

# Quan-Fu An

## List of Publications by Year in descending order

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197  
papers

9,668  
citations

44444

50  
h-index

56606

87  
g-index

197  
all docs

197  
docs citations

197  
times ranked

8063  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailor-made microstructures lead to high-performance robust PEO membrane for CO <sub>2</sub> capture via green fabrication technique. <i>Green Energy and Environment</i> , 2023, 8, 1389-1397.	4.7	14
2	Facile preparation of Porous aromatic frameworks PAF-56 membranes for nanofiltration of dyes solutions. <i>Separation and Purification Technology</i> , 2022, 280, 119845.	3.9	7
3	In situ growth of covalent triazine frameworks membrane on alumina substrate for dye/salt separation. <i>Separation and Purification Technology</i> , 2022, 280, 119930.	3.9	11
4	Development of high-performance and robust membrane via "hard-crosslinking-soft"™ technique for dehydration of acetic acid. <i>Journal of Membrane Science</i> , 2022, 643, 120033.	4.1	10
5	Intensification of mass transfer for zwitterionic amine monomers in interfacial polymerization to fabricate monovalent salt/antibiotics separation membrane. <i>Journal of Membrane Science</i> , 2022, 643, 120050.	4.1	26
6	Tailoring of polysulfate/polyvinylpyrrolidone membrane structure via NIPS coupled physical aging technique for high-performance dye/salt separation. <i>Separation and Purification Technology</i> , 2022, 283, 120163.	3.9	15
7	Fabrication of MOF derivatives composite membrane via in-situ sulfurization for dye/salt separation. <i>Journal of Membrane Science</i> , 2022, 645, 120211.	4.1	25
8	POSS-graphene oxide nanocomposite membranes for ethanol permselective pervaporation. <i>Microporous and Mesoporous Materials</i> , 2022, 331, 111635.	2.2	17
9	Recent developments in polymeric nano-based separation membranes. <i>Fundamental Research</i> , 2022, 2, 254-267.	1.6	16
10	Liquid-liquid interface induced PDMS-PTFE composite membrane for ethanol permselective pervaporation. <i>AIChE Journal</i> , 2022, 68, .	1.8	9
11	Two-step hierarchical crosslinking to construct acid-resistance membrane for pervaporation dehydration of artificial esterification reaction. <i>Journal of Membrane Science</i> , 2022, 649, 120396.	4.1	6
12	Build up "highway"™ in membrane via solvothermal annealing for high-efficient CO <sub>2</sub> capture. <i>Journal of Membrane Science</i> , 2022, 652, 120444.	4.1	9
13	CNTs Intercalated LDH Composite Membrane for Water Purification with High Permeance. <i>Nanomaterials</i> , 2022, 12, 59.	1.9	10
14	Fabrication of stable polyelectrolyte complexed membrane for dye/salt separation via dynamic self-assembly coupled ice-templating technique. <i>Desalination</i> , 2022, 535, 115803.	4.0	6
15	Development of SERS tags for human diseases screening and detection. <i>Coordination Chemistry Reviews</i> , 2022, 470, 214711.	9.5	22
16	Counterion exchanged hydrophobic polyelectrolyte multilayer membrane for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2021, 620, 118827.	4.1	18
17	Graphene oxide membranes with stable porous structure for ultrafast water transport. <i>Nature Nanotechnology</i> , 2021, 16, 337-343.	15.6	301
18	<i>In situ</i> growth of a tubular MoS <sub>2</sub> membrane on a ceramic tube with improved organic solvent nanofiltration performance. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3184-3191.	3.2	7

