Xuefen Wang

List of Publications by Year
in descending order

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70 papers	4,927 citations	87723 38 h-index	98622 67 g-index
70 all docs	70 docs citations	70 times ranked	5080 citing authors

#	Article	IF	Citations
1	PPy nanotubes-enabled in-situ heating nanofibrous composite membrane for solar-driven membrane distillation. Separation and Purification Technology, 2022, 281, 119995.	3.9	27
2	High-performance TFNC membrane with adsorption assisted for removal of Pb(II) and other contaminants. Journal of Hazardous Materials, 2022, 424, 127742.	6.5	30
3	Coordination of Copper Ion Crosslinked Composite Beads with Enhanced Toxins Adsorption and Thin-Film Nanofibrous Composite Membrane for Realizing the Lightweight Hemodialysis. Advanced Fiber Materials, 2022, 4, 556-570.	7.9	6
4	Coordination of thin-film nanofibrous composite dialysis membrane and reduced graphene oxide aerogel adsorbents for elimination of indoxyl sulfate. Chinese Journal of Chemical Engineering, 2022, 49, 111-121.	1.7	5
5	Hierarchical CuOâ€“ZnO/SiO2 Fibrous Membranes for Efficient Removal of Congo Red and 4-Nitrophenol from Water. Advanced Fiber Materials, 2022, 4, 1069-1080.	7.9	27
6	Highly permeable composite nanofiltration membrane via Î³-cyclodextrin modulation for multiple applications. Separation and Purification Technology, 2022, 297, 121541.	3.9	11
7	High-performance polyamide composite membranes via double-interfacial polymerizations on a nanofibrous substrate for pervaporation dehydration. Separation and Purification Technology, 2021, 257, 117927.	3.9	25
8	A novel cost-effective PAN/CNS nanofibrous membranes with rich carboxyl groups for high efficient adsorption of Lanthanum(III) ions. Separation and Purification Technology, 2021, 259, 118216.	3.9	17
9	Customizing versatile polyamide nanofiltration membrane by the incorporation of a novel glycolic acid inhibitor. Separation and Purification Technology, 2021, 255, 117632.	3.9	11
10	High permeability composite nanofiltration membrane assisted by introducing TpPa covalent organic frameworks interlayer with nanorods for desalination and NaCl/dye separation. Separation and Purification Technology, 2021, 270, 118802.	3.9	53
11	Dialysis/adsorption bifunctional thin-film nanofibrous composite membrane for creatinine clearance in portable artificial kidney. Journal of Membrane Science, 2021, 636, 119550.	4.1	21
12	3D Porous poly(lactic acid)/regenerated cellulose composite scaffolds based on electrospun nanofibers for biomineralization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 585, 124048.	2.3	43
13	Protein-resistant surface based on zwitterion-functionalized nanoparticles for marine antifouling applications. New Journal of Chemistry, 2020, 44, 2059-2069.	1.4	19
14	Engineering construction of robust superhydrophobic two-tier composite membrane with interlocked structure for membrane distillation. Journal of Membrane Science, 2020, 598, 117813.	4.1	41
15	Biomimetic sulfated silk nanofibrils for constructing rapid mid-molecule toxins removal nanochannels. Journal of Membrane Science, 2020, 598, 117667.	4.1	11
16	Heparinized thin-film composite membranes with sub-micron ridge structure for efficient hemodialysis. Journal of Membrane Science, 2020, 599, 117706.	4.1	25
17	Novel gelatin/polyacrylonitrile thin film nanofibrous composite membranes with high filtration performance. IOP Conference Series: Earth and Environmental Science, 2020, 565, 012066.	0.2	0
18	Facile Fabrication of Environmentally Friendly, Waterproof, and Breathable Nanofibrous Membranes with High UV-Resistant Performance by One-Step Electrospinning. Industrial & Engineering Chemistry Research, 2020, 59, 4447-4458.	1.8	42

