

Zhen-Liang Xu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3083013/zhen-liang-xu-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

157
papers

4,003
citations

32
h-index

57
g-index

162
ext. papers

5,149
ext. citations

7.5
avg, IF

6.16
L-index

#	Paper	IF	Citations
157	Separation of single and mixed anionic dyes in saline solutions using uncharged polyacrylonitrile-tris(hydroxymethyl)aminomethane (PAN-Tris) ultrafiltration membrane: Performance and mechanism. <i>Journal of Cleaner Production</i> , 2022 , 336, 130471	10.3	0
156	2D nanosheets optimized electropray-assisted interfacial polymerization polyamide membrane with excellent separation performance. <i>Journal of Membrane Science</i> , 2022 , 647, 120308	9.6	0
155	Ceramic hollow fiber NF membrane incorporating UiO-66 for the chlorinated hydrocarbons removal. <i>Chemical Engineering Journal</i> , 2022 , 435, 134789	14.7	0
154	Epoxide-based PDMS TFC membrane fabricated via the T-FLO technique for the phenol separation. <i>Journal of Membrane Science</i> , 2022 , 641, 119937	9.6	0
153	Surfactants attached thin film composite (TFC) nanofiltration (NF) membrane via intermolecular interaction for heavy metals removal. <i>Journal of Membrane Science</i> , 2022 , 642, 119930	9.6	5
152	SUZ-4 zeolite membrane fabricated by dynamic hydrothermal crystallization for pervaporation separation of MeOH/MMA mixture. <i>Journal of Membrane Science</i> , 2022 , 642, 119974	9.6	2
151	Organic solvent nanofiltration (OSN) membrane with polyamantadinamide active layer for reducing separation performance inconformity. <i>Separation and Purification Technology</i> , 2022 , 278, 119582	8.3	2
150	Effects of locations of cellulose nanofibers in membrane on the performance of positively charged membranes. <i>Journal of Membrane Science</i> , 2022 , 652, 120464	9.6	0
149	MoS ₂ @PDA thin-film nanocomposite nanofiltration membrane for simultaneously improved permeability and selectivity. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 107697	6.8	0
148	Photocatalytic self-cleaning EVAL membrane by incorporating bio-inspired functionalized MIL-101(Fe) for dye/salt separation. <i>Chemical Engineering Journal</i> , 2022 , 136507	14.7	1
147	A PEI/TMC membrane modified with an ionic liquid with enhanced permeability and antibacterial properties for the removal of heavy metal ions.. <i>Journal of Hazardous Materials</i> , 2022 , 435, 129010	12.8	0
146	Can the NF membrane directly obtained by the interfacial polymerization of MPD and TMC?. <i>Journal of Membrane Science</i> , 2022 , 120618	9.6	0
145	Second interfacial polymerization decorating defects of TFC NF membrane formed by 1D nanochannels for improving separation performance. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 10, 106896	6.8	0
144	Triethanolamine modification produces ultra-permeable nanofiltration membrane with enhanced removal efficiency of heavy metal ions. <i>Journal of Membrane Science</i> , 2021 , 644, 120127	9.6	0
143	Bifunctional Ag@Ni-MOF for high performance supercapacitor and glucose sensor. <i>Synthetic Metals</i> , 2021 , 282, 116931	3.6	2
142	Self-adhesive PMIA membranes with virus-like silica immobilized lipase for efficient biological aging of Chinese liquor. <i>Journal of Membrane Science</i> , 2021 , 621, 118990	9.6	1
141	Preparation and characterisation of graphene oxide-enhanced poly (m-phenylene isophthalamide) ultrafiltration membrane with excellent alkali resistance. <i>Polymer Testing</i> , 2021 , 95, 107128	4.5	0