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19	“Mix-Then-On-Demand-Complex” In Situ Cascade Anionization and Complexation of Graphene Oxide for High-Performance Nanofiltration Membranes. ACS Nano, 2021, 15, 4440-4449.	7.3	26
20	In-situ growth of graphene quantum dots modified MoS <sub>2</sub> membrane on tubular ceramic substrate with high permeability for both water and organic solvent. Journal of Membrane Science, 2021, 627, 119247.	4.1	12
21	Tailoring the asymmetric structure of polyamide reverse osmosis membrane with self-assembled aromatic nanoparticles for high-efficient removal of organic micropollutants. Chemical Engineering Journal, 2021, 416, 129080.	6.6	35
22	Green Techniques for Rapid Fabrication of Unprecedentedly High-Performance PEO Membranes for CO <sub>2</sub> Capture. ACS Sustainable Chemistry and Engineering, 2021, 9, 10167-10175.	3.2	20
23	Low-voltage driven flexible organic thin-film transistor humidity sensors. Sensors and Actuators B: Chemical, 2021, 339, 129887.	4.0	24
24	Freezing assisted in situ growth of nano-confined ZIF-8 composite membrane for dye removal from water. Journal of Membrane Science, 2021, 632, 119352.	4.1	17
25	Superfast Water Transport Zwitterionic Polymeric Nanofluidic Membrane Reinforced by Metal-Organic Frameworks. Advanced Materials, 2021, 33, e2102292.	11.1	64
26	Impact of crosslinking on organic solvent nanofiltration performance in polydimethylsiloxane composite membrane: Probed by in-situ low-field nuclear magnetic resonance spectroscopy. Journal of Membrane Science, 2021, 633, 119382.	4.1	10
27	Constructing a selective blocked-nanolayer on nanofiltration membrane via surface-charge inversion for promoting Li <sup>+</sup> permselectivity over Mg <sup>2+</sup> . Journal of Membrane Science, 2021, 635, 119504.	4.1	88
28	Ice-crystal templating approach for tailoring mass transfer channels in graphene oxide membranes for high-performance dye/salt separation. Carbon, 2021, 183, 119-127.	5.4	22
29	Chlorine-resistant positively charged polyamide nanofiltration membranes for heavy metal ions removal. Separation and Purification Technology, 2021, 275, 119264.	3.9	29
30	Ultralow Ti <sub>3</sub> C <sub>2</sub> TX doping polysulfate membrane for high ultrafiltration performance. Journal of Membrane Science, 2021, 637, 119603.	4.1	15
31	Acid-Resistance and Self-Repairing Supramolecular Nanoparticle Membranes via Hydrogen Bonding for Sustainable Molecules Separation. Advanced Science, 2021, 8, e2102594.	5.6	30
32	A review of nano-confined composite membranes fabricated inside the porous support. , 2021, 1, 100005.		10
33	High-flux zwitterionic nanofiltration membrane constructed by in-situ introduction method for monovalent salt/antibiotics separation. Journal of Membrane Science, 2020, 593, 117441.	4.1	110
34	Development of antifouling nanofiltration membrane with zwitterionic functionalized monomer for efficient dye/salt selective separation. Journal of Membrane Science, 2020, 601, 117795.	4.1	138
35	Covalent organic frameworks hybrid membrane with optimized mass transport nanochannel for aromatic/aliphatic mixture pervaporation. Journal of Membrane Science, 2020, 598, 117652.	4.1	33
36	Recovery of bio-butanol from aqueous solution with ZIF-8 modified graphene oxide composite membrane. Journal of Membrane Science, 2020, 598, 117671.	4.1	20

