

# Jianqiang Wang

## 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.

60  
papers

2,481  
citations

30  
h-index

49  
g-index

62  
ext. papers

2,976  
ext. citations

8.4  
avg, IF

5.47  
L-index

#	Paper	IF	Citations
60	Air nanobubbles (ANBs) incorporated sandwich-structured carbon nanotube membranes (CNM) for highly permeable and stable forward osmosis <b>2022</b> , 2, 100026		0
59	Bone/muscle-inspired polymer porous matrix toughened carbon nanofibrous catalytic membranes for robust emerging contaminants removal. <i>Chemical Engineering Journal</i> , <b>2022</b> , 442, 136069	14.7	0
58	Electrosprayed polyamide nanofiltration membrane with uniform and tunable pores for sub-nm precision molecule separation. <i>Separation and Purification Technology</i> , <b>2021</b> , 282, 120131	8.3	3
57	Second interfacial polymerization decorating defects of TFC NF membrane formed by 1D nanochannels for improving separation performance. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 10, 106896	6.8	0
56	In situ generated micro-bubbles enhanced membrane antifouling for separation of oil-in-water emulsion. <i>Journal of Membrane Science</i> , <b>2021</b> , 621, 119005	9.6	13
55	Reversible filtration redox of methylene blue in dimethylsulfoxide by manganese oxide loaded carbonaceous nanofibrous membrane through Fenton-like oxidation. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 588, 436-445	9.3	4
54	Confined Channels Induced Coalescence Demulsification and Slippery Interfaces Constructed Fouling Resist-Release for Long-Lasting Oil/Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	2
53	Exceptional interfacial solar evaporation via heteromorphic PTFE/CNT hollow fiber arrays. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 390-399	13	13
52	Beyond Superwetting Surfaces: Dual-Scale Hyperporous Membrane with Rational Wettability for "Nonfouling" Emulsion Separation via Coalescence Demulsification. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 4731-4739	9.5	12
51	High-Temperature Magic-Angle Spin Nuclear Magnetic Resonance Reveals Sodium Ion-Doped Crystal-Phase Formation in FLiNaK Eutectic Salt Solidification. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 4704-4709	3.8	2
50	Poly(vinyl alcohol)/polydopamine hybrid nanofiltration membrane fabricated through aqueous electrospinning with excellent antifouling and chlorine resistance. <i>Journal of Membrane Science</i> , <b>2021</b> , 632, 119385	9.6	10
49	Interfacial polymerized polyamide nanofiltration membrane by demulsification of hexane-in-water droplets through hydrophobic PTFE membrane: Membrane performance and formation mechanism. <i>Separation and Purification Technology</i> , <b>2021</b> , 275, 119227	8.3	3
48	ZIF-67 derived nanofibrous catalytic membranes for ultrafast removal of antibiotics under flow-through filtration via non-radical dominated pathway. <i>Journal of Membrane Science</i> , <b>2021</b> , 639, 119782	9.6	5
47	Electrosprayed polyamide nanofiltration membrane with intercalated structure for controllable structure manipulation and enhanced separation performance. <i>Journal of Membrane Science</i> , <b>2020</b> , 602, 117971	9.6	40
46	Electrosprayed polydopamine membrane: Surface morphology, chemical stability and separation performance study. <i>Separation and Purification Technology</i> , <b>2020</b> , 244, 116857	8.3	15
45	Carbonaceous microsphere/nanofiber composite superhydrophilic membrane with enhanced anti-adhesion property towards oil and anionic surfactant: Membrane fabrication and applications. <i>Separation and Purification Technology</i> , <b>2020</b> , 235, 116189	8.3	16
44	Superhydrophilic carbonaceous-silver nanofibrous membrane for complex oil/water separation and removal of heavy metal ions, organic dyes and bacteria. <i>Journal of Membrane Science</i> , <b>2020</b> , 614, 118491	9.6	36

