

Sher Jamal Khan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

1,102

citations

19

h-index

31

g-index

64

ext. papers

1,322

ext. citations

6.6

avg, IF

4.86

L-index

#	Paper	IF	Citations
62	Assessment of anaerobic membrane distillation bioreactor hybrid system at mesophilic and thermophilic temperatures treating textile wastewater. <i>Journal of Water Process Engineering</i> , 2022 , 46, 102603	6.7	3
61	Targeting Acyl Homoserine Lactones (AHLs) by the quorum quenching bacterial strains to control biofilm formation in .. <i>Saudi Journal of Biological Sciences</i> , 2022 , 29, 1673-1682	4	0
60	Anaerobic membrane bioreactors (AnMBRs) for municipal wastewater treatment- potential benefits, constraints, and future perspectives: An updated review. <i>Science of the Total Environment</i> , 2022 , 802, 149612	10.2	9
59	Woven-fiber microfiltration coupled with anaerobic forward osmosis membrane bioreactor treating textile wastewater: Use of fertilizer draw solutes for direct fertigation. <i>Biochemical Engineering Journal</i> , 2022 , 181, 108385	4.2	2
58	Water Treatment Using High Performance Antifouling Ultrafiltration Polyether Sulfone Membranes Incorporated with Activated Carbon. <i>Polymers</i> , 2022 , 14, 2264	4.5	
57	An integrated investigation on anaerobic membrane-based thickening of fecal sludge and the role of extracellular polymeric substances (EPS) in solid-liquid separation.. <i>Journal of Environmental Management</i> , 2021 , 305, 114350	7.9	0
56	Enhancing methane production from dewatered waste activated sludge through alkaline and photocatalytic pretreatment. <i>Bioresource Technology</i> , 2021 , 325, 124677	11	14
55	Treatment of high-strength synthetic textile wastewater through anaerobic osmotic membrane bioreactor and effect of sludge characteristics on flux. <i>Environmental Quality Management</i> , 2021 , 31, 85-98	0.8	2
54	Evaluating the performance of anaerobic moving bed bioreactor and upflow anaerobic hybrid reactor for treating textile desizing wastewater. <i>Biochemical Engineering Journal</i> , 2021 , 174, 108123	4.2	6
53	Optimization of nutrient rich solution for direct fertigation using novel side stream anaerobic forward osmosis process to treat textile wastewater. <i>Journal of Environmental Management</i> , 2021 , 300, 113691	7.9	2
52	Biocidal potential of electrochemically activated solutions (ECAS) against <i>Aeromonas</i> sp. <i>Enterobacter</i> sp. and <i>Escherichia coli</i> in tap water. <i>Journal of Water Process Engineering</i> , 2020 , 36, 101328	6.7	0
51	Up-concentration of wastewater to maximize biogas potential: A step towards positive energy wastewater treatment. <i>Journal of Water Process Engineering</i> , 2020 , 36, 101246	6.7	1
50	Bi-Polymer Electrospun Nanofibers Embedding Ag ₃ PO ₄ /P25 Composite for Efficient Photocatalytic Degradation and Anti-Microbial Activity. <i>Catalysts</i> , 2020 , 10, 784	4	3
49	Antibacterial behaviour of surface modified composite polyamide nanofiltration (NF) membrane by immobilizing Ag-doped TiO nanoparticles. <i>Environmental Technology (United Kingdom)</i> , 2020 , 41, 3657-3669	2.6	17
48	Quorum sensing control and wastewater treatment in quorum quenching/ submerged membrane electro-bioreactor (SMEBR(QQ)) hybrid system. <i>Biomass and Bioenergy</i> , 2019 , 128, 105329	5.3	5
47	Impact of osmotic backwashing, particle size distribution and feed-side cross-flow velocity on flux in the forward osmosis membrane bioreactor (FO-MBR). <i>Journal of Water Process Engineering</i> , 2019 , 31, 100861	6.7	13
46	Performance evaluation of fertilizer draw solutions for forward osmosis membrane bioreactor treating domestic wastewater. <i>Chemical Engineering Research and Design</i> , 2019 , 127, 133-140	5.5	18