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37	Nano-confinement-inspired metal organic framework/polymer composite separation membranes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17212-17218.	5.2	18
38	The fine-structure characteristics and isopropanol/water dehydration through pervaporation composite membranes improved with graphene quantum dots. <i>Separation and Purification Technology</i> , 2020, 247, 116956.	3.9	15
39	Development of high-performance polyelectrolyte-complex-nanoparticle-based pervaporation membranes via convenient tailoring of charged groups. <i>Journal of Materials Science</i> , 2020, 55, 12607-12620.	1.7	14
40	Electrical Tunable PVDF/Graphene Membrane for Controlled Molecule Separation. <i>Chemistry of Materials</i> , 2020, 32, 5750-5758.	3.2	39
41	Vacuum-assisted assembly of iron cage intercalated layered double hydroxide composite membrane for water purification. <i>Journal of Membrane Science</i> , 2020, 603, 118032.	4.1	14
42	TiO <sub>2</sub> -incorporated polyelectrolyte composite membrane with transformable hydrophilicity/hydrophobicity for nanofiltration separation. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 2533-2541.	1.7	5
43	Enhanced permeance for PDMS organic solvent nanofiltration membranes using modified mesoporous silica nanoparticles. <i>Journal of Membrane Science</i> , 2020, 612, 118257.	4.1	39
44	A comprehensive study on phase inversion behavior of a novel polysulfate membrane for high-performance ultrafiltration applications. <i>Journal of Membrane Science</i> , 2020, 610, 118404.	4.1	29
45	Calcination of layered double hydroxide membrane with enhanced nanofiltration performance. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 89, 368-374.	2.9	11
46	Phosphonium Modification Leads to Ultrapervaporation Antibacterial Polyamide Composite Membranes with Unreduced Thickness. <i>Advanced Materials</i> , 2020, 32, e2001383.	11.1	150
47	Hollow Polyhedron-Modified Graphene Oxide Membranes for Organic Solvent Nanofiltration with Enhanced Permeance. <i>ACS Applied Nano Materials</i> , 2020, 3, 5874-5880.	2.4	19
48	3D re-crosslinking of an acid-resistant layer on NaA tubular membrane for application in acidic feed. <i>Journal of Membrane Science</i> , 2019, 589, 117259.	4.1	7
49	Efficient bio-ethanol recovery by non-contact vapor permeation process using membranes with tailored pore size and hydrophobicity. <i>Chemical Engineering Science</i> , 2019, 207, 448-455.	1.9	11
50	Counterion-Switched Reversibly Hydrophilic and Hydrophobic TiO <sub>2</sub> -Incorporated Layer-by-Layer Self-Assembled Membrane for Nanofiltration. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900481.	1.7	4
51	Nano-array assisted metal-organic polyhedra membranes for the pervaporation of aromatic/aliphatic mixtures. <i>Journal of Membrane Science</i> , 2019, 575, 1-8.	4.1	18
52	Microstructural characterization and evaluation of pervaporation performance of thin-film composite membranes fabricated through interfacial polymerization on hydrolyzed polyacrylonitrile substrate. <i>Journal of Membrane Science</i> , 2019, 583, 31-39.	4.1	39
53	Construction of nonfouling nanofiltration membrane via introducing uniformly tunable zwitterionic layer. <i>Journal of Membrane Science</i> , 2019, 583, 152-162.	4.1	68
54	One-Step Surface Grafting Method for Preparing Zwitterionic Nanofiltration Membrane via In Situ Introduction of Initiator in Interfacial Polymerization. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1022-1033.	2.0	34

