

Miao Tian

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.

28
papers

1,560
citations

15
h-index

30
g-index

30
ext. papers

1,912
ext. citations

9
avg, IF

5.32
L-index

#	Paper	IF	Citations
28	Membrane-based air dehumidification: A comparative review on membrane contactors, separative membranes and adsorptive membranes. <i>Chinese Journal of Chemical Engineering</i> , 2022 , 41, 121-144	3.2	0
27	Highly selective proton exchange membranes for vanadium redox flow batteries enabled by the incorporation of water-insoluble phosphotungstic acid-metal organic framework nanohybrids. <i>Journal of Membrane Science</i> , 2022 , 645, 120214	9.6	1
26	Design of nanofibre interlayer supported forward osmosis composite membranes and its evaluation in fouling study with cleaning. <i>Frontiers of Environmental Science and Engineering</i> , 2022 , 16, 1	5.8	0
25	CNT/polyimide fiber-based 3D photothermal aerogel for high-efficiency and long-lasting seawater desalination. <i>Desalination</i> , 2022 , 535, 115836	10.3	1
24	Hydrophilic montmorillonite in tailoring the structure and selectivity of polyamide membrane. <i>Journal of Membrane Science</i> , 2022 , 657, 120674	9.6	0
23	A biomimetic antimicrobial surface for membrane fouling control in reverse osmosis for seawater desalination. <i>Desalination</i> , 2021 , 503, 114954	10.3	9
22	A full-scale study of nanofiltration: Separation and recovery of NaCl and Na ₂ SO ₄ from coal chemical industry wastewater. <i>Desalination</i> , 2021 , 517, 115239	10.3	6
21	Electrospun polyimide-based thin-film composite membranes for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2021 , 640, 119825	9.6	3
20	Electrospray-Printed Three-Tiered Composite Membranes with Enhanced Mass Transfer Coefficients for Phenol Removal in an Aqueous-Aqueous Membrane Extractive Process. <i>Environmental Science & Technology</i> , 2020 , 54, 7611-7618	10.3	9
19	Engineering highly effective nanofibrous membranes to demulsify surfactant-stabilized oil-in-water emulsions. <i>Journal of Membrane Science</i> , 2020 , 611, 118398	9.6	19
18	Development of robust and superhydrophobic membranes to mitigate membrane scaling and fouling in membrane distillation. <i>Journal of Membrane Science</i> , 2020 , 601, 117962	9.6	69
17	Spatial confinement of cobalt crystals in carbon nanofibers with oxygen vacancies as a high-efficiency catalyst for organics degradation. <i>Chemosphere</i> , 2020 , 245, 125407	8.4	18
16	Engineering a superwetting thin film nanofibrous composite membrane with excellent antifouling and self-cleaning properties to separate surfactant-stabilized oil-in-water emulsions. <i>Journal of Membrane Science</i> , 2020 , 596, 117721	9.6	31
15	Fabrication of bead-on-string polyacrylonitrile nanofibrous air filters with superior filtration efficiency and ultralow pressure drop. <i>Separation and Purification Technology</i> , 2020 , 237, 116377	8.3	47
14	Performance enhancement of ultrafiltration membrane via simple deposition of polymer-based modifiers. <i>Journal of Water Process Engineering</i> , 2020 , 33, 101034	6.7	4
13	Property Characterization and Mechanism Analysis of Polyoxometalates-Functionalized PVDF Membranes by Electrochemical Impedance Spectroscopy. <i>Membranes</i> , 2020 , 10,	3.8	2
12	Fabrication of aquaporin-based biomimetic membrane for seawater desalination. <i>Desalination</i> , 2019 , 467, 103-112	10.3	40

11	Design, development and evaluation of nanofibrous composite membranes with opposing membrane wetting properties for extractive membrane bioreactors. <i>Journal of Membrane Science</i> , 2018 , 551, 55-65	9.6	23
10	Progress in electrospun polymeric nanofibrous membranes for water treatment: Fabrication, modification and applications. <i>Progress in Polymer Science</i> , 2018 , 77, 69-94	29.6	396
9	Effects of internal concentration polarization and membrane roughness on phenol removal in extractive membrane bioreactor. <i>Journal of Membrane Science</i> , 2018 , 563, 309-319	9.6	15
8	Synthesis and characterization of thin film nanocomposite forward osmosis membranes supported by silica nanoparticle incorporated nanofibrous substrate. <i>Desalination</i> , 2017 , 401, 142-150	10.3	110
7	A high-performance and robust membrane with switchable super-wettability for oil/water separation under ultralow pressure. <i>Journal of Membrane Science</i> , 2017 , 543, 123-132	9.6	103
6	Synthesis and characterization of novel high-performance thin film nanocomposite (TFN) FO membranes with nanofibrous substrate reinforced by functionalized carbon nanotubes. <i>Desalination</i> , 2015 , 370, 79-86	10.3	78
5	Synthesis and characterization of high-performance novel thin film nanocomposite PRO membranes with tiered nanofiber support reinforced by functionalized carbon nanotubes. <i>Journal of Membrane Science</i> , 2015 , 486, 151-160	9.6	72
4	Preparation of polyamide thin film composite forward osmosis membranes using electrospun polyvinylidene fluoride (PVDF) nanofibers as substrates. <i>Separation and Purification Technology</i> , 2013 , 118, 727-736	8.3	155
3	Fabrication of polyvinylidene fluoride (PVDF) nanofiber membranes by electro-spinning for direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2013 , 425-426, 30-39	9.6	315
2	Study on the structure, morphology, and properties of end-functionalized star-shaped solution-polymerized styreneButadiene rubber. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 2516-2524	2.9	18
1	Some interesting phenomena in silica-filled HNBR with the addition of silane coupling agent. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 927-934	2.9	15