

# Weihong Xing

## List of Publications by Citations

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205  
papers

4,905  
citations

38  
h-index

54  
g-index

213  
ext. papers

5,996  
ext. citations

7  
avg, IF

6.02  
L-index

#	Paper	IF	Citations
205	Progress and perspectives in PTFE membrane: Preparation, modification, and applications. <i>Journal of Membrane Science</i> , <b>2018</b> , 549, 332-349	9.6	135
204	Nanoporous metal membranes with bicontinuous morphology from recyclable block-copolymer templates. <i>Advanced Materials</i> , <b>2010</b> , 22, 2068-72	24	104
203	Adsorption of Hg <sup>2+</sup> from aqueous solution onto polyacrylamide/attapulgite. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 171, 640-6	12.8	99
202	Performance of ceramic nanofiltration membrane for desalination of dye solutions containing NaCl and Na <sub>2</sub> SO <sub>4</sub> . <i>Desalination</i> , <b>2017</b> , 404, 102-111	10.3	95
201	Unusual Air Filters with Ultrahigh Efficiency and Antibacterial Functionality Enabled by ZnO Nanorods. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 21538-44	9.5	91
200	Direct preparation of macroporous mullite supports for membranes by in situ reaction sintering. <i>Journal of Membrane Science</i> , <b>2008</b> , 318, 38-44	9.6	91
199	Electrospun nanofiber substrates that enhance polar solvent separation from organic compounds in thin-film composites. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 15047-15056	13	90
198	Tight Ultrafiltration Ceramic Membrane for Separation of Dyes and Mixed Salts (both NaCl/Na <sub>2</sub> SO <sub>4</sub> ) in Textile Wastewater Treatment. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 7070-7079	3.9	87
197	Facile Synthesis of Dual-Layer Organic Solvent Nanofiltration (OSN) Hollow Fiber Membranes. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 3019-3023	8.3	82
196	Highly efficient and selective reduction of nitroarenes with hydrazine over supported rhodium nanoparticles. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 301-304	5.5	74
195	Highly porous metal oxide networks of interconnected nanotubes by atomic layer deposition. <i>Nano Letters</i> , <b>2012</b> , 12, 5033-8	11.5	73
194	Structure design and applications of dual-layer polymeric membranes. <i>Journal of Membrane Science</i> , <b>2018</b> , 562, 85-111	9.6	68
193	Fabrication and characterization of amphiphilic PVDF copolymer ultrafiltration membrane with high anti-fouling property. <i>Journal of Membrane Science</i> , <b>2017</b> , 521, 95-103	9.6	67
192	Modification of ceramic membranes for pore structure tailoring: The atomic layer deposition route. <i>Journal of Membrane Science</i> , <b>2012</b> , 397-398, 17-23	9.6	65
191	Surface enriched sulfonated polyarylene ether benzonitrile (SPEB) that enhances heavy metal removal from polyacrylonitrile (PAN) thin-film composite nanofiltration membranes. <i>Journal of Membrane Science</i> , <b>2019</b> , 580, 214-223	9.6	59
190	High gas permeability of SiC porous ceramics reinforced by mullite fibers. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 3909-3917	6	58
189	Competitive adsorption of Hg <sup>2+</sup> , Pb <sup>2+</sup> and Co <sup>2+</sup> ions on polyacrylamide/attapulgite. <i>Desalination</i> , <b>2011</b> , 270, 269-274	10.3	57