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55	Construction of well-arranged graphene oxide/polyelectrolyte complex nanoparticles membranes for pervaporation ethylene glycol dehydration. <i>Journal of Membrane Science</i> , 2019, 577, 104-112.	4.1	27
56	Fabrication of PVDF hollow fiber membranes via integrated phase separation for membrane distillation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 95, 487-494.	2.7	38
57	PDMS/ZIF-8 coating polymeric hollow fiber substrate for alcohol permselective pervaporation membranes. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 2376-2382.	1.7	14
58	Facial build-up of acid-resistance skin for high-stability zeolite NaA membrane. <i>Journal of Membrane Science</i> , 2019, 573, 55-63.	4.1	12
59	Nanofiltration membranes consisting of quaternized polyelectrolyte complex nanoparticles for heavy metal removal. <i>Chemical Engineering Journal</i> , 2019, 359, 994-1005.	6.6	112
60	Mussel-inspired zwitterionic dopamine nanoparticles as building blocks for constructing salt selective nanocomposite membranes. <i>Journal of Membrane Science</i> , 2019, 572, 140-151.	4.1	68
61	Influence of integrating graphene oxide quantum dots on the fine structure characterization and alcohol dehydration performance of pervaporation composite membrane. <i>Journal of Membrane Science</i> , 2019, 576, 36-47.	4.1	43
62	Pervaporation dehydration of fusel oil with sulfated polyelectrolyte complex hollow fiber membrane. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 95, 627-634.	2.7	9
63	The potential of pervaporation for biofuel recovery from fermentation: An energy consumption point of view. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 1296-1306.	1.7	31
64	Bio-inspired deposition of polydopamine on PVDF followed by interfacial cross-linking with trimesoyl chloride as means of preparing composite membranes for isopropanol dehydration. <i>Journal of Membrane Science</i> , 2018, 557, 58-66.	4.1	45
65	MoS <sub>2</sub> /polyelectrolytes hybrid nanofiltration (NF) membranes with enhanced permselectivity. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 84, 196-202.	2.7	31
66	Enhanced pH and oxidant resistance of polyelectrolyte multilayers via the confinement effect of lamellar graphene oxide nanosheets. <i>Separation and Purification Technology</i> , 2018, 193, 274-282.	3.9	14
67	Facile fabrication of mixed matrix membranes from simultaneously polymerized hyperbranched polymer/modified graphene oxide for MTBE/MeOH separation. <i>Journal of Membrane Science</i> , 2018, 559, 8-18.	4.1	33
68	Superhydrophilic nanofiltration membrane with antifouling property through in-situ mineralization of Ce <sub>2</sub> (CO <sub>3</sub> ) <sub>3</sub> nanoparticles. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 88, 70-77.	2.7	13
69	Vacuum-assisted assembly of ZIF-8@GO composite membranes on ceramic tube with enhanced organic solvent nanofiltration performance. <i>Journal of Membrane Science</i> , 2018, 545, 158-166.	4.1	123
70	Polyelectrolyte complexes/silica hybrid hollow fiber membrane for fusel oils pervaporation dehydration processes. <i>Journal of Membrane Science</i> , 2018, 545, 284-291.	4.1	11
71	Preparation of acid-resistant PEI/SA composite membranes for the pervaporation dehydration of ethanol at low pH. <i>Separation and Purification Technology</i> , 2018, 192, 205-212.	3.9	38
72	Enhanced butanol selectivity of pervaporation membrane with fluorinated monolayer on polydimethylsiloxane surface. <i>Journal of Membrane Science</i> , 2018, 548, 215-222.	4.1	52

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73	Microstructure and performance of zwitterionic polymeric nanoparticle/polyamide thin-film nanocomposite membranes for salts/organics separation. <i>Journal of Membrane Science</i> , 2018, 548, 559-571.	4.1	109
74	Nanostructured polyelectrolyte-surfactant complex pervaporation membranes for ethanol recovery: the relationship between the membrane structure and separation performance. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 25-33.	2.0	6
75	Self-assembled soft nanoparticle membranes with programmed free volume hierarchy. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22925-22930.	5.2	21
76	A vertically channeled lamellar membrane for molecular sieving of water from organic solvents. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18095-18102.	5.2	18
77	Zwitterions functionalized multi-walled carbon nanotubes/polyamide hybrid nanofiltration membranes for monovalent/divalent salts separation. <i>Separation and Purification Technology</i> , 2018, 206, 59-68.	3.9	69
78	Tuning molecular sieving channels of layered double hydroxides membrane with direct intercalation of amino acids. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17148-17155.	5.2	38
79	Recent development of fiber-optic chemical sensors and biosensors: Mechanisms, materials, micro/nano-fabrications and applications. <i>Coordination Chemistry Reviews</i> , 2018, 376, 348-392.	9.5	179
80	Polyelectrolyte nanoparticles based thin-film nanocomposite (TFN) membranes for amino acids separation. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 66, 209-220.	2.9	25
81	Synergistic effects of CNT and GO on enhancing mechanical properties and separation performance of polyelectrolyte complex membranes. <i>Materials and Design</i> , 2017, 119, 38-46.	3.3	55
82	Fabrication of hydrothermally reduced graphene oxide/chitosan composite membranes with a lamellar structure on methanol dehydration. <i>Carbon</i> , 2017, 117, 112-119.	5.4	69
83	Fabrication of antifouling reverse osmosis membranes by incorporating zwitterionic colloids nanoparticles for brackish water desalination. <i>Desalination</i> , 2017, 416, 35-44.	4.0	44
84	Recent developments in nanofiltration membranes based on nanomaterials. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 1639-1652.	1.7	129
85	Effect of free volume and formation mechanisms of polyamide layers on nanofiltration membrane. <i>Separation and Purification Technology</i> , 2017, 187, 443-452.	3.9	20
86	Pervaporation dehydration of acetic acid using NH <sub>2</sub> -UiO-66/PEI mixed matrix membranes. <i>Separation and Purification Technology</i> , 2017, 186, 20-27.	3.9	52
87	Tunable interlayer spacing of composite graphene oxide-framework membrane for acetic acid dehydration. <i>Carbon</i> , 2017, 123, 660-667.	5.4	67
88	High permeance nanofiltration thin film composites with a polyelectrolyte complex top layer containing graphene oxide nanosheets. <i>Journal of Membrane Science</i> , 2017, 540, 391-400.	4.1	31
89	Constructing zwitterionic surface of nanofiltration membrane for high flux and antifouling performance. <i>Journal of Membrane Science</i> , 2017, 541, 29-38.	4.1	117
90	Sulfated polyelectrolyte complex nanoparticles structured nanofiltration membrane for dye desalination. <i>Chemical Engineering Journal</i> , 2017, 307, 526-536.	6.6	141