45	Impact of sludge recirculation ratios on the performance of anaerobic membrane bioreactor for wastewater treatment. <i>Bioresource Technology</i> , 2019 , 288, 121473	11	17
44	Hybrid anaerobic-aerobic biological treatment for real textile wastewater. <i>Journal of Water Process Engineering</i> , 2019 , 29, 100804	6.7	58
43	Draw solution recovery using direct contact membrane distillation (DCMD) from osmotic membrane bioreactor (Os-MBR). <i>Journal of Water Process Engineering</i> , 2019 , 30, 100484	6.7	14
42	Evaluation of treatment performance of a full-scale membrane bioreactor (MBR) plant from unsteady to steady state condition. <i>Journal of Water Process Engineering</i> , 2019 , 30, 100379	6.7	9
41	Strengthening calcium alginate microspheres using polysulfone and its performance evaluation: Preparation, characterization and application for enhanced biodegradation of chlorpyrifos. <i>Science of the Total Environment</i> , 2018 , 631-632, 1046-1058	10.2	9
40	Insight into the effect of organic and inorganic draw solutes on the flux stability and sludge characteristics in the osmotic membrane bioreactor. <i>Bioresource Technology</i> , 2018 , 249, 758-766	11	24
39	Esterification Reaction Kinetics of Acetic and Oleic Acids with Ethanol in the Presence of Amberlyst 15. <i>Arabian Journal for Science and Engineering</i> , 2018 , 43, 5701-5709	2.5	9
38	Performance evaluation of hybrid OMBR-MD using organic and inorganic draw solutions. <i>Water Science and Technology</i> , 2018 , 78, 776-785	2.2	3
37	Heat extraction and brine management from salinity gradient solar pond and membrane distillation. <i>Chemical Engineering Research and Design</i> , 2017 , 118, 226-237	5.5	19
36	Performance evaluation of reverse osmosis (RO) pre-treatment technologies for in-land brackish water treatment. <i>Desalination</i> , 2017 , 406, 44-50	10.3	39
35	Heavy metals removal by osmotic membrane bioreactor (OMBR) and their effect on sludge properties. <i>Desalination</i> , 2017 , 403, 117-127	10.3	32
34	Performance Evaluation of Membrane-Based Septic Tank and Its Reuse Potential for Irrigating Crops. <i>Water Environment Research</i> , 2017 , 89, 744-751	2.8	0
33	TREATMENT OF WASTEWATER WITH A HIGH C/N RATIO IN SEQUENCING BATCH BIOREACTOR (SBBR) CONTAINING BIOCARRIER. <i>Environmental Engineering and Management Journal</i> , 2017 , 16, 2485-2489	0.6	3
32	Desalination of brackish water using capacitive deionization (CDI) technology. <i>Desalination and Water Treatment</i> , 2016 , 57, 7659-7666		11
31	Reverse solute transport, microbial toxicity, membrane cleaning and flux of regenerated draw in the FO-MBR using a micellar draw solution. <i>Desalination</i> , 2016 , 391, 105-111	10.3	9
30	Bacterial assisted degradation of chlorpyrifos: The key role of environmental conditions, trace metals and organic solvents. <i>Journal of Environmental Management</i> , 2016 , 168, 1-9	7.9	21
29	Microbial population dynamics and profiling of quorum sensing agents in membrane bioreactor. <i>International Biodeterioration and Biodegradation</i> , 2016 , 113, 66-73	4.8	21
28	Removal and recovery of sodium hydroxide (NaOH) from industrial wastewater by two-stage diffusion dialysis (DD) and electrodialysis (ED) processes. <i>Desalination and Water Treatment</i> , 2016 , 57, 7926-7932		20

