

Musthafa O Mavukkandy

List of Publications by Citations

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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.

18
papers

565
citations

12
h-index

19
g-index

19
ext. papers

731
ext. citations

7.2
avg, IF

4.2
L-index

#	Paper	IF	Citations
18	Membrane distillation research & implementation: Lessons from the past five decades. <i>Separation and Purification Technology</i> , 2017 , 189, 108-127	8.3	126
17	Brine management in desalination industry: From waste to resources generation. <i>Desalination</i> , 2019 , 472, 114187	10.3	68
16	Photocatalytic hollow fiber membranes for the degradation of pharmaceutical compounds in wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 5014-5024	6.8	63
15	PVDF/magnetite blend membranes for enhanced flux and salt rejection in membrane distillation. <i>Desalination</i> , 2018 , 436, 69-80	10.3	43
14	Leaching of PVP from PVDF/PVP blend membranes: impacts on membrane structure and fouling in membrane bioreactors. <i>Journal of Materials Science</i> , 2016 , 51, 4328-4341	4.3	41
13	Shrinkage, defect and membrane distillation performance of composite PVDF membranes. <i>Desalination</i> , 2015 , 376, 62-72	10.3	40
12	Reversing membrane wetting in membrane distillation: comparing dryout to backwashing with pressurized air. <i>Environmental Science: Water Research and Technology</i> , 2017 , 3, 930-939	4.2	40
11	Thin film deposition techniques for polymeric membranes—A review. <i>Journal of Membrane Science</i> , 2020 , 610, 118258	9.6	35
10	Functional groups docking on PVDF membranes: Novel Piranha approach. <i>European Polymer Journal</i> , 2017 , 96, 414-428	5.2	18
9	Nanoporous hollow fiber polyethersulfone membranes for the removal of residual contaminants from treated wastewater effluent: Functional and molecular implications. <i>Separation and Purification Technology</i> , 2017 , 189, 20-31	8.3	18
8	A Clean-Green Synthesis of Platinum Nanoparticles Utilizing a Pernicious Weed Lantana (<i>Lantana Camara</i>). <i>American Journal of Engineering and Applied Sciences</i> , 2016 , 9, 84-90	0.4	17
7	CNT/PVP blend PVDF membranes for the removal of organic pollutants from simulated treated wastewater effluent. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 6733-6740	6.8	17
6	Synthesis of polydopamine coated tungsten oxide@ poly(vinylidene fluoride-co-hexafluoropropylene) electrospun nanofibers as multifunctional membranes for water applications. <i>Chemical Engineering Journal</i> , 2022 , 427, 131021	14.7	12
5	Synergistic effect of humic acid on alkali pretreatment of sugarcane bagasse for the recovery of lignin with phenomenal properties. <i>Biomass and Bioenergy</i> , 2020 , 134, 105486	5.3	8
4	Activation of PVDF membranes through facile hydroxylation of the polymeric dope. <i>Journal of Materials Research</i> , 2017 , 32, 4219-4231	2.5	7
3	Covalent surface entanglement of polyvinylidene fluoride membranes with carbon nanotubes. <i>European Polymer Journal</i> , 2018 , 100, 153-164	5.2	7
2	Recent developments in hazardous pollutants removal from wastewater and water reuse within a circular economy. <i>Npj Clean Water</i> , 2022 , 5,	11.2	3

- 1 Feedstock Availability, Composition, New Potential Resources for Biohydrogen, Biomethane, and Biobutanol Production via Biotechnological Routes **2017**, 261-276