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91	Correlating PSf Support Physicochemical Properties with the Formation of Piperazine-Based Polyamide and Evaluating the Resultant Nanofiltration Membrane Performance. <i>Polymers</i> , 2017, 9, 505.	2.0	40
92	Recent Advances in the Fabrication of Membranes Containing $\alpha$ -cyclon Pairs for Nanofiltration Processes. <i>Polymers</i> , 2017, 9, 715.	2.0	34
93	The states of sulfate groups affect the mechanical and separation properties of carboxymethyl cellulose/chitosan complex membranes. <i>RSC Advances</i> , 2016, 6, 26352-26360.	1.7	9
94	Non-destructive means of probing a composite polyamide membrane for characteristic free volume, void, and chemical composition. <i>RSC Advances</i> , 2016, 6, 85019-85025.	1.7	8
95	Characterization of a Thermoresponsive Chitosan Derivative as a Potential Draw Solute for Forward Osmosis. <i>Environmental Science &amp; Technology</i> , 2016, 50, 11935-11942.	4.6	24
96	pH-responsive nanofiltration membranes containing carboxybetaine with tunable ion selectivity for charge-based separations. <i>Journal of Membrane Science</i> , 2016, 520, 294-302.	4.1	40
97	High-Flux Positively Charged Nanocomposite Nanofiltration Membranes Filled with Poly(dopamine) Modified Multiwall Carbon Nanotubes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 6693-6700.	4.0	310
98	Bio-inspired fabrication of high perm-selectivity and anti-fouling membranes based on zwitterionic polyelectrolyte nanoparticles. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4224-4231.	5.2	119
99	Superhydrophilic and antibacterial zwitterionic polyamide nanofiltration membranes for antibiotics separation. <i>Journal of Membrane Science</i> , 2016, 510, 122-130.	4.1	125
100	Poly(sodium vinylsulfonate)/chitosan membranes with sulfonate ionic cross-linking and free sulfate groups: preparation and application in alcohol dehydration. <i>Journal of Membrane Science</i> , 2016, 510, 220-228.	4.1	34
101	High-flux and fouling-resistant reverse osmosis membrane prepared with incorporating zwitterionic amine monomers via interfacial polymerization. <i>Desalination</i> , 2016, 381, 100-110.	4.0	89
102	Synergistic strengthening of polyelectrolyte complex membranes by functionalized carbon nanotubes and metal ions. <i>Scientific Reports</i> , 2015, 5, 7782.	1.6	12
103	Effect of microstructure of graphene oxide fabricated through different self-assembly techniques on 1-butanol dehydration. <i>Journal of Membrane Science</i> , 2015, 477, 93-100.	4.1	278
104	A novel type of polyelectrolyte complex/MWCNT hybrid nanofiltration membranes for water softening. <i>Journal of Membrane Science</i> , 2015, 492, 412-421.	4.1	96
105	Preparation and pervaporation characteristics of novel ethanol permselective polyelectrolyte-surfactant complex membranes. <i>RSC Advances</i> , 2015, 5, 63545-63552.	1.7	12
106	A novel route for surface zwitterionic functionalization of polyamide nanofiltration membranes with improved performance. <i>Journal of Membrane Science</i> , 2015, 490, 311-320.	4.1	138
107	Physicochemical effects of hydrolyzed asymmetric polyacrylonitrile membrane microstructure on dehydrating butanol. <i>Journal of Membrane Science</i> , 2015, 490, 275-281.	4.1	40
108	Engineering novel polyelectrolyte complex membranes with improved mechanical properties and separation performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7296-7303.	5.2	36

