

Yiqun Fan

List of Publications by Year in descending order

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132
papers

4,367
citations

81900

39
h-index

144013

57
g-index

133
all docs

133
docs citations

133
times ranked

3535
citing authors

#	ARTICLE	IF	CITATIONS
1	A reduced graphene oxide nanofiltration membrane intercalated by well-dispersed carbon nanotubes for drinking water purification. <i>Nanoscale</i> , 2016, 8, 5696-5705.	5.6	215
2	Molecular Bridges Stabilize Graphene Oxide Membranes in Water. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1689-1695.	13.8	166
3	One step co-sintering process for low-cost fly ash based ceramic microfiltration membrane in oil-in-water emulsion treatment. <i>Separation and Purification Technology</i> , 2019, 210, 511-520.	7.9	116
4	Nanoparticles@rGO membrane enabling highly enhanced water permeability and structural stability with preserved selectivity. <i>AIChE Journal</i> , 2017, 63, 5054-5063.	3.6	107
5	High gas permeability of SiC porous ceramics reinforced by mullite fibers. <i>Journal of the European Ceramic Society</i> , 2016, 36, 3909-3917.	5.7	92
6	Preparation of high-flux β -alumina nanofiltration membranes by using a modified sol-gel method. <i>Microporous and Mesoporous Materials</i> , 2015, 214, 195-203.	4.4	84
7	Underwater superoleophobic-underoil superhydrophobic Janus ceramic membrane with its switchable separation in oil/water emulsions. <i>Journal of Membrane Science</i> , 2018, 565, 303-310.	8.2	84
8	Modification of ceramic membranes for pore structure tailoring: The atomic layer deposition route. <i>Journal of Membrane Science</i> , 2012, 397-398, 17-23.	8.2	80
9	A new route for the fabrication of TiO ₂ ultrafiltration membranes with suspension derived from a wet chemical synthesis. <i>Journal of Membrane Science</i> , 2006, 270, 179-186.	8.2	79
10	Improving the filtration performance of ZrO ₂ membrane in non-polar organic solvents by surface hydrophobic modification. <i>Journal of Membrane Science</i> , 2011, 375, 276-283.	8.2	77
11	Synthesis of visible-light responsive C, N and Ce co-doped TiO ₂ mesoporous membranes via weak alkaline sol-gel process. <i>Journal of Materials Chemistry</i> , 2012, 22, 15309.	6.7	71
12	One-step preparation of high-performance bilayer β -alumina ultrafiltration membranes via co-sintering process. <i>Journal of Membrane Science</i> , 2017, 524, 141-150.	8.2	70
13	Tubular hydrophobic ceramic membrane with asymmetric structure for water desalination via vacuum membrane distillation process. <i>Desalination</i> , 2018, 443, 212-220.	8.2	70
14	Effect of TiO ₂ doping on the characteristics of macroporous Al ₂ O ₃ /TiO ₂ membrane supports. <i>Journal of the European Ceramic Society</i> , 2010, 30, 1317-1325.	5.7	69
15	Fabrication of TiO ₂ -doped ZrO ₂ nanofiltration membranes by using a modified colloidal sol-gel process and its application in simulative radioactive effluent. <i>Journal of Membrane Science</i> , 2016, 514, 476-486.	8.2	68
16	One-step engineering of low-cost kaolin/fly ash ceramic membranes for efficient separation of oil-water emulsions. <i>Journal of Membrane Science</i> , 2021, 621, 118954.	8.2	68
17	Co-sintering synthesis of tubular bilayer β -alumina membrane. <i>Journal of Membrane Science</i> , 2007, 288, 20-27.	8.2	66
18	Preparation and Characterization of SiC Whisker-Reinforced SiC Porous Ceramics for Hot Gas Filtration. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 226-232.	3.7	65