140	Coupling heat curing and surface modification for the fabrication of high permselectivity polyamide nanofiltration membranes. <i>Journal of Membrane Science</i> , 2021 , 623, 119073	9.6	12
139	Thin-film liftoff assisted fabrication of amine-based PDMS TFC membrane for enhanced phenol recovery. <i>Journal of Membrane Science</i> , 2021 , 624, 119104	9.6	2
138	Sub10 μ m macroporous aramid substrates with a hierarchically structured interface for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2021 , 625, 119123	9.6	2
137	Numerical simulation of atomic layer deposition for thin deposit formation in a mesoporous substrate. <i>AIChE Journal</i> , 2021 , 67, e17305	3.6	1
136	Thin-film nanocomposite NF membrane with GO on macroporous hollow fiber ceramic substrate for efficient heavy metals removal. <i>Environmental Research</i> , 2021 , 197, 111040	7.9	15
135	Polyamide reverse osmosis membranes containing 1D nanochannels for enhanced water purification. <i>Journal of Membrane Science</i> , 2021 , 618, 118681	9.6	15
134	High efficient reduction of 4-nitrophenol and dye by filtration through Ag NPs coated PAN-Si catalytic membrane. <i>Chemosphere</i> , 2021 , 263, 127995	8.4	4
133	Thin-film composite membranes fabricated directly on a large-porous ceramic support using poly (4-styrenesulfonic acid) as a scaffold for ethanol dehydration. <i>Journal of Membrane Science</i> , 2021 , 619, 118775	9.6	10
132	Preparation and antifouling performance of thin inorganic ultrafiltration membrane via assisted sol-gel method with different composition of dual additives. <i>Ceramics International</i> , 2021 , 47, 2180-2186 ^{5.1}	5.1	4
131	Hybridly charged NF membranes with MOF incorporated for removing low-concentration surfactants. <i>Separation and Purification Technology</i> , 2021 , 258, 118069	8.3	4
130	Preparation of Laponite hydrogel in different shapes for selective dye adsorption and filtration separation. <i>Applied Clay Science</i> , 2021 , 201, 105936	5.2	13
129	Etching of cubic Pd@Pt in UiO-66 to obtain nanocages for enhancing CO ₂ hydrogenation. <i>Materials Today Energy</i> , 2021 , 19, 100585	7	5
128	Separation of anionic dye mixtures by Al-metal-organic framework filled polyacrylonitrile-ethanolamine membrane and its modified product. <i>Journal of Cleaner Production</i> , 2021 , 284, 124778	10.3	7
127	High-Flux Fine Hollow Fiber Nanofiltration Membranes for the Purification of Drinking Water. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 1817-1828	3.9	4
126	Carbon quantum dots doped thin-film nanocomposite (TFN) membrane on macroporous ceramic hollow fiber support via one-step interfacial polymerization. <i>Separation and Purification Technology</i> , 2021 , 266, 118572	8.3	2
125	Enhancing nanofiltration performance for antibiotics/NaCl separation via water activation before microwave heating. <i>Journal of Membrane Science</i> , 2021 , 629, 119285	9.6	5
124	Thin-Film Composite Membrane Prepared by Interfacial Polymerization on the Integrated ZIF-L Nanosheets Interface for Pervaporation Dehydration. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 39819-39830	9.5	2
123	Designing of a novel polyvinylidene fluoride/TiO ₂ /UiO-66-NH membrane with photocatalytic antifouling properties using modified zirconium-based metal-organic framework. <i>Water Science and Technology</i> , 2021 , 84, 2380-2393	2.2	