43	Novel Janus membrane with unprecedented osmosis transport performance. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 632-638	13	27
42	Living Electro spray A controllable polydopamine nano-coating strategy with zero liquid discharge for separation. <i>Journal of Membrane Science</i> , <b>2019</b> , 586, 170-176	9.6	17
41	One-step tailoring surface roughness and surface chemistry to prepare superhydrophobic polyvinylidene fluoride (PVDF) membranes for enhanced membrane distillation performances. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 553, 99-107	9.3	43
40	Superhydrophilic and mechanical robust PVDF nanofibrous membrane through facile interfacial Span 80 welding for excellent oil/water separation. <i>Applied Surface Science</i> , <b>2019</b> , 485, 179-187	6.7	33
39	Polymeric catalytically active membranes for reaction-separation coupling: A review. <i>Journal of Membrane Science</i> , <b>2019</b> , 583, 118-138	9.6	54
38	Sustaining fouling resistant membranes: Membrane fabrication, characterization and mechanism understanding of demulsification and fouling-resistance. <i>Journal of Membrane Science</i> , <b>2019</b> , 581, 105-113	9.6	35
37	Microstructure, Texture, and Mechanical Properties of Continuously Extruded and Rolled AZ31 Magnesium Alloy Sheets. <i>Journal of Materials Engineering and Performance</i> , <b>2019</b> , 28, 6692-6703	1.6	6
36	Gravity-driven catalytic nanofibrous membrane with microsphere and nanofiber coordinated structure for ultrafast continuous reduction of 4-nitrophenol. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 538, 108-115	9.3	14
35	Janus Membrane with Unparalleled Forward Osmosis Performance. <i>Environmental Science and Technology Letters</i> , <b>2019</b> , 6, 79-85	11	32
34	Fast polydopamine coating on reverse osmosis membrane: Process investigation and membrane performance study. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 535, 239-244	9.3	35
33	Polydopamine enabled palladium loaded nanofibrous membrane and its catalytic performance for trichloroethene dechlorination. <i>Applied Catalysis A: General</i> , <b>2018</b> , 559, 122-126	5.1	21
32	Polydopamine coating on a thin film composite forward osmosis membrane for enhanced mass transport and antifouling performance. <i>Journal of Membrane Science</i> , <b>2018</b> , 551, 234-242	9.6	84
31	Novel polyethyleneimine/TMC-based nanofiltration membrane prepared on a polydopamine coated substrate. <i>Frontiers of Chemical Science and Engineering</i> , <b>2018</b> , 12, 273-282	4.5	28
30	Facile fabrication of nanofiber- and micro/nanosphere-coordinated PVDF membrane with ultrahigh permeability of viscous water-in-oil emulsions. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 7014-7020	13	91
29	Catalytic PVDF membrane for continuous reduction and separation of p-nitrophenol and methylene blue in emulsified oil solution. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 579-586	14.7	87
28	Janus Polyvinylidene Fluoride Membrane with Extremely Opposite Wetting Surfaces via One Single-Step Unidirectional Segregation Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 24947-24954	9.5	46
27	Solvent-thermal induced roughening: A novel and versatile method to prepare superhydrophobic membranes. <i>Journal of Membrane Science</i> , <b>2018</b> , 564, 465-472	9.6	50
26	Catalytic conversion controlled interfacial polymerization for polyamide membranes. <i>Reactive and Functional Polymers</i> , <b>2018</b> , 131, 84-88	4.6	2