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19	Efficient Catalytic Decomposition of CO ₂ to CO and O ₂ over Pd/Mixed-Conducting Oxide Catalyst in an Oxygen-Permeable Membrane Reactor. <i>Environmental Science & Technology</i> , 2008, 42, 3064-3068.	10.0	64
20	Thermal decomposition of carbon dioxide coupled with POM in a membrane reactor. <i>AIChE Journal</i> , 2006, 52, 2545-2550.	3.6	60
21	Effect of the surface properties on filtration performance of Al ₂ O ₃ -TiO ₂ composite membrane. <i>Separation and Purification Technology</i> , 2009, 66, 306-312.	7.9	60
22	Co-sintering synthesis of bi-layer titania ultrafiltration membranes with intermediate layer of sol-coated nanofibers. <i>Journal of Membrane Science</i> , 2010, 365, 225-231.	8.2	57
23	Preparation of zirconia nanofiltration membranes through an aqueous sol-gel process modified by glycerol for the treatment of wastewater with high salinity. <i>Journal of Membrane Science</i> , 2016, 504, 29-39.	8.2	55
24	Designing High-Performance Nanofiltration Membranes for High-Salinity Separation of Sulfate and Chloride in the Chlor-Alkali Process. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 12280-12290.	3.7	54
25	State-of-the-art developments in fabricating ceramic membranes with low energy consumption. <i>Ceramics International</i> , 2021, 47, 14966-14987.	4.8	54
26	Facile co-sintering process to fabricate sustainable antifouling silver nanoparticles (AgNPs)-enhanced tight ceramic ultrafiltration membranes for protein separation. <i>Journal of Membrane Science</i> , 2020, 593, 117402.	8.2	52
27	Ceramic nanofiltration and membrane distillation hybrid membrane processes for the purification and recycling of boric acid from simulative radioactive waste water. <i>Journal of Membrane Science</i> , 2019, 579, 294-301.	8.2	50
28	Modified dip-coating method for preparation of pinhole-free ceramic membranes. <i>Journal of Membrane Science</i> , 2011, 367, 14-20.	8.2	49
29	Modified alumina nanofiber membranes for protein separation. <i>Separation and Purification Technology</i> , 2013, 120, 239-244.	7.9	49
30	An aqueous sol-gel process for the fabrication of high-flux YSZ nanofiltration membranes as applied to the nanofiltration of dye wastewater. <i>Separation and Purification Technology</i> , 2015, 152, 37-45.	7.9	49
31	Preparation of high-performance Al ₂ O ₃ /PES composite hollow fiber UF membranes via facile in-situ vapor induced hydrolyzation. <i>Journal of Membrane Science</i> , 2017, 539, 65-75.	8.2	49
32	Structure and Transport Properties of Water and Hydrated Ions in Nano-Confined Channels. <i>Advanced Theory and Simulations</i> , 2019, 2, 1900016.	2.8	47
33	Flux-enhanced γ -alumina tight ultrafiltration membranes for effective treatment of dye/salt wastewater at high temperatures. <i>Separation and Purification Technology</i> , 2019, 215, 143-154.	7.9	46
34	Integrated Membrane Process for the Purification of Lactic Acid from a Fermentation Broth Neutralized with Sodium Hydroxide. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 2412-2417.	3.7	45
35	Novel pore size tuning method for the fabrication of ceramic multi-channel nanofiltration membrane. <i>Journal of Membrane Science</i> , 2018, 552, 77-85.	8.2	44
36	A novel thermal spraying technique to fabricate fly ash/alumina composite membranes for oily emulsion and spent tin wastewater treatment. <i>Separation and Purification Technology</i> , 2019, 219, 127-136.	7.9	43