122	UIO66-membranized SAPO-34 Pt catalyst for enhanced carbon dioxide conversion efficiency. <i>Materials Today Energy</i> , 2021 , 21, 100781	7	5
121	Smart light responsive polypropylene membrane switching reversibly between hydrophobicity and hydrophilicity for oily water separation. <i>Journal of Membrane Science</i> , 2021 , 638, 119704	9.6	8
120	Construction of MoS ₂ hybrid membranes on ceramic hollow fibers for efficient dehydration of isopropanol solution via pervaporation. <i>Separation and Purification Technology</i> , 2021 , 277, 119452	8.3	3
119	Dually charged polyamide nanofiltration membranes fabricated by microwave-assisted grafting for heavy metals removal. <i>Journal of Membrane Science</i> , 2021 , 640, 119834	9.6	8
118	FeO/PVDF catalytic membrane treatment organic wastewater with simultaneously improved permeability, catalytic property and anti-fouling. <i>Environmental Research</i> , 2020 , 187, 109617	7.9	13
117	Novel high-flux positively charged composite membrane incorporating titanium-based MOFs for heavy metal removal. <i>Chemical Engineering Journal</i> , 2020 , 398, 125706	14.7	40
116	Ultraparpermeable Organic Solvent Nanofiltration Membranes with Precisely Tailored Support Layers Fabricated Using Thin-Film Liftoff. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 30796-30804	9.5	9
115	Three-channel capillary nanofiltration membrane with quaternary ammonium incorporated for efficient heavy metals removal. <i>Separation and Purification Technology</i> , 2020 , 248, 117133	8.3	18
114	Au@Pt Nanotubes within CoZn-Based Metal-Organic Framework for Highly Efficient Semi-hydrogenation of Acetylene. <i>IScience</i> , 2020 , 23, 101233	6.1	9
113	High efficient dye removal with hydrolyzed ethanolamine-Polyacrylonitrile UF membrane: Rejection of anionic dye and selective adsorption of cationic dye. <i>Chemosphere</i> , 2020 , 259, 127390	8.4	42
112	Nanostructured Graphene Oxide Composite Membranes with Ultraparpermeability and Mechanical Robustness. <i>Nano Letters</i> , 2020 , 20, 2209-2218	11.5	16
111	Structure and Properties of PSf Hollow Fiber Membranes with Different Molecular Weight Hyperbranched Polyester Using Pentaerythritol as Core. <i>Polymers</i> , 2020 , 12,	4.5	2
110	Flower-like ternary metal of Ni-Co-Mn hydroxide combined with carbon nanotube for supercapacitor. <i>Ionics</i> , 2020 , 26, 3609-3619	2.7	12
109	Superior nanofiltration membranes with gradient cross-linked selective layer fabricated via controlled hydrolysis. <i>Journal of Membrane Science</i> , 2020 , 604, 118067	9.6	27
108	Hydrophilic yolk-shell ZIF-8 modified polyamide thin-film nanocomposite membrane with improved permeability and selectivity. <i>Separation and Purification Technology</i> , 2020 , 247, 116990	8.3	24
107	Polyethyleneimine modified carbohydrate doped thin film composite nanofiltration membrane for purification of drinking water. <i>Journal of Membrane Science</i> , 2020 , 610, 118220	9.6	19
106	GWF-NH ₂ enhanced OSN membrane with trifluoromethyl groups in polyamide layer for rapid methanol recycling. <i>Separation and Purification Technology</i> , 2020 , 240, 116619	8.3	4
105	How to understand the effects of heat curing conditions on the morphology and performance of polypiperazine-amide NF membrane. <i>Journal of Membrane Science</i> , 2020 , 597, 117640	9.6	24

