, 361, 256-265.	12.7	72
63	Effects of salinity build-up on biomass characteristics and trace organic chemical removal: Implications on the development of high retention membrane bioreactors. <i>Bioresource Technology</i> , 2015, 177, 274-281.	9.6	70
64	Degradation of diclofenac, trimethoprim, carbamazepine, and sulfamethoxazole by laccase from <i>Trametes versicolor</i> : Transformation products and toxicity of treated effluent. <i>Biocatalysis and Biotransformation</i> , 2019, 37, 399-408.	2.0	70
65	Extraction of strategically important elements from brines: Constraints and opportunities. <i>Water Research</i> , 2020, 168, 115149.	11.3	67
66	Liquid desiccant lithium chloride regeneration by membrane distillation for air conditioning. <i>Separation and Purification Technology</i> , 2017, 177, 121-128.	7.9	65
67	Impact of building ventilation systems and habitual indoor incense burning on SARS-CoV-2 virus transmissions in Middle Eastern countries. <i>Science of the Total Environment</i> , 2020, 733, 139356.	8.0	64
68	The effects of mediator and granular activated carbon addition on degradation of trace organic contaminants by an enzymatic membrane reactor. <i>Bioresource Technology</i> , 2014, 167, 169-177.	9.6	63
69	Bacterial community dynamics in an anoxic-aerobic membrane bioreactor - Impact on nutrient and trace organic contaminant removal. <i>International Biodeterioration and Biodegradation</i> , 2016, 109, 61-72.	3.9	63
70	Water extraction from mixed liquor of an aerobic bioreactor by forward osmosis: Membrane fouling and biomass characteristics assessment. <i>Separation and Purification Technology</i> , 2015, 145, 56-62.	7.9	60
71	Evaluating ionic organic draw solutes in osmotic membrane bioreactors for water reuse. <i>Journal of Membrane Science</i> , 2016, 514, 636-645.	8.2	59
72	Factors governing performance of continuous fungal reactor during non-sterile operation - The case of a membrane bioreactor treating textile wastewater. <i>Chemosphere</i> , 2009, 74, 810-817.	8.2	58

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73	Degradation of a broad spectrum of trace organic contaminants by an enzymatic membrane reactor: Complementary role of membrane retention and enzymatic degradation. <i>International Biodeterioration and Biodegradation</i> , 2015, 99, 115-122.	3.9	58
74	Potential of porous Co <sub>3</sub> O <sub>4</sub> nanorods as cathode catalyst for oxygen reduction reaction in microbial fuel cells. <i>Bioresource Technology</i> , 2016, 220, 537-542.	9.6	58
75	The role of forward osmosis and microfiltration in an integrated osmotic-microfiltration membrane bioreactor system. <i>Chemosphere</i> , 2015, 136, 125-132.	8.2	56
76	An Osmotic Membrane Bioreactor-Membrane Distillation System for Simultaneous Wastewater Reuse and Seawater Desalination: Performance and Implications. <i>Environmental Science &amp; Technology</i> , 2017, 51, 14311-14320.	10.0	56
77	Application of a GAC-coated hollow fiber module to couple enzymatic degradation of dye on membrane to whole cell biodegradation within a membrane bioreactor. <i>Journal of Membrane Science</i> , 2012, 389, 67-75.	8.2	54
78	Different fouling modes of submerged hollow-fiber and flat-sheet membranes induced by high strength wastewater with concurrent biofouling. <i>Desalination</i> , 2005, 180, 89-97.	8.2	53
79	Degradation of azo dye acid orange 7 in a membrane bioreactor by pellets and attached growth of <i>Coriolus versicolor</i> . <i>Bioresource Technology</i> , 2013, 141, 29-34.	9.6	53
80	Factors governing the pre-concentration of wastewater using forward osmosis for subsequent resource recovery. <i>Science of the Total Environment</i> , 2016, 566-567, 559-566.	8.0	52
81	Nutrient and trace organic contaminant removal from wastewater of a resort town: Comparison between a pilot and a full scale membrane bioreactor. <i>International Biodeterioration and Biodegradation</i> , 2015, 102, 40-48.	3.9	51
82	Understanding the fate and control of road dust-associated microplastics in stormwater. <i>Chemical Engineering Research and Design</i> , 2021, 152, 47-57.	5.6	50
83	Is halogen content the most important factor in the removal of halogenated trace organics by MBR treatment?. <i>Bioresource Technology</i> , 2011, 102, 6299-6303.	9.6	47
