Miao Tian

List of Publications by Citations

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	Progress in electrospun polymeric nanofibrous membranes for water treatment: Fabrication, modification and applications. *Progress in Polymer Science*, **2018**, 77, 69-94	29.6	396
27	Fabrication of polyvinylidene fluoride (PVDF) nanofiber membranes by electro-spinning for direct contact membrane distillation. *Journal of Membrane Science*, **2013**, 425-426, 30-39	9.6	315
26	Preparation of polyamide thin film composite forward osmosis membranes using electrospun polyvinylidene fluoride (PVDF) nanofibers as substrates. *Separation and Purification Technology*, **2013**, 118, 727-736	8.3	155
25	Synthesis and characterization of thin film nanocomposite forward osmosis membranes supported by silica nanoparticle incorporated nanofibrous substrate. *Desalination*, **2017**, 401, 142-150	10.3	110
24	A high-performance and robust membrane with switchable super-wettability for oil/water separation under ultralow pressure. *Journal of Membrane Science*, **2017**, 543, 123-132	9.6	103
23	Synthesis and characterization of novel high-performance thin film nanocomposite (TFN) FO membranes with nanofibrous substrate reinforced by functionalized carbon nanotubes. *Desalination*, **2015**, 370, 79-86	10.3	78
22	Synthesis and characterization of high-performance novel thin film nanocomposite PRO membranes with tiered nanofiber support reinforced by functionalized carbon nanotubes. *Journal of Membrane Science*, **2015**, 486, 151-160	9.6	72
21	Development of robust and superhydrophobic membranes to mitigate membrane scaling and fouling in membrane distillation. *Journal of Membrane Science*, **2020**, 601, 117962	9.6	69
20	Fabrication of bead-on-string polyacrylonitrile nanofibrous air filters with superior filtration efficiency and ultralow pressure drop. *Separation and Purification Technology*, **2020**, 237, 116377	8.3	47
19	Fabrication of aquaporin-based biomimetic membrane for seawater desalination. *Desalination*, **2019**, 467, 103-112	10.3	40
18	Engineering a superwetting thin film nanofibrous composite membrane with excellent antifouling and self-cleaning properties to separate surfactant-stabilized oil-in-water emulsions. *Journal of Membrane Science*, **2020**, 596, 117721	9.6	31
17	Design, development and evaluation of nanofibrous composite membranes with opposing membrane wetting properties for extractive membrane bioreactors. *Journal of Membrane Science*, **2018**, 551, 55-65	9.6	23
16	Engineering highly effective nanofibrous membranes to demulsify surfactant-stabilized oil-in-water emulsions. *Journal of Membrane Science*, **2020**, 611, 118398	9.6	19
15	Study on the structure, morphology, and properties of end-functionalized star-shaped solution-polymerized styrene–butadiene rubber. *Journal of Applied Polymer Science*, **2013**, 128, 2516-2524	2.9	18
14	Spatial confinement of cobalt crystals in carbon nanofibers with oxygen vacancies as a high-efficiency catalyst for organics degradation. *Chemosphere*, **2020**, 245, 125407	8.4	18
13	Effects of internal concentration polarization and membrane roughness on phenol removal in extractive membrane bioreactor. *Journal of Membrane Science*, **2018**, 563, 309-319	9.6	15
12	Some interesting phenomena in silica-filled HNBR with the addition of silane coupling agent. *Journal of Applied Polymer Science*, **2012**, 124, 927-934	2.9	15

List of Publications

11	Electrospray-Printed Three-Tiered Composite Membranes with Enhanced Mass Transfer Coefficients for Phenol Removal in an Aqueous-Aqueous Membrane Extractive Process. *Environmental Science & Technology*, **2020**, 54, 7611-7618	10.3	9
10	A biomimetic antimicrobial surface for membrane fouling control in reverse osmosis for seawater desalination. *Desalination*, **2021**, 503, 114954	10.3	9
9	A full-scale study of nanofiltration: Separation and recovery of NaCl and Na2SO4 from coal chemical industry wastewater. *Desalination*, **2021**, 517, 115239	10.3	6
8	Performance enhancement of ultrafiltration membrane via simple deposition of polymer-based modifiers. *Journal of Water Process Engineering*, **2020**, 33, 101034	6.7	4
7	Electrospun polyimide-based thin-film composite membranes for organic solvent nanofiltration. *Journal of Membrane Science*, **2021**, 640, 119825	9.6	3
6	Property Characterization and Mechanism Analysis of Polyoxometalates-Functionalized PVDF Membranes by Electrochemical Impedance Spectroscopy. *Membranes*, **2020**, 10,	3.8	2
5	Highly selective proton exchange membranes for vanadium redox flow batteries enabled by the incorporation of water-insoluble phosphotungstic acid-metal organic framework nanohybrids. *Journal of Membrane Science*, **2022**, 645, 120214	9.6	1
4	CNT/polyimide fiber-based 3D photothermal aerogel for high-efficiency and long-lasting seawater desalination. *Desalination*, **2022**, 535, 115836	10.3	1
3	Membrane-based air dehumidification: A comparative review on membrane contactors, separative membranes and adsorptive membranes. *Chinese Journal of Chemical Engineering*, **2022**, 41, 121-144	3.2	0
2	Design of nanofibre interlayer supported forward osmosis composite membranes and its evaluation in fouling study with cleaning. *Frontiers of Environmental Science and Engineering*, **2022**, 16, 1	5.8	0
1	Hydrophilic montmorillonite in tailoring the structure and selectivity of polyamide membrane. *Journal of Membrane Science*, **2022**, 657, 120674	9.6	0