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19	Salt-tuned fabrication of novel polyamide composite nanofiltration membranes with three-dimensional turing structures for effective desalination. Journal of Membrane Science, 2020, 607, 118153.	4.1	63
20	Enhancing Dehydration Performance of Isopropanol by Introducing Intermediate Layer into Sodium Alginate Nanofibrous Composite Pervaporation Membrane. Advanced Fiber Materials, 2019, 1, 137-151.	7.9	15
21	Silver Nanoparticle-Enabled Photothermal Nanofibrous Membrane for Light-Driven Membrane Distillation. Industrial & Engineering Chemistry Research, 2019, 58, 3269-3281.	1.8	70
22	Electrospun Nanofibers for Water Treatment. , 2019, , 419-453.		2
23	High performance polyamide composite nanofiltration membranes via reverse interfacial polymerization with the synergistic interaction of gelatin interlayer and trimesoyl chloride. Journal of Membrane Science, 2019, 588, 117192.	4.1	91
24	Novel thin-film nanofibrous composite membranes containing directional toxin transport nanochannels for efficient and safe hemodialysis application. Journal of Membrane Science, 2019, 582, 151-163.	4.1	43
25	Constructing zwitterionic coatings on thin-film nanofibrous composite membrane substrate for multifunctionality. Applied Surface Science, 2019, 483, 979-990.	3.1	24
26	Eco-friendly construction of dye-fouled loose CS/PAN nanofibrous composite membranes for permeability-selectivity anti-trade-off property. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 569, 145-155.	2.3	24
27	Hierarchically structural PAN/UiO-66-(COOH)2 nanofibrous membranes for effective recovery of Terbium(III) and Europium(III) ions and their photoluminescence performances. Chemical Engineering Journal, 2019, 370, 729-741.	6.6	83
28	Robust superhydrophobic dual layer nanofibrous composite membranes with a hierarchically structured amorphous polypropylene skin for membrane distillation. Journal of Materials Chemistry A, 2019, 7, 11282-11297.	5.2	52
29	Enhanced pervaporation performance of polyamide membrane with synergistic effect of porous nanofibrous support and trace graphene oxide lamellae. Chemical Engineering Science, 2019, 196, 265-276.	1.9	33
30	Nanofibrous composite hemodiafiltration membrane: A facile approach towards tuning the barrier layer for enhanced performance. Applied Surface Science, 2019, 465, 950-963.	3.1	16
31	Sulfonylcalix[4]arene functionalized nanofiber membranes for effective removal and selective fluorescence recognition of terbium(<scp>iii</scp>) ions. New Journal of Chemistry, 2018, 42, 6191-6202.	1.4	7
32	Integrated polyamide thin-film nanofibrous composite membrane regulated by functionalized interlayer for efficient water/isopropanol separation. Journal of Membrane Science, 2018, 553, 70-81.	4.1	67
33	Biodegradable PLA Nonwoven Fabric with Controllable Wettability for Efficient Water Purification and Photocatalysis Degradation. ACS Sustainable Chemistry and Engineering, 2018, 6, 2445-2452.	3.2	87
34	Superelastic three-dimensional nanofiber-reconfigured spongy hydrogels with superior adsorption of lanthanide ions and photoluminescence. Chemical Engineering Journal, 2018, 348, 95-108.	6.6	17
35	Anionic Surfactant-Triggered Steiner Geometrical Poly(vinylidene fluoride) Nanofiber/Nanonet Air Filter for Efficient Particulate Matter Removal. ACS Applied Materials & Interfaces, 2018, 10, 42891-42904.	4.0	73
36	Eco-friendly poly(acrylic acid)-sodium alginate nanofibrous hydrogel: A multifunctional platform for superior removal of Cu(II) and sustainable catalytic applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 558, 228-241.	2.3	74

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37	Self-roughened omniphobic coatings on nanofibrous membrane for membrane distillation. Separation and Purification Technology, 2018, 206, 14-25.	3.9	82
38	Robust construction of a graphene oxide barrier layer on a nanofibrous substrate assisted by the flexible poly(vinylalcohol) for efficient pervaporation desalination. Journal of Materials Chemistry A, 2017, 5, 3558-3568.	5.2	86
39	A durable thin-film nanofibrous composite nanofiltration membrane prepared by interfacial polymerization on a double-layer nanofibrous scaffold. RSC Advances, 2017, 7, 18001-18013.	1.7	39
40	Ionic Cross-Linked Poly(acrylonitrile-co-acrylic acid)/Polyacrylonitrile Thin Film Nanofibrous Composite Membrane with High Ultrafiltration Performance. Industrial & Engineering Chemistry Research, 2017, 56, 3077-3090.	1.8	17
41	High performance thin-film nanofibrous composite hemodialysis membranes with efficient middle-molecule uremic toxin removal. Journal of Membrane Science, 2017, 523, 173-184.	4.1	111
42	Electrospun nanofiber membranes. Current Opinion in Chemical Engineering, 2016, 12, 62-81.	3.8	200
43	Low pressure UV-cured CSâ€“PEOâ€“PTEGDMA/PAN thin film nanofibrous composite nanofiltration membranes for anionic dye separation. Journal of Materials Chemistry A, 2016, 4, 15575-15588.	5.2	62
44	A novel profiled coreâ€“shell nanofibrous membrane for wastewater treatment by direct contact membrane distillation. Journal of Materials Chemistry A, 2016, 4, 14453-14463.	5.2	42
45	Electrospun Poly(acrylic acid)/Silica Hydrogel Nanofibers Scaffold for Highly Efficient Adsorption of Lanthanide Ions and Its Photoluminescence Performance. ACS Applied Materials & Interfaces, 2016, 8, 23995-24007.	4.0	89
46	High filtration performance thin film nanofibrous composite membrane prepared by electrospraying technique and hot-pressing treatment. Journal of Membrane Science, 2016, 499, 470-479.	4.1	49
47	High-performance nanofiltration membrane prepared by dopamine-assisted interfacial polymerization on PES nanofibrous scaffolds. Desalination and Water Treatment, 2016, 57, 9549-9557.	1.0	18
48	High recovery of lead ions from aminated polyacrylonitrile nanofibrous affinity membranes with micro/nano structure. Journal of Hazardous Materials, 2015, 295, 161-169.	6.5	80
49	Micro-nano structure nanofibrous p-sulfonatocalix[8]arene complex membranes for highly efficient and selective adsorption of lanthanum(<scp>iii</scp>) ions in aqueous solution. RSC Advances, 2015, 5, 21178-21188.	1.7	30
50	Electrospun Superhydrophobic Organic/Inorganic Composite Nanofibrous Membranes for Membrane Distillation. ACS Applied Materials & Interfaces, 2015, 7, 21919-21930.	4.0	186
51	Nanofibrous polydopamine complex membranes for adsorption of Lanthanum (III) ions. Chemical Engineering Journal, 2014, 244, 307-316.	6.6	106
52	Facile Immobilization of Ag Nanocluster on Nanofibrous Membrane for Oil/Water Separation. ACS Applied Materials & Interfaces, 2014, 6, 15272-15282.	4.0	152
53	Dual-Biomimetic Superhydrophobic Electrospun Polystyrene Nanofibrous Membranes for Membrane Distillation. ACS Applied Materials & Interfaces, 2014, 6, 2423-2430.	4.0	141
54	Control of structure and morphology of highly aligned PLLA ultrafine fibers via linear-jet electrospinning. Polymer, 2013, 54, 6045-6051.	1.8	28

