

# Filicia Wicaksana

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,411  
citations

471061

17  
h-index

454577

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1473  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Microscopic Observation of Forward Osmosis Membrane Fouling. <i>Environmental Science &amp; Technology</i> , 2010, 44, 7102-7109.	4.6	174
2	Preparation of high performance nanofiltration (NF) membranes incorporated with aquaporin Z. <i>Journal of Membrane Science</i> , 2014, 450, 181-188.	4.1	131
3	Direct microscopic observation of forward osmosis membrane fouling by microalgae: Critical flux and the role of operational conditions. <i>Journal of Membrane Science</i> , 2013, 436, 174-185.	4.1	122
4	Microfiltration of algae ( <i>Chlorella sorokiniana</i> ): Critical flux, fouling and transmission. <i>Journal of Membrane Science</i> , 2012, 387-388, 83-92.	4.1	116
5	Fibre movement induced by bubbling using submerged hollow fibre membranes. <i>Journal of Membrane Science</i> , 2006, 271, 186-195.	4.1	108
6	Analysis of Membrane Distillation Crystallization System for High Salinity Brine Treatment with Zero Discharge Using Aspen Flowsheet Simulation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 13405-13413.	1.8	85
7	Combined organic&inorganic fouling of forward osmosis hollow fiber membranes. <i>Water Research</i> , 2012, 46, 6329-6338.	5.3	83
8	Evaluation of fouling deposition, fouling reversibility and energy consumption of submerged hollow fiber membrane systems with periodic backwash. <i>Journal of Membrane Science</i> , 2014, 452, 319-331.	4.1	82
9	Measurements of Density and Viscosity of Binary Mixtures of Several Flavor Compounds with 1-Butanol and 1-Pentanol at 293.15 K, 303.15 K, 313.15 K, and 323.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2001, 46, 696-702.	1.0	60
10	Low pressure membrane processes & doing more with less energy. <i>Desalination</i> , 2005, 185, 159-165.	4.0	59
11	Adsorption of Benzene and Toluene from Aqueous Solution onto Granular Activated Carbon. <i>Journal of Chemical &amp; Engineering Data</i> , 2001, 46, 788-791.	1.0	58
12	Effects of scaling and cleaning on the performance of forward osmosis hollow fiber membranes. <i>Journal of Membrane Science</i> , 2012, 415-416, 101-108.	4.1	54
13	Density and Viscosity for a Binary Mixture of Ethyl Valerate and Hexyl Acetate with 1-Pentanol and 1-Hexanol at 293.15 K, 303.15 K, and 313.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2001, 46, 134-137.	1.0	47
14	Direct contact membrane distillation for effective concentration of perfluoroalkyl substances & Impact of surface fouling and material stability. <i>Water Research</i> , 2020, 182, 116010.	5.3	32
15	Fusion behaviour of aquaporin Z incorporated proteoliposomes investigated by quartz crystal microbalance with dissipation (QCM-D). <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 446-452.	2.5	30
16	Effect of saline water ionic strength on phosphorus recovery from synthetic swine wastewater. <i>Journal of Environmental Sciences</i> , 2022, 113, 81-91.	3.2	25
17	Evaporometry determination of pore-size distribution and pore fouling of hollow fiber membranes. <i>Journal of Membrane Science</i> , 2014, 470, 334-345.	4.1	22
18	Generalized criterion for the onset of particle deposition in crossflow microfiltration via DOTM & Modeling and experimental validation. <i>Journal of Membrane Science</i> , 2014, 457, 128-138.	4.1	14

#	ARTICLE	IF	CITATIONS
19	Investigation of membrane fouling at the microscale using isopore filters. <i>Microfluidics and Nanofluidics</i> , 2015, 19, 307-315.	1.0	14
20	Mitigation of membrane fouling by whey protein via water hammer. <i>Journal of Membrane Science</i> , 2022, 642, 119967.	4.1	14
21	Impact of intrinsic properties of foulants on membrane performance in osmotic desalination applications. <i>Separation and Purification Technology</i> , 2014, 123, 87-95.	3.9	13
22	The use of Constant Temperature Anemometry for permeate flow distribution measurement in a submerged hollow fibre system. <i>Journal of Membrane Science</i> , 2009, 339, 195-203.	4.1	12
23	Influence of dissolved air on the effectiveness of cyclic backwashing in submerged membrane systems. <i>Journal of Membrane Science</i> , 2014, 456, 77-84.	4.1	12
24	Understanding the interaction between biomacromolecules and their influence on forward osmosis process. <i>Desalination</i> , 2016, 385, 12-23.	4.0	11
25	Anti-scaling and water flux enhancing effect of alginate in membrane distillation. <i>Desalination</i> , 2021, 514, 115155.	4.0	11
26	Effect of acetic acid on struvite precipitation: An exploration of product purity, morphology and reaction kinetics using central composite design. <i>Chemosphere</i> , 2021, 285, 131486.	4.2	9
27	Transmission of and fouling by long chain molecules during crossflow microfiltration of algal suspensions: influence of shear. <i>Desalination and Water Treatment</i> , 2011, 35, 138-149.	1.0	5
28	Bridging theory with real world research experience: Co-teaching Engineering Biotechnology with R&D professionals. <i>Education for Chemical Engineers</i> , 2016, 16, 9-16.	2.8	5
29	Fouling Control of Submerged Hollow Fibre Membranes: The Effect of Vibrations and Fibre Looseness. <i>Procedia Engineering</i> , 2012, 44, 24-26.	1.2	2