27	Submerged and Attached Growth Membrane Bioreactors and Forward Osmosis Membrane Bioreactors for Wastewater Treatment 2016 , 277-296		3
26	Performance and optimization of lab-scale membrane bioreactors for synthetic municipal wastewater. <i>Desalination and Water Treatment</i> , 2016 , 57, 29193-29200		1
25	Effect of metal ions and petrochemicals on bioremediation of chlorpyrifos in aerobic sequencing batch bioreactor (ASBR). <i>Environmental Science and Pollution Research</i> , 2016 , 23, 20646-20660	5.1	6
24	Membrane biofouling retardation and improved sludge characteristics using quorum quenching bacteria in submerged membrane bioreactor. <i>Journal of Membrane Science</i> , 2015 , 483, 75-83	9.6	61
23	High strength domestic wastewater treatment with submerged forward osmosis membrane bioreactor. <i>Water Science and Technology</i> , 2015 , 72, 141-9	2.2	23
22	Influence of Temperature on the Performance of a Full-Scale Activated Sludge Process Operated at Varying Solids Retention Times Whilst Treating Municipal Sewage. <i>Water (Switzerland)</i> , 2015 , 7, 855-867 ³		15
21	Effects of filtration modes on membrane fouling behavior and treatment in submerged membrane bioreactor. <i>Bioresource Technology</i> , 2014 , 172, 391-395	11	30
20	Membrane fouling and performance evaluation of conventional membrane bioreactor (MBR), moving biofilm MBR and oxic/anoxic MBR. <i>Water Science and Technology</i> , 2014 , 69, 1403-9	2.2	13
19	Assessment of micellar solutions as draw solutions for forward osmosis. <i>Desalination</i> , 2014 , 354, 97-106	10.3	37
18	Microbial toxicity effects of reverse transported draw solute in the forward osmosis membrane bioreactor (FO-MBR). <i>Journal of Membrane Science</i> , 2013 , 429, 323-329	9.6	62
17	Molecular detection of microbial community in a nitrifying-denitrifying activated sludge system. <i>International Biodeterioration and Biodegradation</i> , 2013 , 85, 527-532	4.8	19
16	Impact of nitrogen loading rates on treatment performance of domestic wastewater and fouling propensity in submerged membrane bioreactor (MBR). <i>Bioresource Technology</i> , 2013 , 141, 46-9	11	19
15	Performance evaluation and bacterial characterization of membrane bioreactors. <i>Bioresource Technology</i> , 2013 , 141, 2-7	11	8
14	Membrane fouling characterization in membrane-based septic tank. <i>Desalination and Water Treatment</i> , 2013 , 51, 6415-6419		5
13	Effect of powdered activated carbon (PAC) and cationic polymer on biofouling mitigation in hybrid MBRs. <i>Bioresource Technology</i> , 2012 , 113, 165-8	11	49
12	Influence of biofilm carriers on membrane fouling propensity in moving biofilm membrane bioreactor. <i>Bioresource Technology</i> , 2012 , 113, 161-4	11	41
11	Distribution, toxicity level, and concentration of polycyclic aromatic hydrocarbons (PAHs) in surface soil and groundwater of Rawalpindi, Pakistan. <i>Desalination and Water Treatment</i> , 2012 , 49, 240-247		21
10	Evaluating the treatment performance of a full scale Activated Sludge Plant in Islamabad, Pakistan. <i>Water Practice and Technology</i> , 2012 , 7,	0.9	2

9	Simulation of the impacts of land-use change on surface runoff of Lai Nullah Basin in Islamabad, Pakistan. <i>Landscape and Urban Planning</i> , 2011 , 102, 271-279	7.7	81
8	Performance of suspended and attached growth MBR systems in treating high strength synthetic wastewater. <i>Bioresource Technology</i> , 2011 , 102, 5331-6	11	94
7	Prediction of membrane fouling in MBR systems using empirically estimated specific cake resistance. <i>Bioresource Technology</i> , 2009 , 100, 6133-6	11	46
6	Influence of Mechanical Mixing Rates on Sludge Characteristics and Membrane Fouling in MBRs. <i>Separation Science and Technology</i> , 2008 , 43, 1826-1838	2.5	9
5	Influence of mechanical mixing intensity on a biofilm structure and permeability in a membrane bioreactor. <i>Desalination</i> , 2008 , 231, 253-267	10.3	26
4	Performance evaluation of integrated anaerobic and aerobic reactors for treatment of real textile wastewater. <i>International Journal of Environmental Science and Technology</i> , 1	3.3	0
3	Optimization of filtration to relaxation mode using woven fiber microfiltration system for water and wastewater treatment 96, 69-75		4
2	Effect of intermittent operation of lab-scale upflow anaerobic sludge blanket (UASB) reactor on textile wastewater treatment 136, 120-130		10
1	Performance evaluation of anaerobic moving bed bioreactor (An-MBBR) for pretreatment of desizing wastewater 181, 123-130		3