25	A highly selective surface coating for enhanced membrane rejection of endocrine disrupting compounds: Mechanistic insights and implications. <i>Water Research</i> , <b>2017</b> , 121, 197-203	12.5	55
24	Gravity-driven catalytic nanofibrous membranes prepared using a green template. <i>Journal of Membrane Science</i> , <b>2017</b> , 525, 298-303	9.6	32
23	A One-Step Rapid Assembly of Thin Film Coating Using Green Coordination Complexes for Enhanced Removal of Trace Organic Contaminants by Membranes. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 12638-12643	10.3	66
22	A novel gravity-driven nanofibrous membrane for point-of-use water disinfection: polydopamine-induced in situ silver incorporation. <i>Scientific Reports</i> , <b>2017</b> , 7, 2334	4.9	35
21	Robust superhydrophobic-superoleophilic polytetrafluoroethylene nanofibrous membrane for oil/water separation. <i>Journal of Membrane Science</i> , <b>2017</b> , 540, 354-361	9.6	145
20	Removal of perfluorooctane sulfonate by a gravity-driven membrane: Filtration performance and regeneration behavior. <i>Separation and Purification Technology</i> , <b>2017</b> , 174, 136-144	8.3	14
19	Does Hydrophilic Polydopamine Coating Enhance Membrane Rejection of Hydrophobic Endocrine-Disrupting Compounds?. <i>Environmental Science and Technology Letters</i> , <b>2016</b> , 3, 332-338	11	84
18	Preparation of Fe <sub>2</sub> O <sub>3</sub> /polyacrylonitrile nanofiber mat as an effective lead adsorbent. <i>Environmental Science: Nano</i> , <b>2016</b> , 3, 894-901	7.1	32
17	Graphene Oxide as an Effective Barrier on a Porous Nanofibrous Membrane for Water Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 6211-8	9.5	242
16	Membranes with selective laminar nanochannels of modified reduced graphene oxide for water purification. <i>Carbon</i> , <b>2016</b> , 103, 94-100	10.4	83
15	The influence of polyamic acid molecular weight on the membrane structure and performance of polyimide solvent-resistant nanofiltration. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 777-785	3.5	10
14	Fabrication and Formation Mechanism of Ag Nanoplate-Decorated Nanofiber Mats and Their Application in SERS. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 86-92	4.5	16
13	One-pot preparation of polyimide/Fe <sub>3</sub> O <sub>4</sub> magnetic nanofibers with solvent resistant properties. <i>Composites Science and Technology</i> , <b>2016</b> , 133, 97-103	8.6	37
12	In Situ Reduction of Silver by Polydopamine: A Novel Antimicrobial Modification of a Thin-Film Composite Polyamide Membrane. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 9543-50	10.3	131
11	Thiol-functionalized electrospun polyacrylonitrile nanofibrous membrane for highly efficient removal of mercury ions. <i>Chemical Engineering Research and Design</i> , <b>2016</b> , 113, 1-8	5.5	20
10	Functionalization of polyacrylonitrile nanofiber mat via surface-initiated atom transfer radical polymerization for copper ions removal from aqueous solution. <i>Desalination and Water Treatment</i> , <b>2015</b> , 54, 2856-2867		16
9	Self-assembly of various silver nanocrystals on PmPD/PAN nanofibers as a high-performance 3D SERS substrate. <i>Analyst, The</i> , <b>2015</b> , 140, 5707-15	5	13
8	Polyethylenimine coated bacterial cellulose nanofiber membrane and application as adsorbent and catalyst. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 440, 32-8	9.3	68

7	Hierarchically structured polyacrylonitrile nanofiber mat as highly efficient lead adsorbent for water treatment. <i>Chemical Engineering Journal</i> , <b>2015</b> , 262, 775-784	14.7	65
6	Mechanism study of selective heavy metal ion removal with polypyrrole-functionalized polyacrylonitrile nanofiber mats. <i>Applied Surface Science</i> , <b>2014</b> , 316, 245-250	6.7	47
5	Functionalization of polyacrylonitrile nanofiber using ATRP method for boric acid removal from aqueous solution. <i>Journal of Water Process Engineering</i> , <b>2014</b> , 3, 98-104	6.7	24
4	Poly(N,N-dimethylaminoethyl methacrylate) modification of a regenerated cellulose membrane using ATRP method for copper(II) ion removal. <i>RSC Advances</i> , <b>2013</b> , 3, 20625	3.7	20
3	Electrospun Self-Supporting Nanocomposite Films of Na <sub>9</sub> [EuW <sub>10</sub> O <sub>36</sub> ]·2H <sub>2</sub> O/PAN as pH-Modulated Luminescent Switch. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 2598-2603	3.9	33
2	Polyacrylonitrile/polyaniline core/shell nanofiber mat for removal of hexavalent chromium from aqueous solution: mechanism and applications. <i>RSC Advances</i> , <b>2013</b> , 3, 8978	3.7	99
1	Polyacrylonitrile/polypyrrole core/shell nanofiber mat for the removal of hexavalent chromium from aqueous solution. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 244-245, 121-9	12.8	215