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37	Self-Cleaning Piezoelectric Membrane for Oil-in-Water Separation. ACS Applied Materials & Interfaces, 2018, 10, 18093-18103.	8.0	42
38	The effect of membrane thickness on the co-sintering process of bi-layer ZrO ₂ /Al ₂ O ₃ membrane. Journal of Membrane Science, 2007, 305, 20-26.	8.2	41
39	Design and fabrication of whisker hybrid ceramic membranes with narrow pore size distribution and high permeability via co-sintering process. Ceramics International, 2018, 44, 21159-21169.	4.8	41
40	Fabrication of a charged PDA/PEI/Al ₂ O ₃ composite nanofiltration membrane for desalination at high temperatures. Separation and Purification Technology, 2021, 263, 118388.	7.9	41
41	Modified ceramic membranes for low fouling separation of water-in-oil emulsions. Journal of Materials Science, 2016, 51, 6379-6388.	3.7	37
42	Pore evolution model of ceramic membrane during constrained sintering. Journal of Materials Science, 2009, 44, 689-699.	3.7	36
43	Reactor and Technical Feasibility Aspects of a CO ₂ Decomposition-Based Power Generation Cycle, Utilizing a High-Temperature Membrane Reactor. Industrial & Engineering Chemistry Research, 2003, 42, 2618-2626.	3.7	35
44	Pilot study on the ceramic membrane pre-treatment for seawater desalination with reverse osmosis in Tianjin Bohai Bay. Desalination, 2011, 279, 190-194.	8.2	35
45	Low temperature sintering preparation of high-permeability TiO ₂ /Ti composite membrane via facile coating method. Applied Surface Science, 2015, 349, 8-16.	6.1	35
46	Fabrication and in-situ fouling mitigation of a supported carbon nanotube/ γ -alumina ultrafiltration membrane. Journal of Membrane Science, 2018, 550, 26-35.	8.2	35
47	Preparation of a new ceramic microfiltration membrane with a separation layer of attapulgite nanofibers. Materials Letters, 2015, 143, 27-30.	2.6	34
48	Synthesis of Si-MCM-48 membrane by solvent extraction of the surfactant template. Journal of Non-Crystalline Solids, 2008, 354, 2010-2016.	3.1	33
49	Facile Mixing Process To Fabricate Fly-Ash-Enhanced Alumina-Based Membrane Supports for Industrial Microfiltration Applications. Industrial & Engineering Chemistry Research, 2019, 58, 8712-8723.	3.7	33
50	Fabrication of Supported Mesoporous TiO ₂ Membranes: Matching the Assembled and Interparticle Pores for an Improved Ultrafiltration Performance. ACS Applied Materials & Interfaces, 2009, 1, 1607-1612.	8.0	32
51	PZT/Ti composite piezoceramic membranes for liquid filtration: Fabrication and self-cleaning properties. Journal of Membrane Science, 2019, 581, 28-37.	8.2	32
52	Preparation of titania microfiltration membranes supported on porous Ti-Al alloys. Journal of Membrane Science, 2008, 325, 546-552.	8.2	31
53	Preparation of supported zirconia ultrafiltration membranes with the aid of polymeric additives. Journal of Membrane Science, 2010, 348, 252-259.	8.2	31
54	Characterization of the adhesion of thin palladium membranes supported on tubular porous ceramics. Thin Solid Films, 2007, 515, 5233-5240.	1.8	28

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55	Improving Performance of a Dense Membrane Reactor for Thermal Decomposition of CO ₂ via Surface Modification. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 2000-2005.	3.7	27
56	A facile route for the preparation of morphology-controlled NaTaO ₃ films. <i>Applied Surface Science</i> , 2008, 255, 2803-2807.	6.1	27
57	Fabrication of a visible-light response mesoporous TiO ₂ membrane with superior water permeability via a weak alkaline sol-gel process. <i>Chemical Communications</i> , 2011, 47, 3457.	4.1	27
58	Improving protein resistance of γ -Al ₂ O ₃ membranes by modification with POEGMA brushes. <i>Applied Surface Science</i> , 2011, 258, 1038-1044.	6.1	27
59	Integrating efficient filtration and visible-light photocatalysis by loading Ag-doped zeolite Y particles on filtration membrane of alumina nanofibers. <i>Journal of Membrane Science</i> , 2011, 375, 69-74.	8.2	27
60	Enhanced performance arising from low-temperature preparation of γ -alumina membranes via titania doping assisted sol-gel method. <i>Journal of Membrane Science</i> , 2018, 559, 19-27.	8.2	27
61	Improved photocatalytic deposition of palladium membranes. <i>Journal of Membrane Science</i> , 2006, 282, 1-6.	8.2	26
62	An improved Parks equation for prediction of surface charge properties of composite ceramic membranes. <i>Journal of Membrane Science</i> , 2008, 318, 100-106.	8.2	26
63	Fabrication of mesoporous TiO ₂ membranes by a nanoparticle-modified polymeric sol process. <i>Journal of Colloid and Interface Science</i> , 2014, 433, 43-48.	9.4	26
64	Toward effective membranes for hydrogen separation: Multichannel composite palladium membranes. <i>Journal of Power Sources</i> , 2008, 181, 135-139.	7.8	25
65	Feasibility analysis of SO ₂ absorption using a hydrophilic ceramic membrane contactor. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 2139-2147.	3.5	24
66	Preparation of dense Pd composite membranes on porous Ti-Al alloy supports by electroless plating. <i>Journal of Membrane Science</i> , 2012, 387-388, 24-29.	8.2	22
67	A Dual-Membrane Airlift Reactor for Cyclohexanone Ammoximation over Titanium Silicalite-1. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 6372-6379.	3.7	22
68	Optimization of microstructure and geometry of hydrophobic ceramic membrane for SO ₂ absorption from ship exhaust. <i>AIChE Journal</i> , 2019, 65, 409-420.	3.6	22
69	Optimization of UV-curable alumina suspension for digital light processing of ceramic membranes. <i>Journal of Membrane Science</i> , 2022, 643, 120066.	8.2	22
70	Membrane-based reactive separations for power generation applications: oxygen lancing. <i>Chemical Engineering Science</i> , 2003, 58, 1043-1052.	3.8	21
71	On the Membrane Reactor Concept for One-Step Hydroxylation of Benzene to Phenol with Oxygen and Hydrogen. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19618-19622.	3.1	21
72	Dynamic layer-by-layer self-assembly of organic-inorganic composite hollow fiber membranes. <i>AIChE Journal</i> , 2012, 58, 3176-3182.	3.6	21