104	Fast surface crosslinking ceramic hollow fiber pervaporation composite membrane with outstanding separation performance for isopropanol dehydration. <i>Separation and Purification Technology</i> , 2020 , 234, 116116	8.3	5
103	High-flux, anti-fouling dendrimer grafted PAN membrane: Fabrication, performance and mechanisms. <i>Journal of Membrane Science</i> , 2020 , 596, 117743	9.6	17
102	Microwave heating assistant preparation of high permselectivity polypiperazine-amide nanofiltration membrane during the interfacial polymerization process with low monomer concentration. <i>Journal of Membrane Science</i> , 2020 , 596, 117718	9.6	32
101	Polyamide Membranes with Net-Like Nanostructures Induced by Different Charged MOFs for Elevated Nanofiltration. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 585-593	4.3	19
100	High-Performance Zwitterionic Nanofiltration Membranes Fabricated via Microwave-Assisted Grafting of Betaine. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 35523-35531	9.5	12
99	New insights into the interaction between surface-charged membranes and positively-charged draw solutes in the forward osmosis process. <i>Journal of Water Process Engineering</i> , 2020 , 37, 101439	6.7	1
98	RO membrane fabricated via a facile modified heat-treating strategy for high-flux desalination. <i>Journal of Membrane Science</i> , 2020 , 614, 118498	9.6	12
97	In-situ synthetic modified metal-organic framework (MZIF-8) as an interlayer of the composite membranes for ethanol dehydration. <i>Journal of Membrane Science</i> , 2020 , 601, 117916	9.6	18
96	Thin-film nanocomposite membranes containing tannic acid-Fe ³⁺ modified MoS ₂ nanosheets with enhanced nanofiltration performance. <i>Journal of Membrane Science</i> , 2020 , 616, 118605	9.6	25
95	Double-Crosslinked GO Interlayer Framework as a Pervaporation Hybrid Membrane with High Performance. <i>ACS Omega</i> , 2019 , 4, 15043-15050	3.9	7
94	High-performance polyamide/ceramic hollow fiber TFC membranes with TiO ₂ interlayer for pervaporation dehydration of isopropanol solution. <i>Journal of Membrane Science</i> , 2019 , 576, 26-35	9.6	34
93	ETA-m-PAN and its Composite Membrane with High Performance Prepared by In Situ Modification/NIPS Principle. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1800745	3.9	5
92	Ag NPs coated PVDF@TiO ₂ nanofiber membrane prepared by epitaxial growth on TiO ₂ inter-layer for 4-NP reduction application. <i>Separation and Purification Technology</i> , 2019 , 227, 115700	8.3	23
91	Novel thin-film nanocomposite membrane with water-soluble polyhydroxylated fullerene for the separation of Mg ²⁺ /Li ⁺ aqueous solution. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 48029	2.9	17
90	Preparation of carbon nanofiber with multilevel gradient porous structure for supercapacitor and CO ₂ adsorption. <i>Chemical Engineering Science</i> , 2019 , 205, 181-189	4.4	23
89	A Facile Way to Prepare Hydrophilic Homogeneous PES Hollow Fiber Membrane via Non-Solvent Assisted Reverse Thermally Induced Phase Separation (RTIPS) Method. <i>Polymers</i> , 2019 , 11,	4.5	3
88	Super-wetting, photoactive TiO ₂ coating on amino-silane modified PAN nanofiber membranes for high efficient oil-water emulsion separation application. <i>Journal of Membrane Science</i> , 2019 , 580, 40-48	9.6	63
87	Three-channel stainless steel hollow fiber membrane with inner layer modified by nano-TiO ₂ coating method for the separation of oil-in-water emulsions. <i>Separation and Purification Technology</i> , 2019 , 222, 75-84	8.3	12