84	Effects of sulphur on the performance of an anaerobic membrane bioreactor: Biological stability, trace organic contaminant removal, and membrane fouling. <i>Bioresource Technology</i> , 2018, 250, 171-177.	9.6	47
85	A mini review on biofouling on air cathode of single chamber microbial fuel cell; prevention and mitigation strategies. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 22, 101370.	3.1	47
86	Comparison between sequential and simultaneous application of activated carbon with membrane bioreactor for trace organic contaminant removal. <i>Bioresource Technology</i> , 2013, 130, 412-417.	9.6	46
87	Biodegradation of cellulose triacetate and polyamide forward osmosis membranes in an activated sludge bioreactor: Observations and implications. <i>Journal of Membrane Science</i> , 2016, 510, 284-292.	8.2	46
88	Impact of wastewater derived dissolved interfering compounds on growth, enzymatic activity and trace organic contaminant removal of white rot fungi – A critical review. <i>Journal of Environmental Management</i> , 2017, 201, 89-109.	7.8	46
89	A review of mechanisms underlying the impacts of (nano)microplastics on anaerobic digestion. <i>Bioresource Technology</i> , 2021, 329, 124894.	9.6	46
90	Enhancement of trace organic contaminant degradation by crude enzyme extract from <i>Trametes versicolor</i> culture: Effect of mediator type and concentration. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1855-1862.	5.3	44

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91	New and practical mathematical model of membrane fouling in an aerobic submerged membrane bioreactor. <i>Bioresource Technology</i> , 2017, 238, 86-94.	9.6	44
92	Improved recovery of bioenergy and osmotic water in an osmotic microbial fuel cell using micro-diffuser assisted marine aerobic biofilm on cathode. <i>Biochemical Engineering Journal</i> , 2017, 128, 235-242.	3.6	44
93	Ambient air quality and exposure assessment study of the Gulf Cooperation Council countries: A critical review. <i>Science of the Total Environment</i> , 2018, 636, 437-448.	8.0	44
94	Microbial electrochemical systems for hydrogen peroxide synthesis: Critical review of process optimization, prospective environmental applications, and challenges. <i>Bioresource Technology</i> , 2020, 313, 123727.	9.6	44
95	Holistic sludge management through ozonation: A critical review. <i>Journal of Environmental Management</i> , 2017, 185, 79-95.	7.8	43
96	Treatment of saline aqueous solutions using direct contact membrane distillation. <i>Desalination and Water Treatment</i> , 2011, 32, 234-241.	1.0	42
97	Removal of trace organic contaminants by nitrifying activated sludge and whole-cell and crude enzyme extract of <i>Trametes versicolor</i> . <i>Water Science and Technology</i> , 2013, 67, 1216-1223.	2.5	42
98	Understanding the mechanisms of trace organic contaminant removal by high retention membrane bioreactors: a critical review. <i>Environmental Science and Pollution Research</i> , 2019, 26, 34085-34100.	5.3	40
99	Public perceptions of reusing treated wastewater for urban and industrial applications: challenges and opportunities. <i>Environment, Development and Sustainability</i> , 2020, 22, 1859-1871.	5.0	39
100	Removal of N-nitrosamines by an aerobic membrane bioreactor. <i>Bioresource Technology</i> , 2013, 141, 41-45.	9.6	36
101	Ultraviolet/persulfate pre-treatment for organic fouling mitigation of forward osmosis membrane: Possible application in nutrient mining from dairy wastewater. <i>Separation and Purification Technology</i> , 2019, 217, 215-220.	7.9	36
102	Towards upscaling microbial desalination cell technology: A comprehensive review on current challenges and future prospects. <i>Journal of Cleaner Production</i> , 2021, 288, 125597.	9.3	36
103	Biosolids reduction by the oxic-settling-anoxic process: Impact of sludge interchange rate. <i>Bioresource Technology</i> , 2016, 210, 167-173.	9.6	35
104	Enhancement of removal of trace organic contaminants by powdered activated carbon dosing into membrane bioreactors. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 571-578.	5.3	34