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55	Highly sensitive and selective Cu2+ sensor based on electrospun rhodamine dye doped poly(ether) Tj ETQq1 1 0.784314 rgBT /Overlo	4.0	45
56	High flux low pressure thin film nanocomposite ultrafiltration membranes based on nanofibrous substrates. Separation and Purification Technology, 2013, 108, 143-151.	3.9	70
57	Micro-nano structure poly(ether sulfones)/poly(ethyleneimine) nanofibrous affinity membranes for adsorption of anionic dyes and heavy metal ions in aqueous solution. Chemical Engineering Journal, 2012, 197, 88-100.	6.6	250
58	Low pressure high flux thin film nanofibrous composite membranes prepared by electrospraying technique combined with solution treatment. Journal of Membrane Science, 2012, 394-395, 241-247.	4.1	61
59	Poly(ethyleneimine) nanofibrous affinity membrane fabricated via one step wet-electrospinning from poly(vinyl alcohol)-doped poly(ethyleneimine) solution system and its application. Journal of Membrane Science, 2011, 379, 191-199.	4.1	93
60	Fabrication of Micro-Nano Structure Nanofibers by Solvent Etching. Journal of Nanoscience and Nanotechnology, 2011, 11, 6919-6925.	0.9	10
61	Development of hydrophilic barrier layer on nanofibrous substrate as composite membrane via a facile route. Journal of Membrane Science, 2010, 356, 110-116.	4.1	111
62	Aligned and molecularly oriented semihollow ultrafine polymer fiber yarns by a facile method. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1118-1125.	2.4	25
63	Enhanced Mechanical Performance of Selfâ€Bundled Electrospun Fiber Yarns via Postâ€Treatments. Macromolecular Rapid Communications, 2008, 29, 826-831.	2.0	87
64	Continuous polymer nanofiber yarns prepared by self-bundling electrospinning method. Polymer, 2008, 49, 2755-2761.	1.8	150
65	In-Situ X-ray Deformation Study of Fluorinated Multiwalled Carbon Nanotube and Fluorinated Ethyleneâ"Propylene Nanocomposite Fibers. Macromolecules, 2006, 39, 5427-5437.	2.2	40
66	High flux ultrafiltration membranes based on electrospun nanofibrous PAN scaffolds and chitosan coating. Polymer, 2006, 47, 2434-2441.	1.8	503
67	High performance ultrafiltration composite membranes based on poly(vinyl alcohol) hydrogel coating on crosslinked nanofibrous poly(vinyl alcohol) scaffold. Journal of Membrane Science, 2006, 278, 261-268.	4.1	225
68	Formation of water-resistant hyaluronic acid nanofibers by blowing-assisted electro-spinning and non-toxic post treatments. Polymer, 2005, 46, 4853-4867.	1.8	136
69	High Flux Filtration Medium Based on Nanofibrous Substrate with Hydrophilic Nanocomposite Coating. Environmental Science & Technology, 2005, 39, 7684-7691.	4.6	348
70	Development of highâ€flux aciduric ultraâ€thin nanofibrous pervaporation composite membrane for acetic acid dehydration. Journal of Applied Polymer Science, 0, , .	1.3	0