86	Construction of MoS ₂ composite membranes on ceramic hollow fibers for efficient water desalination. <i>Journal of Membrane Science</i> , 2019 , 592, 117369	9.6	16
85	Porous carbonaceous composite derived from Mg(OH) ₂ pre-filled PAN based membrane for supercapacitor and dye adsorption application. <i>Journal of Solid State Chemistry</i> , 2019 , 277, 493-501	3.3	10
84	High permselectivity thin-film composite nanofiltration membranes with 3D microstructure fabricated by incorporation of beta cyclodextrin. <i>Separation and Purification Technology</i> , 2019 , 227, 115718	8.3	20
83	Novel designed TFC membrane based on host-guest interaction for organic solvent nanofiltration (OSN). <i>Journal of Membrane Science</i> , 2019 , 588, 117227	9.6	16
82	Preparation of Carbonized MOF/MgCl ₂ Hybrid Products as Dye Adsorbent and Supercapacitor: Morphology Evolution and Mg Salt Effect. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 1601-1612	3.9	14
81	Tuning roughness features of thin film composite polyamide membranes for simultaneously enhanced permeability, selectivity and anti-fouling performance. <i>Journal of Colloid and Interface Science</i> , 2019 , 540, 382-388	9.3	75
80	High-flux NaA zeolite pervaporation membranes dynamically synthesized on the alumina hollow fiber inner-surface in a continuous flow system. <i>Journal of Membrane Science</i> , 2019 , 570-571, 445-454	9.6	17
79	Carbon nanotubes enhance permeability of ultrathin polyamide rejection layers. <i>Journal of Membrane Science</i> , 2019 , 570-571, 139-145	9.6	41
78	A polyethersulfone-bisphenol sulfuric acid hollow fiber ultrafiltration membrane fabricated by a reverse thermally induced phase separation process.. <i>RSC Advances</i> , 2018 , 8, 7800-7809	3.7	5
77	Surface Modification of Polyacrylonitrile Membrane by Chemical Reaction and Physical Coating: Comparison between Static and Pore-Flowing Procedures. <i>ACS Omega</i> , 2018 , 3, 4231-4241	3.9	24
76	Multilayer assembled CS-PSS/ceramic hollow fiber membranes for pervaporation dehydration. <i>Separation and Purification Technology</i> , 2018 , 203, 84-92	8.3	34
75	Estimation of phase separation temperatures for polyethersulfone/solvent/non-solvent systems in RTIPS and membrane properties. <i>Journal of Membrane Science</i> , 2018 , 556, 329-341	9.6	13
74	Monodisperse Metal-Organic Framework Nanospheres with Encapsulated Core-Shell Nanoparticles Pt/Au@Pd@{Co(oba)(3-bpdh)} ₄ HO for the Highly Selective Conversion of CO to CO. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 15096-15103	9.5	32
73	Nanofoaming of Polyamide Desalination Membranes To Tune Permeability and Selectivity. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 123-130	11	148
72	Interfacial Polymerization with Electrosprayed Microdroplets: Toward Controllable and Ultrathin Polyamide Membranes. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 117-122	11	75
71	Preparation and characterization of PES/CA microporous membranes via reverse thermally induced phase separation process. <i>Polymer Engineering and Science</i> , 2018 , 58, 180-191	2.3	10
70	Excellent anti-fouling performance of PVDF polymeric membrane modified by enhanced CaA gel-layer. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 58, 179-188	6.3	12
69	Chlorine resistant TFN nanofiltration membrane incorporated with octadecylamine-grafted GO and fluorine-containing monomer. <i>Journal of Membrane Science</i> , 2018 , 545, 185-195	9.6	75