105	Assessing the integration of forward osmosis and anaerobic digestion for simultaneous wastewater treatment and resource recovery. <i>Bioresource Technology</i> , 2018, 260, 221-226.	9.6	34
106	Persulfate oxidation-assisted membrane distillation process for micropollutant degradation and membrane fouling control. <i>Separation and Purification Technology</i> , 2019, 222, 321-331.	7.9	34
107	Impact of simultaneous retention of micropollutants and laccase on micropollutant degradation in enzymatic membrane bioreactor. <i>Bioresource Technology</i> , 2018, 267, 473-480.	9.6	33
108	Effects of sludge retention time on oxic-settling-anoxic process performance: Biosolids reduction and dewatering properties. <i>Bioresource Technology</i> , 2016, 218, 1187-1194.	9.6	30



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109	Effects of thermal pre-treatment and recuperative thickening on the fate of trace organic contaminants during anaerobic digestion of sewage sludge. <i>International Biodeterioration and Biodegradation</i> , 2017, 124, 146-154.	3.9	30
110	Removal of trace organic contaminants by enzymatic membrane bioreactors: Role of membrane retention and biodegradation. <i>Journal of Membrane Science</i> , 2020, 611, 118345.	8.2	30
111	Energy recovery and carbon/nitrogen removal from sewage and contaminated groundwater in a coupled hydrolytic-acidogenic sequencing batch reactor and denitrifying biocathode microbial fuel cell. <i>Environmental Research</i> , 2020, 183, 109273.	7.5	30
112	Integration of an enzymatic bioreactor with membrane distillation for enhanced biodegradation of trace organic contaminants. <i>International Biodeterioration and Biodegradation</i> , 2017, 124, 73-81.	3.9	29
113	Identification, classification and quantification of microplastics in road dust and stormwater. <i>Chemosphere</i> , 2022, 299, 134389.	8.2	29
114	A critical review of process parameters influencing the fate of antibiotic resistance genes in the anaerobic digestion of organic waste. <i>Bioresource Technology</i> , 2022, 354, 127189.	9.6	29
115	Fouling resistant compact hollow-fiber module with spacer for submerged membrane bioreactor treating high strength industrial wastewater. <i>Journal of Membrane Science</i> , 2008, 317, 34-42.	8.2	28
116	The role of microbial diversity and composition in minimizing sludge production in the oxic-settling-anoxic process. <i>Science of the Total Environment</i> , 2017, 607-608, 558-567.	8.0	28
117	Assessment of hydrogen sulfide emission from a sewage treatment plant using AERMOD. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 263.	2.7	27
118	Physical cleaning techniques to control fouling during the pre-concentration of high suspended-solid content solutions for resource recovery by forward osmosis. <i>Desalination</i> , 2018, 429, 134-141.	8.2	27
119	Acid mine drainage and sewage impacted groundwater treatment by membrane distillation: Organic micropollutant and metal removal and membrane fouling. <i>Journal of Environmental Management</i> , 2021, 291, 112708.	7.8	25
120	Development of a bio-physicochemical technique for arsenic removal from groundwater. <i>Desalination</i> , 2009, 249, 224-229.	8.2	24
121	Membrane Biological Reactors. , 2011, , 571-613.		24
122	Rock bolt corrosion – an experimental study. <i>Mining Technology: Transactions of the Institute of Materials, Minerals and Mining Section A</i> , 2014, 123, 69-77.	0.8	23
123	Biological performance and trace organic contaminant removal by a side-stream ceramic nanofiltration membrane bioreactor. <i>International Biodeterioration and Biodegradation</i> , 2016, 113, 49-56.	3.9	23
124	Combining enzymatic membrane bioreactor and ultraviolet photolysis for enhanced removal of trace organic contaminants: Degradation efficiency and by-products formation. <i>Chemical Engineering Research and Design</i> , 2021, 145, 110-119.	5.6	23
125	Occurrence and bioconcentration of micropollutants in Silver Perch ( <i>Bidyanus bidyanus</i> ) in a reclaimed water reservoir. <i>Science of the Total Environment</i> , 2019, 650, 585-593.	8.0	22
126	Causes, Factors, and Control Measures of Opportunistic Premise Plumbing Pathogens – A Critical Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4474.	2.5	22



