

# Muhammad B Asif

## List of Publications by Citations

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41  
papers

895  
citations

18  
h-index

29  
g-index

42  
ext. papers

1,316  
ext. citations

8.3  
avg, IF

5.23  
L-index

#	Paper	IF	Citations
41	Understanding the factors affecting the adsorption of Lanthanum using different adsorbents: A critical review. <i>Chemosphere</i> , <b>2018</b> , 204, 413-430	8.4	126
40	Degradation of Pharmaceuticals and Personal Care Products by White-Rot Fungi Critical Review. <i>Current Pollution Reports</i> , <b>2017</b> , 3, 88-103	7.6	83
39	Carbamazepine as a Possible Anthropogenic Marker in Water: Occurrences, Toxicological Effects, Regulations and Removal by Wastewater Treatment Technologies. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 107	3	82
38	Biocatalytic degradation of pharmaceuticals, personal care products, industrial chemicals, steroid hormones and pesticides in a membrane distillation-enzymatic bioreactor. <i>Bioresource Technology</i> , <b>2018</b> , 247, 528-536	11	59
37	Ceramic membrane technology for water and wastewater treatment: A critical review of performance, full-scale applications, membrane fouling and prospects. <i>Chemical Engineering Journal</i> , <b>2021</b> , 418, 129481	14.7	51
36	Influence of relaxation modes on membrane fouling in submerged membrane bioreactor for domestic wastewater treatment. <i>Chemosphere</i> , <b>2017</b> , 181, 19-25	8.4	42
35	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> , <b>2017</b> , 201, 89-109	7.9	37
34	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> , <b>2019</b> , 37, 399-408	2.5	34
33	Impact of simultaneous retention of micropollutants and laccase on micropollutant degradation in enzymatic membrane bioreactor. <i>Bioresource Technology</i> , <b>2018</b> , 267, 473-480	11	25
32	Electrochemical membrane bioreactors: State-of-the-art and future prospects. <i>Science of the Total Environment</i> , <b>2020</b> , 741, 140233	10.2	24
31	Fate and role of fluorescence moieties in extracellular polymeric substances during biological wastewater treatment: A review. <i>Science of the Total Environment</i> , <b>2020</b> , 718, 137291	10.2	22
30	Integration of an enzymatic bioreactor with membrane distillation for enhanced biodegradation of trace organic contaminants. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 124, 73-81	4.8	22
29	Understanding the mechanisms of trace organic contaminant removal by high retention membrane bioreactors: a critical review. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 34085-34100	5.1	22
28	Powdered activated carbon - Membrane bioreactor (PAC-MBR): Impacts of high PAC concentration on micropollutant removal and microbial communities. <i>Science of the Total Environment</i> , <b>2020</b> , 745, 141090	10.2	20
27	Lithium enrichment from a simulated salt lake brine using an integrated nanofiltration-membrane distillation process. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103395	6.8	19
26	Lithium recovery from salt-lake brine: Impact of competing cations, pretreatment and preconcentration. <i>Chemosphere</i> , <b>2020</b> , 260, 127623	8.4	19
25	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. <i>Water Research</i> , <b>2020</b> , 183, 116125	12.5	18

24	Removal of trace organic contaminants by enzymatic membrane bioreactors: Role of membrane retention and biodegradation. <i>Journal of Membrane Science</i> , <b>2020</b> , 611, 118345	9.6	18
23	Persulfate oxidation-assisted membrane distillation process for micropollutant degradation and membrane fouling control. <i>Separation and Purification Technology</i> , <b>2019</b> , 222, 321-331	8.3	17
22	Degradation of Trace Organic Contaminants by a Membrane Distillation Enzymatic Bioreactor. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 879	2.6	16
21	Removal of Ni(II) Using Multi-walled Carbon Nanotubes Electrodes: Relation Between Operating Parameters and Capacitive Deionization Performance. <i>Arabian Journal for Science and Engineering</i> , <b>2017</b> , 42, 235-240	2.5	15
20	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. <i>Water Research</i> , <b>2020</b> , 183, 116096	12.5	12
19	Chemically enhanced primary treatment of textile effluent using alum sludge and chitosan. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 7280-7286		11
18	Study of physio-psychological effects on traffic wardens due to traffic noise pollution; exposure-effect relation. <i>Journal of Environmental Health Science &amp; Engineering</i> , <b>2015</b> , 13, 30	2.9	10
17	Evaluating the impacts of a high concentration of powdered activated carbon in a ceramic membrane bioreactor: Mixed liquor properties, hydraulic performance and fouling mechanism. <i>Journal of Membrane Science</i> , <b>2020</b> , 616, 118561	9.6	10
16	Elucidating the impacts of intermittent in-situ ozonation in a ceramic membrane bioreactor: Micropollutant removal, microbial community evolution and fouling mechanisms. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 402, 123730	12.8	10
15	Optimization of the operational parameters in a submerged membrane bioreactor using Box Behnken response surface methodology: membrane fouling control and effluent quality	82, 26-38	9
14	Characterization and physicochemical aspects of novel cellulose-based layered double hydroxide nanocomposite for removal of antimony and fluoride from aqueous solution. <i>Journal of Environmental Sciences</i> , <b>2021</b> , 102, 301-315	6.4	9
13	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> , <b>2020</b> , 6, 1069-1082	4.2	7
12	Impact of Pharmaceutically Active Compounds in Marine Environment on Aquaculture	<b>2018</b> , 265-299	6
11	Algogenic organic matter fouling alleviation in membrane distillation by peroxymonosulfate (PMS): Role of PMS concentration and activation temperature. <i>Desalination</i> , <b>2021</b> , 516, 115225	10.3	6
10	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> , <b>2020</b> , 6, 1559-1567	4.2	5
9	Gravity-driven layered double hydroxide nanosheet membrane activated peroxymonosulfate system for micropollutant degradation. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 425, 127988	12.8	5
8	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> , <b>2021</b> , 291, 112708	7.9	5
7	Applications of Membrane Bioreactors in Biotechnology Processes	<b>2019</b> , 223-257	4

6	Two-dimensional nanoporous and lamellar membranes for water purification: Reality or a myth?. <i>Chemical Engineering Journal</i> , <b>2022</b> , 432, 134335	14.7	3
5	A year-long cyclic pattern of dissolved organic matter in the tap water of a metropolitan city revealed by fluorescence spectroscopy. <i>Science of the Total Environment</i> , <b>2021</b> , 771, 144850	10.2	3
4	Characterization and treatment of flour mills wastewater for reuse in a case study of Al-kausar Flour Mills, Pakistan. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 3881-3890		3
3	Understanding the role of in-situ ozonation in Fe(II)-dosed membrane bioreactor (MBR) for membrane fouling mitigation. <i>Journal of Membrane Science</i> , <b>2021</b> , 633, 119400	9.6	3
2	Determining the leading sources of N-nitrosamines and dissolved organic matter in four reservoirs in Southern China. <i>Science of the Total Environment</i> , <b>2021</b> , 771, 145409	10.2	2
1	Polysaccharide-derived biopolymeric nanomaterials for wastewater treatment <b>2021</b> , 447-469		1