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73	Enhancing mechanical and photocatalytic performances on TiO ₂ /Ti composite ultrafiltration membranes via Ag doping method. <i>Separation and Purification Technology</i> , 2015, 145, 29-38.	7.9	21
74	Ultrasound Assisted Synthesis of Size-Controlled Aqueous Colloids for the Fabrication of Nanoporous Zirconia Membrane. <i>Frontiers in Chemistry</i> , 2019, 7, 337.	3.6	21
75	One-pot in situ synthesis of Cu-SAPO-34/SiC catalytic membrane with enhanced binding strength and chemical resistance for combined removal of NO and dust. <i>Chemical Engineering Journal</i> , 2021, 420, 130425.	12.7	21
76	Toughening macroporous alumina membrane supports with YSZ powders. <i>Ceramics International</i> , 2009, 35, 1641-1646.	4.8	20
77	Effect of Cross-flow Velocity on the Critical Flux of Ceramic Membrane Filtration as a Pre-treatment for Seawater Desalination. <i>Chinese Journal of Chemical Engineering</i> , 2013, 21, 341-347.	3.5	20
78	A facile nanoparticle doping sol-gel method for the fabrication of defect-free nanoporous ceramic membranes. <i>Colloids and Interface Science Communications</i> , 2015, 5, 12-15.	4.1	20
79	Three-dimensional printing of high-flux ceramic membranes with an asymmetric structure via digital light processing. <i>Ceramics International</i> , 2022, 48, 304-312.	4.8	20
80	High-performance self-cleaning piezoelectric membrane integrated with in-situ ultrasound for wastewater treatment. <i>Journal of the European Ceramic Society</i> , 2020, 40, 3632-3641.	5.7	20
81	Modified ceramic membrane with pH/ethanol induced switchable superwettability for antifouling separation of oil-in-acidic water emulsions. <i>Separation and Purification Technology</i> , 2022, 293, 121022.	7.9	19
82	Evaluation of the oleophilicity of different alkoxy silane modified ceramic membranes through wetting dynamic measurements. <i>Applied Surface Science</i> , 2013, 283, 863-870.	6.1	18
83	Facile pore size tuning and characterization of nanoporous ceramic membranes for the purification of polysaccharide. <i>Journal of Membrane Science</i> , 2020, 597, 117631.	8.2	18
84	Effective and efficient fabrication of high-flux tight ZrO ₂ ultrafiltration membranes using a nanocrystalline precursor. <i>Journal of Membrane Science</i> , 2021, 634, 119378.	8.2	18
85	Hydrophilic membrane contactor for improving selective removal of SO ₂ by NaOH solution. <i>Separation and Purification Technology</i> , 2020, 250, 117134.	7.9	18
86	Environment-benign preparation of Ag toughening TiO ₂ /Ti tight ultrafiltration membrane via aqueous sol-gel route. <i>Journal of Materials Science</i> , 2015, 50, 5307-5317.	3.7	17
87	Preparation of ceramic membranes on porous Ti-Al alloy supports by an in-situ oxidation method. <i>Journal of Membrane Science</i> , 2015, 476, 554-560.	8.2	17
88	Robust CNT-based conductive ultrafiltration membrane with tunable surface potential for in situ fouling mitigation. <i>Applied Surface Science</i> , 2019, 497, 143786.	6.1	17
89	Mass-Transfer Characteristics and Optimization of a Hydrophilic Ceramic Membrane Contactor for SO ₂ Absorption. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 20828-20837.	3.7	17
90	Molecular Bridges Stabilize Graphene Oxide Membranes in Water. <i>Angewandte Chemie</i> , 2020, 132, 1706-1712.	2.0	17