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109	Tailoring the structure of polyamide thin film composite membrane with zwitterions to achieve high water permeability and antifouling property. RSC Advances, 2015, 5, 98730-98739.	1.7	29
110	Fabrication of chitosan/PDMCHEA blend positively charged membranes with improved mechanical properties and high nanofiltration performances. Desalination, 2015, 357, 8-15.	4.0	52
111	Polyelectrolyte complex nanofiltration membranes: performance modulation via casting solution pH. RSC Advances, 2014, 4, 52808-52814.	1.7	26
112	Preparation and properties of PEC nanocomposite membranes with carboxymethyl cellulose and modified silica. Carbohydrate Polymers, 2014, 106, 403-409.	5.1	15
113	Preparation and characterization of sulfated carboxymethyl cellulose nanofiltration membranes with improved water permeability. Desalination, 2014, 338, 74-83.	4.0	35
114	A study on high-performance composite membranes comprising heterogeneous polyamide layers on an electrospun substrate for ethanol dehydration. Journal of Membrane Science, 2014, 470, 513-523.	4.1	30
115	Cross-Linking with Diamine Monomers To Prepare Composite Graphene Oxide-Framework Membranes with Varying <i>d</i> -Spacing. Chemistry of Materials, 2014, 26, 2983-2990.	3.2	644
116	Preparation and separation characteristics of polyelectrolyte complex membranes containing sulfated carboxymethyl cellulose for water-ethanol mixtures at low pH. Cellulose, 2014, 21, 3597-3611.	2.4	15
117	Enhancing polymer/graphene oxide gas barrier film properties by introducing new crystals. Carbon, 2014, 75, 443-451.	5.4	81
118	Pressure-assisted self-assembly technique for fabricating composite membranes consisting of highly ordered selective laminate layers of amphiphilic graphene oxide. Carbon, 2014, 68, 670-677.	5.4	207
119	Molecular dynamics simulation and positron annihilation lifetime spectroscopy: Pervaporation dehydration process using polyelectrolyte complex membranes. Journal of Membrane Science, 2014, 451, 67-73.	4.1	17
120	Novel polyelectrolyte complex membranes containing free sulfate groups with improved pervaporation dehydration of ethanol. Journal of Membrane Science, 2014, 452, 73-81.	4.1	26
121	Tuning nanostructure of graphene oxide/polyelectrolyte LbL assemblies by controlling pH of GO suspension to fabricate transparent and super gas barrier films. Nanoscale, 2013, 5, 9081.	2.8	134
122	Novel separation membranes based on zwitterionic colloid particles: tunable selectivity and enhanced antifouling property. Journal of Materials Chemistry A, 2013, 1, 12213.	5.2	55
123	Preparation and characterization of polyelectrolyte complex membranes bearing alkyl side chains for the pervaporation dehydration of alcohols. Journal of Membrane Science, 2013, 429, 181-189.	4.1	42
124	Study on a novel nanofiltration membrane prepared by interfacial polymerization with zwitterionic amine monomers. Journal of Membrane Science, 2013, 431, 171-179.	4.1	192
125	Bio-inspired polyelectrolyte complex/graphene oxide nanocomposite membranes with enhanced tensile strength and ultra-low gas permeability. Polymer Chemistry, 2013, 4, 4298.	1.9	27
126	Shear induced self-thickening in chitosan-grafted polyacrylamide aqueous solution. Soft Matter, 2013, 9, 1835-1843.	1.2	18



