

Wei Cheng

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9549620/wei-cheng-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

21
papers

572
citations

13
h-index

23
g-index

24
ext. papers

787
ext. citations

10.4
avg, IF

4.1
L-index

#	Paper	IF	Citations
21	Selective removal of divalent cations by polyelectrolyte multilayer nanofiltration membrane: Role of polyelectrolyte charge, ion size, and ionic strength. <i>Journal of Membrane Science</i> , 2018 , 559, 98-106	9.6	140
20	Hydrophilic Fe ₂ O ₃ dynamic membrane mitigating fouling of support ceramic membrane in ultrafiltration of oil/water emulsion. <i>Separation and Purification Technology</i> , 2016 , 165, 1-9	8.3	58
19	Functionalization of ultrafiltration membrane with polyampholyte hydrogel and graphene oxide to achieve dual antifouling and antibacterial properties. <i>Journal of Membrane Science</i> , 2018 , 565, 293-302	9.6	57
18	Concentration and Recovery of Dyes from Textile Wastewater Using a Self-Standing, Support-Free Forward Osmosis Membrane. <i>Environmental Science & Technology</i> , 2019 , 53, 3078-3086	10.3	45
17	Biocatalytic and salt selective multilayer polyelectrolyte nanofiltration membrane. <i>Journal of Membrane Science</i> , 2018 , 549, 357-365	9.6	42
16	Engineering Carbon Nanotube Forest Superstructure for Robust Thermal Desalination Membranes. <i>Advanced Functional Materials</i> , 2019 , 29, 1903125	15.6	31
15	Elucidating the mechanisms underlying the difference between chloride and nitrate rejection in nanofiltration. <i>Journal of Membrane Science</i> , 2018 , 548, 694-701	9.6	31
14	Tuning the permselectivity of polymeric desalination membranes via control of polymer crystallite size. <i>Nature Communications</i> , 2019 , 10, 2347	17.4	29
13	Constructing zwitterionic polymer brush layer to enhance gravity-driven membrane performance by governing biofilm formation. <i>Water Research</i> , 2020 , 168, 115181	12.5	25
12	Graphene Oxide-Functionalized Membranes: The Importance of Nanosheet Surface Exposure for Biofouling Resistance. <i>Environmental Science & Technology</i> , 2020 , 54, 517-526	10.3	24
11	Photografting Graphene Oxide to Inert Membrane Materials to Impart Antibacterial Activity. <i>Environmental Science and Technology Letters</i> , 2019 , 6, 141-147	11	21
10	Micro fine particles deposition on gravity-driven ultrafiltration membrane to modify the surface properties and biofilm compositions: Water quality improvement and biofouling mitigation. <i>Chemical Engineering Journal</i> , 2020 , 393, 123270	14.7	15
9	Influence of composition and concentration of saline water on cation exchange behavior in forward osmosis desalination. <i>Water Research</i> , 2018 , 137, 9-17	12.5	14
8	Sub-1 μ m Free-Standing Symmetric Membrane for Osmotic Separations. <i>Environmental Science and Technology Letters</i> , 2019 , 6, 492-498	11	12
7	Silica Removal Using Magnetic Iron-Aluminum Hybrid Nanomaterials: Measurements, Adsorption Mechanisms, and Implications for Silica Scaling in Reverse Osmosis. <i>Environmental Science & Technology</i> , 2019 , 53, 13302-13311	10.3	11
6	Utilization of Bidirectional Cation Transport in a Thin Film Composite Membrane: Selective Removal and Reclamation of Ammonium from Synthetic Digested Sludge Centrate via an Osmosis-Distillation Hybrid Membrane Process. <i>Environmental Science & Technology</i> , 2020 , 54, 10313-10322	10.3	5
5	Tailoring the distribution of microbial communities and gene expressions to achieve integrating nitrogen transformation in a gravity-driven submerged membrane bioreactor. <i>Water Research</i> , 2020 , 187, 116382	12.5	4

4	Condensed solute droplets templated honeycomb pattern on polymer films. <i>Journal of Colloid and Interface Science</i> , 2014 , 436, 16-8	9.3	3
3	Diffuse-In/Condense-Out Behavior of Glycerol Induces Formation of Composite Membranes with Uniform Pores. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 36-41	3.9	2
2	Membrane Scaling and Wetting in Membrane Distillation: Mitigation Roles Played by Humic Substances.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	2
1	Condensed Low-Volatile Alcohol Droplet-Directed Uniform Pore Formation on Polystyrene Films. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 1638-1645	2.6	