68	Enhanced pervaporation performance of SA-PFSA/ceramic hybrid membranes for ethanol dehydration. <i>Separation and Purification Technology</i> , 2018 , 206, 218-225	8.3	15
67	Novel chitosan-piperazine composite nanofiltration membranes for the desalination of brackish water and seawater. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	25
66	Novel high-flux polyamide/TiO ₂ composite nanofiltration membranes on ceramic hollow fibre substrates. <i>Journal of Membrane Science</i> , 2018 , 565, 322-330	9.6	31
65	A Monodispersed Spherical Zr-Based Metal-Organic Framework Catalyst, Pt/Au@Pd@UIO-66, Comprising an Au@Pd Core-Shell Encapsulated in a UIO-66 Center and Its Highly Selective CO Hydrogenation to Produce CO. <i>Small</i> , 2018 , 14, 1702812	11	47
64	A novel TFC forward osmosis (FO) membrane supported by polyimide (PI) microporous nanofiber membrane. <i>Applied Surface Science</i> , 2018 , 427, 1-9	6.7	37
63	Superoleophobicity: Superoleophobic Slippery Lubricant-Infused Surfaces: Combining Two Extremes in the Same Surface (Adv. Mater. 45/2018). <i>Advanced Materials</i> , 2018 , 30, 1870338	24	5
62	Effects of organic acids on the performance of cellulose triacetate forward osmosis membrane. <i>Polymer Engineering and Science</i> , 2018 , 59, E138	2.3	
61	Novel ECD@ZIF-8 Nanoparticles-Doped Poly(-phenylene isophthalamide) (PMIA) Thin-Film Nanocomposite (TFN) Membrane for Organic Solvent Nanofiltration (OSN). <i>ACS Omega</i> , 2018 , 3, 11770-11787	3.9	25
60	Impact of Cross-Linked Chitosan Sublayer Structure on the Performance of TFC FO PAN Nanofiber Membranes. <i>ACS Omega</i> , 2018 , 3, 13009-13019	3.9	8
59	Three-channel capillary NF membrane with PAMAM-MWCNT-embedded inner polyamide skin layer for heavy metals removal.. <i>RSC Advances</i> , 2018 , 8, 29455-29463	3.7	24
58	Superoleophobic Slippery Lubricant-Infused Surfaces: Combining Two Extremes in the Same Surface. <i>Advanced Materials</i> , 2018 , 30, e1803890	24	71
57	A novel PES-TiO ₂ hollow fiber hybrid membrane prepared via sol-gel process assisted reverse thermally induced phase separation (RTIPS) method. <i>Journal of Membrane Science</i> , 2017 , 528, 303-315	9.6	31
56	Bio-inspired GO-Ag/PVDF/F127 membrane with improved anti-fouling for natural organic matter (NOM) resistance. <i>Chemical Engineering Journal</i> , 2017 , 313, 450-460	14.7	38
55	Morphology, Surface Layer Evolution, and StructureDye Adsorption Relationship of Porous Fe ₃ O ₄ MNPs Prepared by Solvothermal/Gas Generation Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 2339-2349	8.3	19
54	Interforce initiated by magnetic nanoparticles for reducing internal concentration polarization in CTA forward osmosis membrane. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	10
53	Monodispersed gold nanoparticles supported on a zirconium-based porous metal-organic framework and their high catalytic ability for the reverse water-gas shift reaction. <i>Chemical Communications</i> , 2017 , 53, 7953-7956	5.8	42
52	Preparation and characterization of a PFSA/PVDF blend nanofiber membrane and its preliminary application investigation. <i>New Journal of Chemistry</i> , 2017 , 41, 7544-7552	3.6	12
51	Improving the chlorine-tolerant ability of polypiperazine-amide nanofiltration membrane by adding NH ₂ -PEG-NH ₂ in the aqueous phase. <i>Journal of Membrane Science</i> , 2017 , 538, 9-17	9.6	32

50	Effect of cellulose triacetate membrane thickness on forward-osmosis performance and application for spent electroless nickel plating baths. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 4504-4509	2.9	12
49	Highly chlorine-tolerant performance of three-channel capillary nanofiltration membrane with inner skin layer. <i>Journal of Membrane Science</i> , 2017 , 527, 111-120	9.6	22
48	Facile Fabrication and Application of Superhydrophilic Stainless Steel Hollow Fiber Microfiltration Membranes. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 10283-10289	8.3	13
47	Morphological controlling of CTA forward osmosis membrane using different solvent-nonsolvent compositions in first coagulation bath. <i>Journal of Polymer Research</i> , 2017 , 24, 1	2.7	9
46	Positively charged capillary nanofiltration membrane with high rejection for Mg ²⁺ and Ca ²⁺ and good separation for Mg ²⁺ and Li ⁺ . <i>Desalination</i> , 2017 , 420, 158-166	10.3	101
45	Tailoring the polyester/polyamide backbone stiffness for the fabrication of high performance nanofiltration membrane. <i>Journal of Membrane Science</i> , 2017 , 541, 483-491	9.6	28
44	Study on the Electrospinnability of Polyvinyl Alcohol Solutions by Using Water/N, N-dimethylacetamide or Water/N, N-dimethylformamide as Solvents. <i>Journal of Macromolecular Science - Physics</i> , 2017 , 56, 682-696	1.4	2
43	A facile preparation of novel positively charged MOF/chitosan nanofiltration membranes. <i>Journal of Membrane Science</i> , 2017 , 525, 269-276	9.6	105
42	Antifouling sulfonated polyamide nanofiltration hollow fiber membrane prepared with mixed diamine monomers of BDSA and PIP. <i>RSC Advances</i> , 2017 , 7, 56629-56637	3.7	21
41	Fabrication, characterization and separation properties of three-channel stainless steel hollow fiber membrane. <i>Journal of Membrane Science</i> , 2016 , 515, 144-153	9.6	21
40	Tailoring the morphologies of PVDF nanofibers by interfacial diffusion during coaxial electrospinning. <i>Materials and Design</i> , 2016 , 109, 264-269	8.1	19
39	Polypiperazine-amide Nanofiltration Membrane Modified by Different Functionalized Multiwalled Carbon Nanotubes (MWCNTs). <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19135-44	9.5	189
38	Novel Swelling-Resistant Sodium Alginate Membrane Branching Modified by Glycogen for Highly Aqueous Ethanol Solution Pervaporation. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27243-27253	9.5	37
37	Preparation of MFI zeolite membranes on coarse macropore stainless steel hollow fibers for the recovery of bioalcohols. <i>RSC Advances</i> , 2016 , 6, 109936-109944	3.7	11
36	Structure and property of PFSA/PES porous catalytic nanofibers. <i>Catalysis Today</i> , 2016 , 276, 133-138	5.3	5
35	Formation of microporous polymeric membranes via thermally induced phase separation: A review. <i>Frontiers of Chemical Science and Engineering</i> , 2016 , 10, 57-75	4.5	32
34	Modification of porous stainless steel hollow fibers by adding TiO ₂ , ZrO ₂ and SiO ₂ nano-particles. <i>Journal of Porous Materials</i> , 2016 , 23, 773-782	2.4	7
33	A chlorine-tolerant nanofiltration membrane prepared by the mixed diamine monomers of PIP and BHTM. <i>Journal of Membrane Science</i> , 2016 , 498, 374-384	9.6	75