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127	Degradation of Trace Organic Contaminants by a Membrane Distillation-Enzymatic Bioreactor. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 879.	2.5	21
128	Effects of iron salt addition on biosolids reduction by oxic-settling-anoxic (OSA) process. <i>International Biodeterioration and Biodegradation</i> , 2015, 104, 391-400.	3.9	19
129	Fate of trace organic contaminants in oxic-settling-anoxic (OSA) process applied for biosolids reduction during wastewater treatment. <i>Bioresource Technology</i> , 2017, 240, 181-191.	9.6	19
130	Current Status of Marine Pollution and Mitigation Strategies in Arid Region: A Detailed Review. <i>Ocean Science Journal</i> , 2019, 54, 317-348.	1.3	19
131	Reduction of excess sludge production by membrane bioreactor coupled with anoxic side-stream reactors. <i>Journal of Environmental Management</i> , 2021, 281, 111919.	7.8	19
132	Membrane fouling in direct contact membrane distillation for liquid desiccant regeneration: Effects of feed temperature and flow velocity. <i>Journal of Membrane Science</i> , 2022, 642, 119936.	8.2	19
133	Impact of hazardous events on the removal of nutrients and trace organic contaminants by an anoxic-aerobic membrane bioreactor receiving real wastewater. <i>Bioresource Technology</i> , 2015, 192, 192-201.	9.6	18
134	The fate of trace organic contaminants in sewage sludge during recuperative thickening anaerobic digestion. <i>Bioresource Technology</i> , 2017, 240, 197-206.	9.6	18
135	Continuous transformation of chiral pharmaceuticals in enzymatic membrane bioreactors for advanced wastewater treatment. <i>Water Science and Technology</i> , 2017, 76, 1816-1826.	2.5	18
136	Exposure assessment to road traffic noise levels and health effects in an arid urban area. <i>Environmental Science and Pollution Research</i> , 2020, 27, 35051-35064.	5.3	18
137	Association between human health and indoor air pollution in the Gulf Cooperation Council (GCC) countries: a review. <i>Reviews on Environmental Health</i> , 2020, 35, 157-171.	2.4	18
138	Molecular Methods for Pathogenic Bacteria Detection and Recent Advances in Wastewater Analysis. <i>Water (Switzerland)</i> , 2021, 13, 3551.	2.7	18
139	A Novel Approach in Crude Enzyme Laccase Production and Application in Emerging Contaminant Bioremediation. <i>Processes</i> , 2020, 8, 648.	2.8	17
140	Effect of internal and external resistances on desalination in microbial desalination cell. <i>Water Science and Technology</i> , 2021, 83, 2389-2403.	2.5	17
141	Performance of a seawater-driven forward osmosis process for pre-concentrating digested sludge centrate: organic enrichment and membrane fouling. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1047-1056.	2.4	16
142	Mining phosphorus from anaerobically treated dairy manure by forward osmosis membrane. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 78, 425-432.	5.8	16
143	Elucidating the performance of an integrated laccase- and persulfate-assisted process for degradation of trace organic contaminants (TrOCs). <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1069-1082.	2.4	16
144	Direct contact membrane distillation for liquid desiccant regeneration and fresh water production: Experimental investigation, response surface modeling and optimization. <i>Applied Thermal Engineering</i> , 2021, 184, 116293.	6.0	16

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145	Membrane Biological Reactors: Theory, Modeling, Design, Management and Applications to Wastewater Reuse. <i>Water Intelligence Online</i> , 0, 12, .	0.3	15
146	Anodic performance of microbial electrolysis cells in response to ammonia nitrogen. <i>Journal of Environmental Engineering and Science</i> , 2019, 14, 37-43.	0.8	15
147	Simultaneous hexavalent chromium removal, water reclamation and electricity generation in osmotic bio-electrochemical system. <i>Separation and Purification Technology</i> , 2021, 263, 118155.	7.9	15
148	Emerging investigator series: phosphorus recovery from municipal wastewater by adsorption on steelmaking slag preceding forward osmosis: an integrated process. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1559-1567.	2.4	14
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