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127	Homogenous polyelectrolyte complex membranes incorporated with strong ion-pairs with high pervaporation performance for dehydration of ethanol. <i>Journal of Membrane Science</i> , 2013, 435, 71-79.	4.1	22
128	AMOC Positron Annihilation Study of Zwitterionic Nanofiltration Membranes: Correlation between Fine Structure and Ultrahigh Permeability. <i>Macromolecules</i> , 2013, 46, 2228-2234.	2.2	42
129	Effect of the surface property of poly(tetrafluoroethylene) support on the mechanism of polyamide active layer formation by interfacial polymerization. <i>Soft Matter</i> , 2012, 8, 8998.	1.2	16
130	Comparison between Free Volume Characteristics of Composite Membranes Fabricated through Static and Dynamic Interfacial Polymerization Processes. <i>Macromolecules</i> , 2012, 45, 3428-3435.	2.2	53
131	Study of Polyelectrolyte Complex Nanoparticles as Novel Templates for Biomimetic Mineralization. <i>Crystal Growth and Design</i> , 2012, 12, 2382-2388.	1.4	20
132	Preparation and pervaporation characteristics of novel polyelectrolyte complex membranes containing dual anionic groups. <i>Journal of Membrane Science</i> , 2012, 415-416, 145-152.	4.1	21
133	Investigation of fine-structure of polyamide thin-film composite membrane under swelling effect by positron annihilation lifetime spectroscopy and molecular dynamics simulation. <i>Journal of Membrane Science</i> , 2012, 417-418, 201-209.	4.1	43
134	Fabrication and characterization of novel SiO <sub>2</sub> -PAMPS/PSF hybrid ultrafiltration membrane with high water flux. <i>Desalination</i> , 2012, 297, 59-71.	4.0	30
135	Highly sensitive and selective fiber-optic modal interferometric sensor for detecting trace mercury ion in aqueous solution. <i>Analytical Methods</i> , 2012, 4, 1292.	1.3	18
136	Pervaporation separation of ethanol/water mixture by UV/O <sub>3</sub> -modified PDMS membranes. <i>Separation and Purification Technology</i> , 2012, 100, 15-21.	3.9	25
137	Novel composite nanofiltration membranes containing zwitterions with high permeate flux and improved anti-fouling performance. <i>Journal of Membrane Science</i> , 2012, 390-391, 243-253.	4.1	120
138	DEPENDENCE OF FLOCCULATION PERFORMANCE OF POLYACRYLAMIDE FLOCCULANT ON PARENT SOLUTION CONCENTRATIONS. <i>Acta Polymerica Sinica</i> , 2012, 012, 284-290.	0.0	1
139	Fiber-Optic Catalytic Hydrogen Sensor Based on Thin-core Fiber Modal Interferometer. , 2012, , .		0
140	Insight into Fractal Self-Assembly of Poly(diallyldimethylammonium chloride)/Sodium Carboxymethyl Cellulose Polyelectrolyte Complex Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2011, 115, 14901-14911.	1.2	14
141	Solving the Charging Effect in Insulating Materials Probed by a Variable Monoenergy Slow Positron Beam. <i>Langmuir</i> , 2011, 27, 3020-3023.	1.6	10
142	Multilayered Poly(vinylidene fluoride) Composite Membranes with Improved Interfacial Compatibility: Correlating Pervaporation Performance with Free Volume Properties. <i>Langmuir</i> , 2011, 27, 11062-11070.	1.6	18
143	The chemical crosslinking of polyelectrolyte complex colloidal particles and the pervaporation performance of their membranes. <i>Journal of Membrane Science</i> , 2011, 385-386, 132-140.	4.1	26
144	Highly sensitive and fast responsive fiber-optic modal interferometric pH sensor based on polyelectrolyte complex and polyelectrolyte self-assembled nanocoating. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 3623-3631.	1.9	49

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145	Polyelectrolyte complex membranes for pervaporation, nanofiltration and fuel cell applications. <i>Journal of Membrane Science</i> , 2011, 379, 19-45.	4.1	217
146	Controllable disintegration of temperature-responsive self-assembled multilayer film based on polybetaine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 380, 270-279.	2.3	27
147	Fabrication of polysulfone ultrafiltration membranes of a density gradient cross section with good anti-pressure stability and relatively high water flux. <i>Desalination</i> , 2011, 269, 239-248.	4.0	50
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