32	A self-cleaning TiO ₂ coated mesh with robust underwater superoleophobicity for oil/water separation in a complex environment. <i>RSC Advances</i> , 2016 , 6, 65171-65178	3.7	20
31	Interfacial polymerization on PES hollow fiber membranes using mixed diamines for nanofiltration removal of salts containing oxyanions and ferric ions. <i>Desalination</i> , 2016 , 394, 176-184	10.3	53
30	Novel high-flux thin film composite nanofiltration membranes fabricated by the NaClO pre-oxidation of the mixed diamine monomers of PIP and BHTM in the aqueous phase solution. <i>Journal of Membrane Science</i> , 2016 , 502, 106-115	9.6	43
29	A PVDF/PVB composite UF membrane improved by F-127-wrapped fullerene for protein waste-water separation. <i>RSC Advances</i> , 2016 , 6, 83510-83519	3.7	11
28	A Novel Seeding Method of Interfacial Polymerization-Assisted Dip Coating for the Preparation of Zeolite NaA Membranes on Ceramic Hollow Fiber Supports. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 25386-95	9.5	30
27	Modification of polysulfone hollow fiber ultrafiltration membranes using hyperbranched polyesters with different molecular weights. <i>Polymers for Advanced Technologies</i> , 2015 , 26, 353-361	3.2	12
26	PSF hollow fiber membrane fabricated from PSf/PIBPEEG400/DMAc dope solutions via reverse thermally induced phase separation (RTIPS) process. <i>Chemical Engineering Science</i> , 2015 , 137, 131-139	4.4	28
25	Fabrication and characterization of PVDF hollow fiber membranes employing in-situ self-assembly modulation concept. <i>Journal of Membrane Science</i> , 2015 , 486, 119-131	9.6	11
24	FAS Grafted Electrospun Poly(vinyl alcohol) Nanofiber Membranes with Robust Superhydrophobicity for Membrane Distillation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22652-9	9.5	77
23	Preparation of PAN/PAMAM blend nanofiber mats as efficient adsorbent for dye removal. <i>Fibers and Polymers</i> , 2015 , 16, 1917-1924	2	20
22	Poly(styrene sulfonic acid) sodium modified nanofiltration membranes with improved permeability for the softening of highly concentrated seawater. <i>Desalination</i> , 2014 , 336, 179-186	10.3	26
21	Effect of polymer and additive on the structure and property of porous stainless steel hollow fiber. <i>Korean Journal of Chemical Engineering</i> , 2014 , 31, 1438-1443	2.8	6
20	Preparation and characterization of PSf hollow fiber membrane from PSf/PIBPEEG400/NMP dope solution. <i>Journal of Membrane Science</i> , 2014 , 454, 184-192	9.6	20
19	Influence of residence time on performances of PVDF membranes prepared via free radical polymerization. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	1
18	Process optimization and modeling of membrane reactor using self-sufficient catalysis and separation of difunctional ceramic composite membrane to produce methyl laurate. <i>Separation and Purification Technology</i> , 2014 , 132, 370-377	8.3	13
17	Effects of nucleating agents on the morphologies and performances of poly(vinylidene fluoride) microporous membranes via thermally induced phase separation. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 836-844	2.9	16
16	Preparation and characterization of polyethersulfone microporous membrane via thermally induced phase separation with low critical solution temperature system. <i>Journal of Membrane Science</i> , 2013 , 437, 169-178	9.6	60
15	Polypiperazine-amide nanofiltration membrane containing silica nanoparticles prepared by interfacial polymerization. <i>Desalination</i> , 2012 , 301, 75-81	10.3	122

