Muhammad B Asif

List of Publications by Year
in descending order

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41 papers	1,815 citations	236612 25 h-index	329751 37 g-index
42 all docs	42 docs citations	42 times ranked	1705 citing authors

#	Article	IF	Citations
1	Understanding the factors affecting the adsorption of Lanthanum using different adsorbents: A critical review. Chemosphere, 2018, 204, 413-430.	4.2	222
2	Ceramic membrane technology for water and wastewater treatment: A critical review of performance, full-scale applications, membrane fouling and prospects. Chemical Engineering Journal, 2021, 418, 129481.	6.6	217
3	Carbamazepine as a Possible Anthropogenic Marker in Water: Occurrences, Toxicological Effects, Regulations and Removal by Wastewater Treatment Technologies. Water (Switzerland), 2018, 10, 107.	1.2	124
4	Degradation of Pharmaceuticals and Personal Care Products by White-Rot Fungiâ€"a Critical Review. Current Pollution Reports, 2017, 3, 88-103.	3.1	121
5	Biocatalytic degradation of pharmaceuticals, personal care products, industrial chemicals, steroid hormones and pesticides in a membrane distillation-enzymatic bioreactor. Bioresource Technology, 2018, 247, 528-536.	4.8	86
6	Degradation of diclofenac, trimethoprim, carbamazepine, and sulfamethoxazole by laccase from Trametes versicolor: Transformation products and toxicity of treated effluent. Biocatalysis and Biotransformation, 2019, 37, 399-408.	1.1	70
7	Influence of relaxation modes on membrane fouling in submerged membrane bioreactor for domestic wastewater treatment. Chemosphere, 2017, 181, 19-25.	4.2	58
8	Lithium enrichment from a simulated salt lake brine using an integrated nanofiltration-membrane distillation process. Journal of Environmental Chemical Engineering, 2019, 7, 103395.	3.3	50
9	Exploring the relative changes in dissolved organic matter for assessing the water quality of full-scale drinking water treatment plants using a fluorescence ratio approach. Water Research, 2020, 183, 116125.	5.3	47
10	Impact of wastewater derived dissolved interfering compounds on growth, enzymatic activity and trace organic contaminant removal of white rot fungi â€“ A critical review. Journal of Environmental Management, 2017, 201, 89-109.	3.8	46
11	Powdered activated carbon â€“ Membrane bioreactor (PAC-MBR): Impacts of high PAC concentration on micropollutant removal and microbial communities. Science of the Total Environment, 2020, 745, 141090.	3.9	45
12	Fate and role of fluorescence moieties in extracellular polymeric substances during biological wastewater treatment: A review. Science of the Total Environment, 2020, 718, 137291.	3.9	45
13	Electrochemical membrane bioreactors: State-of-the-art and future prospects. Science of the Total Environment, 2020, 741, 140233.	3.9	44
14	Gravity-driven layered double hydroxide nanosheet membrane activated peroxymonosulfate system for micropollutant degradation. Journal of Hazardous Materials, 2022, 425, 127988.	6.5	41
15	Understanding the mechanisms of trace organic contaminant removal by high retention membrane bioreactors: a critical review. Environmental Science and Pollution Research, 2019, 26, 34085-34100.	2.7	40
16	Lithium recovery from salt-lake brine: Impact of competing cations, pretreatment and preconcentration. Chemosphere, 2020, 260, 127623.	4.2	38
17	Two-dimensional nanoporous and lamellar membranes for water purification: Reality or a myth?. Chemical Engineering Journal, 2022, 432, 134335.	6.6	38
18	Seasonal occurrence of N-nitrosamines and their association with dissolved organic matter in full-scale drinking water systems: Determination by LC-MS and EEM-PARAFAC. Water Research, 2020, 183, 116096.	5.3	36