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91	Investigation of Mass Transfer Characteristics of SO ₂ Absorption into NaOH in a Multichannel Ceramic Membrane Contactor. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 11054-11062.	3.7	17
92	Efficient construction of a robust PTFE/Al ₂ O ₃ hydrophobic membrane for effective oil purification. <i>Chemical Engineering Journal</i> , 2022, 435, 134972.	12.7	17
93	Liquid phase hydroxylation of benzene to phenol over vanadyl acetylacetonate supported on amine functionalized SBA-15. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 116, 535-547.	1.7	16
94	Enhanced Performance of Fly Ash-Based Supports for Low-Cost Ceramic Membranes with the Addition of Bauxite. <i>Membranes</i> , 2021, 11, 711.	3.0	16
95	Fabrication of mesoporous titania-zirconia composite membranes based on nanoparticles improved hydrosol. <i>Journal of Colloid and Interface Science</i> , 2016, 478, 136-144.	9.4	15
96	Design and Efficient Construction of Bilayer Al ₂ O ₃ /ZrO ₂ Mesoporous Membranes for Effective Treatment of Suspension Systems. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 4721-4731.	3.7	15
97	Determination of Infinite Dilution Diffusion Coefficients of Polycyclic Aromatic Hydrocarbons in Heptane and in Octane. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1995, 99, 1043-1045.	0.9	14
98	Preparation and Characterization of Alumina Membranes on Capillary Supports: Effect of Film-coating on Crack-free Membrane Preparation. <i>Chinese Journal of Chemical Engineering</i> , 2010, 18, 377-383.	3.5	14
99	Influence of alumina binders on adhesion and cohesion during preparation of Cu ₂ SAPO-34/monolith catalysts. <i>International Journal of Applied Ceramic Technology</i> , 2018, 15, 1490-1501.	2.1	14
100	Non-equilibrium molecular dynamics simulation on permeation and separation of H ₂ /CO in nanoporous carbon membranes. <i>Separation and Purification Technology</i> , 2008, 64, 71-77.	7.9	13
101	Fabrication of a Ceramic Membrane with Antifouling PTFE Coating for Gas-Absorption Desulfurization. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 2492-2500.	3.7	13
102	A new method for preparing γ-alumina ultrafiltration membrane at low sintering temperature. <i>Journal of Membrane Science</i> , 2022, 642, 119992.	8.2	13
103	A dense oxygen separation membrane deriving from nanosized mixed conducting oxide. <i>Journal of Membrane Science</i> , 2007, 291, 172-179.	8.2	12
104	Ceramic membrane filtration as seawater RO pre-treatment: influencing factors on the ceramic membrane flux and quality. <i>Desalination and Water Treatment</i> , 2013, 51, 2575-2583.	1.0	12
105	Modified wet chemical method synthesis of nano-ZrO ₂ and its application in preparing membranes. <i>Ceramics International</i> , 2021, 47, 13432-13439.	4.8	11
106	Effect of intermetallic diffusion between Pd and Ti-Al alloy on the performance of Pd/Ti-Al alloy composite membranes. <i>Journal of Membrane Science</i> , 2011, 377, 221-230.	8.2	10
107	Preparation Conditions and Porosity of Porous Titanium Sintered under Positive Pressure. <i>Materials and Manufacturing Processes</i> , 2013, 28, 1166-1170.	4.7	10
108	Influence of compatibility between sol and intermediate layer on the performance of yttria-stabilized zirconia nanofiltration membrane. <i>Ceramics International</i> , 2021, 47, 22801-22809.	4.8	10

