

# Yi-Ning Wang

## List of Publications by Year in descending order

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21  
papers

1,588  
citations

430442

18  
h-index

752256

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1607  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein fouling of nanofiltration, reverse osmosis, and ultrafiltration membranes—The role of hydrodynamic conditions, solution chemistry, and membrane properties. <i>Journal of Membrane Science</i> , 2011, 376, 275-282.	4.1	224
2	Synthesis and characterization of thin film nanocomposite forward osmosis membranes supported by silica nanoparticle incorporated nanofibrous substrate. <i>Desalination</i> , 2017, 401, 142-150.	4.0	137
3	Membranes and processes for forward osmosis-based desalination: Recent advances and future prospects. <i>Desalination</i> , 2018, 434, 81-99.	4.0	130
4	Fouling of Nanofiltration, Reverse Osmosis, and Ultrafiltration Membranes by Protein Mixtures: The Role of Inter-Foulant-Species Interaction. <i>Environmental Science &amp; Technology</i> , 2011, 45, 6373-6379.	4.6	126
5	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
6	Organic fouling of thin-film composite polyamide and cellulose triacetate forward osmosis membranes by oppositely charged macromolecules. <i>Water Research</i> , 2013, 47, 1867-1874.	5.3	121
7	The role of hydrodynamic conditions and solution chemistry on protein fouling during ultrafiltration. <i>Desalination</i> , 2009, 249, 1079-1087.	4.0	102
8	Synthesis and characterization of novel high-performance thin film nanocomposite (TFN) FO membranes with nanofibrous substrate reinforced by functionalized carbon nanotubes. <i>Desalination</i> , 2015, 370, 79-86.	4.0	93
9	Analyzing the Evolution of Membrane Fouling via a Novel Method Based on 3D Optical Coherence Tomography Imaging. <i>Environmental Science &amp; Technology</i> , 2016, 50, 6930-6939.	4.6	79
10	Nanofiltration Membrane Fouling by Oppositely Charged Macromolecules: Investigation on Flux Behavior, Foulant Mass Deposition, and Solute Rejection. <i>Environmental Science &amp; Technology</i> , 2011, 45, 8941-8947.	4.6	71
11	Characterization of internal and external concentration polarizations during forward osmosis processes. <i>Desalination</i> , 2014, 338, 65-73.	4.0	69
12	Whey recovery using forward osmosis — Evaluating the factors limiting the flux performance. <i>Journal of Membrane Science</i> , 2017, 533, 179-189.	4.1	61
13	Microscopic Characterization of FO/PRO Membranes — A Comparative Study of CLSM, TEM and SEM. <i>Environmental Science &amp; Technology</i> , 2012, 46, 9995-10003.	4.6	54
14	Gypsum scaling and membrane integrity of osmotically driven membranes: The effect of membrane materials and operating conditions. <i>Desalination</i> , 2016, 377, 1-10.	4.0	53
15	Comparison of NF-like and RO-like thin film composite osmotically-driven membranes—Implications for membrane selection and process optimization. <i>Journal of Membrane Science</i> , 2013, 427, 460-471.	4.1	47
16	Enhancing pressure retarded osmosis performance with low-pressure nanofiltration pretreatment: Membrane fouling analysis and mitigation. <i>Journal of Membrane Science</i> , 2017, 543, 114-122.	4.1	34
17	Silica scaling and scaling control in pressure retarded osmosis processes. <i>Journal of Membrane Science</i> , 2017, 541, 73-84.	4.1	24
18	Enhancing boron rejection in FO using alkaline draw solutions. <i>Water Research</i> , 2017, 118, 20-25.	5.3	19

#	ARTICLE	IF	CITATIONS
19	Reverse Osmosis Membrane Separation Technology. , 2019, , 1-45.		10
20	Understanding the effect of transverse vibration on hollow fiber membranes for submerged forward osmosis processes. Journal of Membrane Science, 2020, 610, 118211.	4.1	7
21	Thermo-responsive nonionic amphiphilic copolymers as draw solutes in forward osmosis process for high-salinity water reclamation. Water Research, 2022, 221, 118768.	5.3	5