

# Nicholas A Milne

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,237  
citations

471061

17  
h-index

642321

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1666  
citing authors

#	ARTICLE	IF	CITATIONS
1	Economic analysis of desalination technologies in the context of carbon pricing, and opportunities for membrane distillation. <i>Desalination</i> , 2013, 323, 66-74.	4.0	191
2	Seawater desalination performance of MFI type membranes made by secondary growth. <i>Separation and Purification Technology</i> , 2009, 68, 343-350.	3.9	145
3	Chemistry of silica scale mitigation for RO desalination with particular reference to remote operations. <i>Water Research</i> , 2014, 65, 107-133.	5.3	127
4	Thin film nanocomposite nanofiltration membranes from amine functionalized-boron nitride/polypiperazine amide with enhanced flux and fouling resistance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12066-12081.	5.2	122
5	Demonstration of membrane distillation on textile waste water: assessment of long term performance, membrane cleaning and waste heat integration. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 433-449.	1.2	89
6	Desalination of seawater ion complexes by MFI-type zeolite membranes: Temperature and long term stability. <i>Journal of Membrane Science</i> , 2014, 453, 126-135.	4.1	88
7	Plasma Modification and Synthesis of Membrane Materials—A Mechanistic Review. <i>Membranes</i> , 2018, 8, 56.	1.4	55
8	Dual function filtration and catalytic breakdown of organic pollutants in wastewater using ozonation with titania and alumina membranes. <i>Journal of Membrane Science</i> , 2011, 378, 61-72.	4.1	54
9	Recovery of sulphuric acid from waste and process solutions using solvent extraction. <i>Hydrometallurgy</i> , 2013, 138, 14-20.	1.8	45
10	Silica scale mitigation for high recovery reverse osmosis of groundwater for a mining process. <i>Desalination</i> , 2014, 340, 49-58.	4.0	42
11	Crystallite Size Dependence of Lithium Intercalation in Nanocrystalline Rutile. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12983-12995.	1.5	39
12	Membrane Distillation Trial on Textile Wastewater Containing Surfactants Using Hydrophobic and Hydrophilic-Coated Polytetrafluoroethylene (PTFE) Membranes. <i>Membranes</i> , 2018, 8, 31.	1.4	37
13	Electro-capture of heavy metal ions with carbon cloth integrated microfluidic devices. <i>Separation and Purification Technology</i> , 2018, 194, 26-32.	3.9	36
14	Recovery of water and acid from leach solutions using direct contact membrane distillation. <i>Water Science and Technology</i> , 2014, 69, 868-875.	1.2	33
15	Determining the potential role of the waste sector in decoupling of phosphorus: A comprehensive review of national scale substance flow analyses. <i>Resources, Conservation and Recycling</i> , 2019, 144, 144-157.	5.3	26
16	Membrane Distillation of Meat Industry Effluent with Hydrophilic Polyurethane Coated Polytetrafluoroethylene Membranes. <i>Membranes</i> , 2017, 7, 55.	1.4	18
17	Lithium Intercalation into the Titanosilicate Sitinakite. <i>Chemistry of Materials</i> , 2006, 18, 3192-3202.	3.2	17
18	Evaluation of iodide and titanium halide redox couple combinations for common electrolyte redox flow cell systems. <i>Journal of Applied Electrochemistry</i> , 2011, 41, 1233-1243.	1.5	15

#	ARTICLE	IF	CITATIONS
19	Assessment of pressure decay test for RO protozoa removal validation in remote operations. Desalination, 2016, 386, 19-24.	4.0	15
20	Combined TiO <sub>2</sub> membrane filtration and ozonation for efficient water treatment to enhance the reuse of wastewater. Desalination and Water Treatment, 2011, 34, 57-62.	1.0	14
21	Unravelling the anthropogenic pathways of phosphorus in the food production and consumption system of Bangladesh through the lens of substance flow analysis. Journal of Industrial Ecology, 2019, 23, 1439-1455.	2.8	12
22	Fouling mechanisms and reduced chemical potential of ceramic membranes combined with ozone. Water Practice and Technology, 2015, 10, 806-813.	1.0	9
23	Silica fouling in coal seam gas water reverse osmosis desalination. Environmental Science: Water Research and Technology, 2017, 3, 911-921.	1.2	8