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109	Self-cleaning performance of in-situ ultrasound generated by quartz-based piezoelectric membrane. Separation and Purification Technology, 2022, 282, 120031.	7.9	10
110	Preparation of composite palladium-silver alloy membranes by photocatalytic deposition. Thin Solid Films, 2008, 516, 7282-7285.	1.8	9
111	Preparation and Characterization of Ultrathin Palladium Membranes. Industrial & Engineering Chemistry Research, 2009, 48, 2061-2065.	3.7	9
112	Construction of high-performance CeO ₂ ultrafiltration membrane for high-temperature dye/salt separation. Journal of Membrane Science, 2021, 637, 119608.	8.2	9
113	Charged modified tight ceramic ultrafiltration membranes for treatment of cationic dye wastewater. Chinese Journal of Chemical Engineering, 2022, 41, 267-277.	3.5	9
114	1.11 Ceramic Membranes. , 2017, , 270-297.		8
115	Zwitterionic monolayer grafted ceramic membrane with an antifouling performance for the efficient oil/water separation. Chinese Journal of Chemical Engineering, 2022, 42, 227-235.	3.5	8
116	Effect of EDTA on preparation of Pd membranes by photocatalytic deposition. Desalination, 2006, 192, 117-124.	8.2	7
117	Diffusion of H ₂ , CO, N ₂ , O ₂ and CH ₄ Through Nanoporous Carbon Membranes. Chinese Journal of Chemical Engineering, 2008, 16, 709-714.	3.5	7
118	Preparation and properties of high toughness RBAO macroporous membrane support. Ceramics International, 2010, 36, 2025-2031.	4.8	7
119	Critical gas velocity of hydrophobic ceramic membrane contactors for SO ₂ absorption. Chemical Engineering Science, 2021, 231, 116327.	3.8	7
120	Study on adsorption phenomenon of diffusion dialysis for acid recovery. Separation and Purification Technology, 2013, 110, 144-149.	7.9	6
121	Preparation of Three-dimensionally ordered Macroporous SiO ₂ Membranes with Controllable Pore Size. Chemistry Letters, 2007, 36, 464-465.	1.3	5
122	Permeability and Stability of Hydrophobic Tubular Ceramic Membrane Contactor for CO ₂ Desorption from MEA Solution. Membranes, 2022, 12, 8.	3.0	5
123	Application of piezoelectric quartz for self-cleaning membrane preparation. Ceramics International, 2022, 48, 16599-16610.	4.8	5
124	Preparation of High Stability Pd/Ceramic/Ti-Al Alloy Composite Membranes by Electroless Plating. Frontiers in Chemistry, 2020, 8, 202.	3.6	4
125	Geometry effect on membrane absorption for CO ₂ capture. Part I: A hybrid modeling approach. AIChE Journal, 2022, 68, e17471.	3.6	4
126	Fabrication of a dual-layer ceramic mesoporous membrane with high flux via a co-sintering process. Microporous and Mesoporous Materials, 2022, 334, 111764.	4.4	4

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127	Efficient Estimation of Permeate Flux of Asymmetric Ceramic Membranes for Vacuum Membrane Distillation. <i>Molecules</i> , 2022, 27, 1057.	3.8	3
128	Preparation of Closed Macroporous Al ₂ O ₃ Membranes with a Three-dimensionally Ordered Structure. <i>Chemistry Letters</i> , 2008, 37, 420-421.	1.3	2
129	Effects of Sintering Atmosphere on the Microstructure and Surface Properties of Symmetric TiO ₂ Membranes. <i>Chinese Journal of Chemical Engineering</i> , 2009, 17, 739-745.	3.5	2
130	Mesoporous Si-MCM-48 membrane prepared by pore-filling method. <i>Science China Technological Sciences</i> , 2010, 53, 1064-1068.	4.0	2
131	Research progress in materials-oriented chemical engineering in China. <i>Reviews in Chemical Engineering</i> , 2019, 35, 917-927.	4.4	2
132	Suitable membrane absorption mode for diluted gas absorption - hydrophobic or hydrophilic. <i>Separation and Purification Technology</i> , 2022, 298, 121646.	7.9	2