

Sher Jamal Khan

List of Publications by Citations

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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 | Performance of suspended and attached growth MBR systems in treating high strength synthetic wastewater. <i>Bioresource Technology</i> , 2011 , 102, 5331-6 | 11 | 94 |
| 61 | 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 |
| 60 | 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 |
| 59 | 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 |
| 58 | Hybrid anaerobic-aerobic biological treatment for real textile wastewater. <i>Journal of Water Process Engineering</i> , 2019 , 29, 100804 | 6.7 | 58 |
| 57 | 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 |
| 56 | Prediction of membrane fouling in MBR systems using empirically estimated specific cake resistance. <i>Bioresource Technology</i> , 2009 , 100, 6133-6 | 11 | 46 |
| 55 | Influence of biofilm carriers on membrane fouling propensity in moving biofilm membrane bioreactor. <i>Bioresource Technology</i> , 2012 , 113, 161-4 | 11 | 41 |
| 54 | 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 |
| 53 | Assessment of micellar solutions as draw solutions for forward osmosis. <i>Desalination</i> , 2014 , 354, 97-106 | 10.3 | 37 |
| 52 | Heavy metals removal by osmotic membrane bioreactor (OMBR) and their effect on sludge properties. <i>Desalination</i> , 2017 , 403, 117-127 | 10.3 | 32 |
| 51 | Effects of filtration modes on membrane fouling behavior and treatment in submerged membrane bioreactor. <i>Bioresource Technology</i> , 2014 , 172, 391-395 | 11 | 30 |
| 50 | 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 |
| 49 | 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 |
| 48 | High strength domestic wastewater treatment with submerged forward osmosis membrane bioreactor. <i>Water Science and Technology</i> , 2015 , 72, 141-9 | 2.2 | 23 |
| 47 | 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 |
| 46 | 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 |

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|----|---|------|----|
| 45 | 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 |
| 44 | 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 |
| 43 | 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 |
| 42 | 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 |
| 41 | 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 |
| 40 | 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 |
| 39 | Impact of sludge recirculation ratios on the performance of anaerobic membrane bioreactor for wastewater treatment. <i>Bioresource Technology</i> , 2019 , 288, 121473 | 11 | 17 |
| 38 | 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 |
| 37 | 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 |
| 36 | Enhancing methane production from dewatered waste activated sludge through alkaline and photocatalytic pretreatment. <i>Bioresource Technology</i> , 2021 , 325, 124677 | 11 | 14 |
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | Desalination of brackish water using capacitive deionization (CDI) technology. <i>Desalination and Water Treatment</i> , 2016 , 57, 7659-7666 | | 11 |
| 31 | Effect of intermittent operation of lab-scale upflow anaerobic sludge blanket (UASB) reactor on textile wastewater treatment ¹³⁶ , 120-130 | | 10 |
| 30 | 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 |
| 29 | 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 |
| 28 | 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 |

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| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | Performance evaluation and bacterial characterization of membrane bioreactors. <i>Bioresource Technology</i> , 2013 , 141, 2-7 | 11 | 8 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | Membrane fouling characterization in membrane-based septic tank. <i>Desalination and Water Treatment</i> , 2013 , 51, 6415-6419 | | 5 |
| 19 | Optimization of filtration to relaxation mode using woven fiber microfiltration system for water and wastewater treatment96, 69-75 | | 4 |
| 18 | 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 |
| 17 | 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 | 9.6 | 3 |
| 16 | Performance evaluation of anaerobic moving bed bioreactor (An-MBBR) for pretreatment of desizing wastewater181, 123-130 | | 3 |
| 15 | 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 |
| 14 | Submerged and Attached Growth Membrane Bioreactors and Forward Osmosis Membrane Bioreactors for Wastewater Treatment 2016 , 277-296 | | 3 |
| 13 | 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 |
| 12 | 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 |
| 11 | 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 |
| 10 | 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 |

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| 9 | 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 |
| 8 | 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 |
| 7 | Performance and optimization of lab-scale membrane bioreactors for synthetic municipal wastewater. <i>Desalination and Water Treatment</i> , 2016 , 57, 29193-29200 | | 1 |
| 6 | 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 |
| 5 | 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 |
| 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 | 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 |
| 2 | 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 |
| 1 | Water Treatment Using High Performance Antifouling Ultrafiltration Polyether Sulfone Membranes Incorporated with Activated Carbon. <i>Polymers</i> , 2022 , 14, 2264 | 4.5 | |