14	Laminar mesoporous structure of modified montmorillonite clays and its formation mechanism. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012 , 27, 321-327	1	2
13	On the Effect of Modifications to Montmorillonite for the Desulphurization of Synthetic Gasoline. <i>Adsorption Science and Technology</i> , 2011 , 29, 197-210	3.6	3
12	Pore structure analysis of PFSA/SiO ₂ composite catalysts from nitrogen adsorption isotherms. <i>Science China Chemistry</i> , 2011 , 54, 257-262	7.9	21
11	Characterization, separation performance, and model analysis of STPP-chitosan/PAN polyelectrolyte complex membranes. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 1017-1026	2.9	12
10	Preparation, characterization and permeation property of Al ₂ O ₃ , Al ₂ O ₃ /SiO ₂ and Al ₂ O ₃ /kaolin hollow fiber membranes. <i>Journal of Membrane Science</i> , 2011 , 372, 154-164	9.6	73
9	Preparation of PFSA/PSf hollow fiber composite membranes with recovered PFSA for the pervaporation separation of EtOH/H ₂ O. <i>Science China Chemistry</i> , 2010 , 53, 273-280	7.9	4
8	Preparation and characterization of PFSA/PVA/SiO ₂ /PVA/PAN difunctional hollow fiber composite membranes. <i>Journal of Membrane Science</i> , 2010 , 360, 315-322	9.6	45
7	Effect of TiO ₂ nanoparticles on the surface morphology and performance of microporous PES membrane. <i>Applied Surface Science</i> , 2009 , 255, 4725-4732	6.7	476
6	Electrokinetic and permeation characterization of hydrolyzed polyacrylonitrile (PAN) hollow fiber ultrafiltration membrane. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 683-689		20
5	Characterization of PVDF/PFSA hollow fiber UF blend membrane with low-molecular weight cut-off. <i>Separation and Purification Technology</i> , 2009 , 69, 141-148	8.3	31
4	Preparation and characterization of PVDF/PFSA blend hollow fiber UF membrane. <i>Journal of Membrane Science</i> , 2007 , 288, 123-131	9.6	137
3	Effect of polyethylene glycol molecular weights and concentrations on polyethersulfone hollow fiber ultrafiltration membranes. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 3398-3407	2.9	58
2	Novel Insight on the Effect of the Monomer Concentration on the Polypiperazine-Amide Nanofiltration Membrane. <i>Industrial & Engineering Chemistry Research</i> ,	3.9	1
1	Converting CO ₂ Hydrogenation Products from Paraffins to Olefins: Modification of Zeolite Surface Properties by a UIO-n Membrane. <i>ACS Catalysis</i> , 5894-5902	13.1	1