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List of Publications by Year
in descending order

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Version: 2024-02-01

26 papers	560 citations	687335 13 h-index	642715 23 g-index
27 all docs	27 docs citations	27 times ranked	669 citing authors

#	Article	IF	Citations
1	Rejection of trace organic compounds by membrane processes: mechanisms, challenges, and opportunities. Reviews in Chemical Engineering, 2023, 39, 875-910.	4.4	4
2	Characterization of natural organic matter in South African drinking water treatment plants: Towards integrating ceramic membrane filtration. Water Environment Research, 2022, 94, e10693.	2.7	0
3	Modeling the antifouling properties of atomic layer deposition surface-modified ceramic nanofiltration membranes. Biofouling, 2022, 38, 441-454.	2.2	2
4	Preparation and Characterization of Hybrids of Cellulose Acetate Membranes Blended with Polysulfone and Embedded with Silica for Copper(II), Iron(II) and Zinc(II) Removal from Contaminated Solutions. Journal of Polymers and the Environment, 2021, 29, 3587-3604.	5.0	5
5	Carbon nanotube embedded ultrafiltration membranes for the treatment of rapid granular multimedia prefiltered beauty hair salon and municipal wastewater. Separation and Purification Technology, 2021, 267, 118618.	7.9	8
6	Sustainable Hydrothermal and Solvothermal Synthesis of Advanced Carbon Materials in Multidimensional Applications: A Review. Materials, 2021, 14, 5094.	2.9	31
7	Morphometric and Structural Properties of a Sustainable Plant Biomass with Water Purification Potentials. Sustainability, 2021, 13, 11075.	3.2	2
8	Leaching of CuO Nanoparticles from PES Ultrafiltration Membranes. ACS Omega, 2021, 6, 31797-31809.	3.5	31
9	Analysis and pretreatment of beauty hair salon wastewater using a rapid granular multimedia filtration system. Journal of Water Process Engineering, 2020, 33, 101050.	5.6	6
10	A new generation low-cost biochar-clay composite â€˜biscuitâ€™ ceramic filter for point-of-use water treatment. Applied Clay Science, 2020, 185, 105409.	5.2	38
11	A unique method for dopamine-cross-linked graphene nanoplatelets within polyethersulfone membranes (GNP-pDA/PES) for enhanced mechanochemical resistance during NF and RO desalination. European Polymer Journal, 2020, 136, 109889.	5.4	16
12	A New Method for a Polyethersulfone-Based Dopamine-Graphene (xGnP-DA/PES) Nanocomposite Membrane in Low/Ultra-Low Pressure Reverse Osmosis (L/ULPRO) Desalination. Membranes, 2020, 10, 439.	3.0	7
13	Investigating the fate of natural organic matter at a drinking water treatment plant in South Africa using optical spectroscopy and chemometric analysis. Water S A, 2020, 46, .	0.4	2
14	The occurrence of natural organic matter in South African water treatment plants. Journal of Water Process Engineering, 2019, 31, 100809.	5.6	9
15	Fundamental fouling mechanisms of dissolved organic matter fractions and their implications on the surface modifications of ceramic nanofiltration membranes: insights from a laboratory scale application. Water Science and Technology, 2019, 80, 1702-1714.	2.5	6
16	Water recovery from hydrolysed human urine samples via direct contact membrane distillation using PVDF/PTFE membrane. Separation and Purification Technology, 2019, 211, 610-617.	7.9	57
17	Forward osmosis membrane performance during simulated wastewater reclamation: Fouling mechanisms and fouling layer properties. Journal of Water Process Engineering, 2018, 23, 109-118.	5.6	27
18	Forward Osmosis as a Pre-Treatment Step for Seawater Dilution and Wastewater Reclamation. , 2018, , .		0

#	Article	IF	Citations
19	A refined draw solute flux model in forward osmosis: Theoretical considerations and experimental validation. Journal of Membrane Science, 2017, 522, 316-331.	8.2	25
20	Osmotic backwash of fouled FO membranes: Cleaning mechanisms and membrane surface properties after cleaning. Desalination, 2017, 402, 62-71.	8.2	44
21	Combined colloidal and organic fouling of FO membranes: The influence of foulantâ€“foulant interactions and ionic strength. Journal of Membrane Science, 2015, 493, 539-548.	8.2	36
22	Polypropyleneâ€“zeolite polymer composites for water purification: synthesis, characterisation and application. Desalination and Water Treatment, 2015, 53, 2604-2612.	1.0	12
23	Organic fouling in forward osmosis membranes: The role of feed solution chemistry and membrane structural properties. Journal of Membrane Science, 2014, 460, 99-109.	8.2	103
24	Adsorption of 2,4,6-Trichlorophenol and ortho-Nitrophenol from Aqueous Media Using Surfactant-Modified Clinoptiloliteâ€“Polypropylene Hollow Fibre Composites. Water, Air, and Soil Pollution, 2012, 223, 1555-1569.	2.4	14
25	The potential of melt-mixed polypropyleneâ€“zeolite blends in the removal of heavy metals from aqueous media. Physics and Chemistry of the Earth, 2011, 36, 1178-1188.	2.9	20
26	Preparation, characterization, and application of polypropyleneâ€“clinoptilolite composites for the selective adsorption of lead from aqueous media. Journal of Colloid and Interface Science, 2011, 359, 210-219.	9.4	49