

# Young Mi Kim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7994861/publications.pdf>

Version: 2024-02-01

19  
papers

421  
citations

758635

12  
h-index

996533

15  
g-index

19  
all docs

19  
docs citations

19  
times ranked

553  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequential effects of cleaning protocols on desorption of reverse osmosis membrane foulants: Autopsy results from a full-scale desalination plant. <i>Desalination</i> , 2021, 500, 114830.	4.0	20
2	Fouling behavior of marine organic matter in reverse osmosis membranes of a real-scale seawater desalination plant in South Korea. <i>Desalination</i> , 2020, 485, 114305.	4.0	21
3	Modeling and Simulation Studies Analyzing the Pressure-Retarded Osmosis (PRO) and PRO-Hybridized Processes. <i>Energies</i> , 2019, 12, 243.	1.6	20
4	Surface modification of polyvinylidene fluoride membrane for enhanced wetting resistance. <i>Applied Surface Science</i> , 2019, 491, 32-42.	3.1	16
5	An optimization strategy for a forward osmosis-reverse osmosis hybrid process for wastewater reuse and seawater desalination: A modeling study. <i>Desalination</i> , 2019, 463, 40-49.	4.0	49
6	Mitigation of organic fouling on ceramic membranes by selective removal of microbial-oriented organic matters in wastewater effluents. <i>Separation and Purification Technology</i> , 2019, 219, 216-221.	3.9	13
7	A simulation study with a new performance index for pressure-retarded osmosis processes hybridized with seawater reverse osmosis and membrane distillation. <i>Desalination</i> , 2018, 444, 118-128.	4.0	19
8	Biogas upgrading using membrane contactor process: Pressure-cascaded stripping configuration. <i>Separation and Purification Technology</i> , 2017, 183, 358-365.	3.9	36
9	Spacer optimization strategy for direct contact membrane distillation: Shapes, configurations, diameters, and numbers of spacer filaments. <i>Desalination</i> , 2017, 417, 9-18.	4.0	49
10	Investigating the influence of organic matter composition on biofilm volumes in reverse osmosis using optical coherence tomography. <i>Desalination</i> , 2017, 419, 125-132.	4.0	15
11	Molecular dynamics simulation of seawater reverse osmosis desalination using carbon nanotube membranes. <i>Desalination and Water Treatment</i> , 2016, 57, 20169-20176.	1.0	15
12	Molecular dynamics simulations in membrane-based water treatment processes: A systematic overview. <i>Journal of Membrane Science</i> , 2013, 438, 112-125.	4.1	89
13	Site-specific raw seawater quality impact study on SWRO process for optimizing operation of the pressurized step. <i>Desalination</i> , 2009, 238, 140-157.	4.0	20
14	Energy saving methodology for the SWRO desalination process: control of operating temperature and pressure. <i>Desalination</i> , 2009, 247, 260-270.	4.0	17
15	Development of a package model for process simulation and cost estimation of seawater reverse osmosis desalination plant. <i>Desalination</i> , 2009, 247, 326-335.	4.0	13
16	Economic analysis on environmentally sound brine disposal with RO and RO-hybrid processes. , 0, 78, 1-11.		2
17	Computational synthesis of highly cross-linked reverse osmosis polyamide membranes with optimization of monomer ratio, initial concentration, and reaction conditions. , 0, 146, 8-21.		1
18	Enhancing accuracy of membrane fouling prediction using hybrid machine learning models. , 0, 146, 22-28.		5

#	ARTICLE	IF	CITATIONS
19	Numerical analysis of membrane distillation using hollow fiber membrane modules: a review. , 0, 155, 364-369.		1