#	Article	IF	Citations
19	Elucidating the impacts of intermittent in-situ ozonation in a ceramic membrane bioreactor: Micropollutant removal, microbial community evolution and fouling mechanisms. Journal of Hazardous Materials, 2021, 402, 123730.	6.5	36
20	Persulfate oxidation-assisted membrane distillation process for micropollutant degradation and membrane fouling control. Separation and Purification Technology, 2019, 222, 321-331.	3.9	34
21	Impact of simultaneous retention of micropollutants and laccase on micropollutant degradation in enzymatic membrane bioreactor. Bioresource Technology, 2018, 267, 473-480.	4.8	33
22	Algogenic organic matter fouling alleviation in membrane distillation by peroxymonosulfate (PMS): Role of PMS concentration and activation temperature. Desalination, 2021, 516, 115225.	4.0	33
23	Removal of trace organic contaminants by enzymatic membrane bioreactors: Role of membrane retention and biodegradation. Journal of Membrane Science, 2020, 611, 118345.	4.1	30
24	Integration of an enzymatic bioreactor with membrane distillation for enhanced biodegradation of trace organic contaminants. International Biodeterioration and Biodegradation, 2017, 124, 73-81.	1.9	29
25	Removal of Ni(II) Using Multi-walled Carbon Nanotubes Electrodes: Relation Between Operating Parameters and Capacitive Deionization Performance. Arabian Journal for Science and Engineering, 2017, 42, 235-240.	1.7	27
26	Characterization and physicochemical aspects of novel cellulose-based layered double hydroxide nanocomposite for removal of antimony and fluoride from aqueous solution. Journal of Environmental Sciences, 2021, 102, 301-315.	3.2	25
27	Acid mine drainage and sewage impacted groundwater treatment by membrane distillation: Organic micropollutant and metal removal and membrane fouling. Journal of Environmental Management, 2021, 291, 112708.	3.8	25
28	Study of physio-psychological effects on traffic wardens due to traffic noise pollution; exposure-effect relation. Journal of Environmental Health Science & Engineering, 2015, 13, 30.	1.4	22
29	Degradation of Trace Organic Contaminants by a Membrane Distillationâ€"Enzymatic Bioreactor. Applied Sciences (Switzerland), 2017, 7, 879.	1.3	21
30	Chemically enhanced primary treatment of textile effluent using alum sludge and chitosan. Desalination and Water Treatment, 2016, 57, 7280-7286.	1.0	18
31	Evaluating the impacts of a high concentration of powdered activated carbon in a ceramic membrane bioreactor: Mixed liquor properties, hydraulic performance and fouling mechanism. Journal of Membrane Science, 2020, 616, 118561.	4.1	17
32	Elucidating the performance of an integrated laccase- and persulfate-assisted process for degradation of trace organic contaminants (TrOCs). Environmental Science: Water Research and Technology, 2020, 6, 1069-1082.	1.2	16
33	Understanding the role of in-situ ozonation in Fe(II)-dosed membrane bioreactor (MBR) for membrane fouling mitigation. Journal of Membrane Science, 2021, 633, 119400.	4.1	15
34	Emerging investigator series: phosphorus recovery from municipal wastewater by adsorption on steelmaking slag preceding forward osmosis: an integrated process. Environmental Science: Water Research and Technology, 2020, 6, 1559-1567.	1.2	14
35	Determining the leading sources of N-nitrosamines and dissolved organic matter in four reservoirs in Southern China. Science of the Total Environment, 2021, 771, 145409.	3.9	12
36	Optimization of the operational parameters in a submerged membrane bioreactor using Box Behnken response surface methodology: membrane fouling control and effluent quality. , 0, 82, 26-38.		10

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37	A year-long cyclic pattern of dissolved organic matter in the tap water of a metropolitan city revealed by fluorescence spectroscopy. Science of the Total Environment, 2021, 771, 144850.	3.9	8
38	Impact of Pharmaceutically Active Compounds in Marine Environment on Aquaculture. , 2018, , 265-299.		7
39	Applications of Membrane Bioreactors in Biotechnology Processes. , 2019, , 223-257.		6
40	Polysaccharide-derived biopolymeric nanomaterials for wastewater treatment. , 2021, , 447-469.		6
41	Characterization and treatment of flour mills wastewater for reuse â€“ a case study of Al-kausar Flour Mills, Pakistan. Desalination and Water Treatment, 2016, 57, 3881-3890.	1.0	3