

# Jehad Abbaas Kharraz

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,389  
citations

489802

18  
h-index

759306

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1536  
citing authors

#	ARTICLE	IF	CITATIONS
1	A systematic study on the impact of feed composition and substrate wettability on wetting and fouling of omniphobic and janus membranes in membrane distillation. Journal of Membrane Science, 2022, 641, 119873.	4.1	19
2	Elucidating the role of graphene oxide layers in enhancing N-Nitrosodimethylamine (NDMA) rejection and antibiofouling property of RO membrane simultaneously. Journal of Membrane Science, 2022, 643, 120043.	4.1	6
3	Nanobubble-assisted scaling inhibition in membrane distillation for the treatment of high-salinity brine. Water Research, 2022, 209, 117954.	5.3	30
4	Hybrid nanobubble-forward osmosis system for aquaculture wastewater treatment and reuse. Chemical Engineering Journal, 2022, 435, 135164.	6.6	31
5	Membrane distillation bioreactor (MDBR) for wastewater treatment, water reuse, and resource recovery: A review. Journal of Water Process Engineering, 2022, 47, 102687.	2.6	29
6	A Conductive Hydrophobic Polyaniline Sandwiched Polyvinylidene Fluoride Membrane for Early Detection of Surfactant-Induced Wetting in Membrane Distillation Using Impedance. ACS Applied Polymer Materials, 2021, 3, 679-690.	2.0	17
7	Hierarchical Janus membrane via a sequential electrospray coating method with wetting and fouling resistance for membrane distillation. Desalination, 2021, 520, 115313.	4.0	26
8	Plasmonic Titanium Nitride Nano-enabled Membranes with High Structural Stability for Efficient Photothermal Desalination. ACS Applied Materials & Interfaces, 2021, 13, 3805-3815.	4.0	54
9	Superhydrophobic membrane by hierarchically structured PDMS-POSS electrospray coating with cauliflower-shaped beads for enhanced MD performance. Journal of Membrane Science, 2020, 597, 117638.	4.1	44
10	Patterned superhydrophobic polyvinylidene fluoride (PVDF) membranes for membrane distillation: Enhanced flux with improved fouling and wetting resistance. Journal of Membrane Science, 2020, 595, 117596.	4.1	93
11	Removal of organic micropollutants using advanced membrane-based water and wastewater treatment: A review. Journal of Membrane Science, 2020, 598, 117672.	4.1	238
12	Molecular engineering low-surface energy membranes by grafting perfluoro- <i>tert</i> -butoxy chains containing fluorosilica aerogels. Green Chemistry, 2020, 22, 3283-3295.	4.6	17
13	Superhydrophobic (polyvinylidene fluoride-co-hexafluoropropylene)/ (polystyrene) composite membrane via a novel hybrid electrospin-electrospray process. Journal of Membrane Science, 2020, 611, 118360.	4.1	37
14	High-efficiency solar-driven water desalination using a thermally isolated plasmonic membrane. Journal of Cleaner Production, 2020, 271, 122684.	4.6	37
15	Macro-corrugated and nano-patterned hierarchically structured superomniphobic membrane for treatment of low surface tension oily wastewater by membrane distillation. Water Research, 2020, 174, 115600.	5.3	73
16	Electrospun Nanofiber Membranes Incorporating PDMS-Aerogel Superhydrophobic Coating with Enhanced Flux and Improved Antiwettability in Membrane Distillation. Environmental Science & Technology, 2019, 53, 4948-4958.	4.6	103
17	The effects of iCVD film thickness and conformality on the permeability and wetting of MD membranes. Journal of Membrane Science, 2017, 523, 470-479.	4.1	43
18	Autonomous Solar-Powered Desalination Systems for Remote Communities. , 2017, , 75-125.		4

#	ARTICLE	IF	CITATIONS
19	A systematic study of the impact of hydrophobicity on the wetting of MD membranes. Journal of Membrane Science, 2016, 520, 850-859.	4.1	69
20	Combining air recharging and membrane superhydrophobicity for fouling prevention in membrane distillation. Journal of Membrane Science, 2016, 505, 241-252.	4.1	87
21	Recent applications of nanomaterials in water desalination: A critical review and future opportunities. Desalination, 2015, 367, 37-48.	4.0	218
22	Flux stabilization in membrane distillation desalination of seawater and brine using corrugated PVDF membranes. Journal of Membrane Science, 2015, 495, 404-414.	4.1	70
23	Simple and effective corrugation of PVDF membranes for enhanced MBR performance. Journal of Membrane Science, 2015, 475, 91-100.	4.1	44