

# Omkar R Lokare

## List of Publications by Year in descending order

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13  
papers

584  
citations

687335

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1125717

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#	ARTICLE	IF	CITATIONS
1	Pretreatment of brackish water reverse osmosis (BWRO) concentrate to enhance water recovery in inland desalination plants by direct contact membrane distillation (DCMD). <i>Desalination</i> , 2021, 508, 115050.	8.2	19
2	Comparison of calcium scaling in direct contact membrane distillation (DCMD) and nanofiltration (NF). <i>Journal of Membrane Science</i> , 2021, 638, 119647.	8.2	21
3	Shale gas produced water management using membrane distillation: An optimization-based approach. <i>Resources, Conservation and Recycling</i> , 2020, 158, 104803.	10.8	27
4	Influence of Chemical Cleaning on Physicochemical Characteristics and Ion Rejection by Thin Film Composite Nanofiltration Membranes. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10166-10176.	10.0	34
5	Impact of Operating Conditions on Measured and Predicted Concentration Polarization in Membrane Distillation. <i>Environmental Science &amp; Technology</i> , 2019, 53, 11869-11876.	10.0	27
6	Concentration polarization in membrane distillation: I. Development of a laser-based spectrophotometric method for in-situ characterization. <i>Journal of Membrane Science</i> , 2019, 581, 462-471.	8.2	18
7	Importance of feed recirculation for the overall energy consumption in membrane distillation systems. <i>Desalination</i> , 2018, 428, 250-254.	8.2	59
8	A techno-economic assessment of membrane distillation for treatment of Marcellus shale produced water. <i>Desalination</i> , 2017, 416, 24-34.	8.2	101
9	Laboratory and Pilot-Scale Nanofiltration Treatment of Abandoned Mine Drainage for the Recovery of Products Suitable for Industrial Reuse. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 7355-7364.	3.7	26
10	Integrating membrane distillation with waste heat from natural gas compressor stations for produced water treatment in Pennsylvania. <i>Desalination</i> , 2017, 413, 144-153.	8.2	99
11	Fouling in direct contact membrane distillation of produced water from unconventional gas extraction. <i>Journal of Membrane Science</i> , 2017, 524, 493-501.	8.2	81
12	Systems-Level Analysis of Waste Heat Recovery Opportunities from Natural Gas Compressor Stations in the United States. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3618-3626.	6.7	28
13	Impact of the degree of functionalization of graphene oxide on the electrochemical charge storage property and metal ion adsorption. <i>RSC Advances</i> , 2014, 4, 62737-62745.	3.6	44