

Lu Elfa Peng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16
papers

304
citations

9
h-index

17
g-index

17
ext. papers

646
ext. citations

9.6
avg, IF

3.9
L-index

#	Paper	IF	Citations
16	A critical review on porous substrates of TFC polyamide membranes: Mechanisms, membrane performances, and future perspectives. <i>Journal of Membrane Science</i> , 2022 , 641, 119871	9.6	28
15	Nanofiltration for drinking water treatment: a review. <i>Frontiers of Chemical Science and Engineering</i> , 2021 , 1-18	4.5	8
14	Does interfacial vaporization of organic solvent affect the structure and separation properties of polyamide RO membranes?. <i>Journal of Membrane Science</i> , 2021 , 625, 119173	9.6	12
13	High-Efficiency Capture and Recovery of Anionic Perfluoroalkyl Substances from Water Using PVA/PDDA Nanofibrous Membranes with Near-Zero Energy Consumption. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 350-355	11	4
12	Contactless membrane distillation for effective ammonia recovery from waste sludge: A new configuration and mass transfer mechanism. <i>Journal of Membrane Science</i> , 2021 , 638, 119733	9.6	0
11	Osmotically enhanced reverse osmosis using hollow fiber membranes. <i>Journal of Membrane Science</i> , 2021 , 638, 119703	9.6	3
10	Dissecting the Role of Substrate on the Morphology and Separation Properties of Thin Film Composite Polyamide Membranes: Seeing Is Believing. <i>Environmental Science & Technology</i> , 2020 , 54, 6978-6986	10.3	47
9	Highly selective separation and resource recovery using forward osmosis membrane assembled by polyphenol network. <i>Journal of Membrane Science</i> , 2020 , 611, 118305	9.6	8
8	Mechanistic Insights into the Role of Polydopamine Interlayer toward Improved Separation Performance of Polyamide Nanofiltration Membranes. <i>Environmental Science & Technology</i> , 2020 , 54, 11611-11621	10.3	43
7	Engineering Interface with a One-Dimensional RuO/TiO Heteronanostructure in an Electrocatalytic Membrane Electrode: Toward Highly Efficient Micropollutant Decomposition. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 21596-21604	9.5	9
6	Seawater pretreatment with an NF-like forward osmotic membrane: Membrane preparation, characterization and performance comparison with RO-like membranes. <i>Desalination</i> , 2019 , 470, 114115 ^{10.3}	10.3	11
5	Non-Polyamide Based Nanofiltration Membranes Using Green Metal-Organic Coordination Complexes: Implications for the Removal of Trace Organic Contaminants. <i>Environmental Science & Technology</i> , 2019 , 53, 2688-2694	10.3	52
4	Tailoring Polyamide Rejection Layer with Aqueous Carbonate Chemistry for Enhanced Membrane Separation: Mechanistic Insights, Chemistry-Structure-Property Relationship, and Environmental Implications. <i>Environmental Science & Technology</i> , 2019 , 53, 9764-9770	10.3	40
3	Omniphobic Nanofibrous Membrane with Pine-Needle-Like Hierarchical Nanostructures: Toward Enhanced Performance for Membrane Distillation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 47983-47991 ^{8.5}	8.5	32
2	Deciphering the Role of Amine Concentration on Polyamide Formation toward Enhanced RO Performance. <i>ACS ES&T Engineering</i> ,		2
1	Tweak in Puzzle: Tailoring Membrane Chemistry and Structure toward Targeted Removal of Organic Micropollutants for Water Reuse. <i>Environmental Science and Technology Letters</i> ,	11	4