188	Amphibian-inspired amino acid ionic liquid functionalized nanofiltration membranes with high water permeability and ion selectivity for pigment wastewater treatment. <i>Journal of Membrane Science</i> , <b>2019</b> , 586, 44-52	9.6	56
187	Novel polyamidoamine dendrimer-functionalized palygorskite adsorbents with high adsorption capacity for Pb <sup>2+</sup> and reactive dyes. <i>Applied Clay Science</i> , <b>2015</b> , 107, 220-229	5.2	55
186	Resistance analysis for ceramic membrane microfiltration of raw soy sauce. <i>Journal of Membrane Science</i> , <b>2007</b> , 299, 122-129	9.6	55
185	Effect of TiO <sub>2</sub> doping on the characteristics of macroporous Al <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> membrane supports. <i>Journal of the European Ceramic Society</i> , <b>2010</b> , 30, 1317-1325	6	54
184	Fouling and regeneration of ceramic membranes used in recovering titanium silicalite-1 catalysts. <i>Journal of Membrane Science</i> , <b>2007</b> , 301, 67-75	9.6	50
183	Modeling of relationship between water permeability and microstructure parameters of ceramic membranes. <i>Desalination</i> , <b>2006</b> , 192, 340-345	10.3	50
182	Adjustable interlayer spacing of ultrathin MXene-derived membranes for ion rejection. <i>Journal of Membrane Science</i> , <b>2019</b> , 591, 117350	9.6	48
181	Pd nanoparticles supported on N-doped porous carbons derived from ZIF-67: Enhanced catalytic performance in phenol hydrogenation. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2017</b> , 46, 258-265	6.3	48
180	Preparation and characterization of polyacrylamide/palygorskite. <i>Applied Clay Science</i> , <b>2009</b> , 46, 148-152	5.2	48
179	Preparation and Characterization of SiC Whisker-Reinforced SiC Porous Ceramics for Hot Gas Filtration. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 226-232	3.9	46
178	PDMS/PVDF composite pervaporation membrane for the separation of dimethyl carbonate from a methanol solution. <i>Journal of Membrane Science</i> , <b>2014</b> , 471, 47-55	9.6	45
177	Membrane surface roughness characterization and its influence on ultrafine particle adhesion. <i>Separation and Purification Technology</i> , <b>2012</b> , 90, 140-146	8.3	44
176	Application of ceramic membranes in the treatment of oilfield-produced water: Effects of polyacrylamide and inorganic salts. <i>Desalination</i> , <b>2013</b> , 309, 84-90	10.3	44
175	One-step semi-continuous cyclohexanone production via hydrogenation of phenol in a submerged ceramic membrane reactor. <i>Chemical Engineering Journal</i> , <b>2016</b> , 284, 724-732	14.7	42
174	Effect of initial solution apparent pH on nano-sized nickel catalysts in p-nitrophenol hydrogenation. <i>Chemical Engineering Journal</i> , <b>2009</b> , 145, 371-376	14.7	41
173	Effects of inorganic electrolytes on zeta potentials of ceramic microfiltration membranes. <i>Separation and Purification Technology</i> , <b>2005</b> , 42, 117-121	8.3	40
172	ALD-seeded hydrothermally-grown Ag/ZnO nanorod PTFE membrane as efficient indoor air filter. <i>Journal of Membrane Science</i> , <b>2017</b> , 531, 86-93	9.6	39
171	Zeolitic-imidazolate-framework filled hierarchical porous nanofiber membrane for air cleaning. <i>Journal of Membrane Science</i> , <b>2020</b> , 594, 117467	9.6	39

170	Fabrication of temperature-responsive ZrO <sub>2</sub> tubular membranes, grafted with poly (N-isopropylacrylamide) brush chains, for protein removal and easy cleaning. <i>Journal of Membrane Science</i> , <b>2014</b> , 450, 351-361	9.6	38
169	Preparation of non-oxide SiC membrane for gas purification by spray coating. <i>Journal of Membrane Science</i> , <b>2017</b> , 540, 381-390	9.6	38
168	Application of turbulence promoters in ceramic membrane bioreactor used for municipal wastewater reclamation. <i>Journal of Membrane Science</i> , <b>2002</b> , 210, 307-313	9.6	38
167	Integrated Membrane Process for the Purification of Lactic Acid from a Fermentation Broth Neutralized with Sodium Hydroxide. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 2412-2419	9.7	37
166	A submerged membrane reactor for continuous phenol hydroxylation over TS-1. <i>AIChE Journal</i> , <b>2008</b> , 54, 1842-1849	3.6	36
165	Crossflow filtration of nanosized catalysts suspension using ceramic membranes. <i>Separation and Purification Technology</i> , <b>2011</b> , 76, 223-230	8.3	35
164	Adhesion of nanosized nickel catalysts in the nanocatalysis/UF system. <i>AIChE Journal</i> , <b>2007</b> , 53, 1204-1210	3.6	35
163	Palladium nanoparticles supported on a two-dimensional layered zeolitic imidazolate framework-L as an efficient size-selective catalyst. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 221, 220-227	5.3	34
162	Selective Hydrogenation of Nitroarenes and Olefins over Rhodium Nanoparticles on Hydroxyapatite. <i>Advanced Synthesis and Catalysis</i> , <b>2012</b> , 354, 2689-2694	5.6	34
161	Treatment of titanium white waste acid using ceramic microfiltration membrane. <i>Chemical Engineering Journal</i> , <b>2005</b> , 111, 31-38	14.7	34
160	Separation of light gas mixtures using zeolite SSZ-13 membranes. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 275, 191-199	5.3	34
159	Balancing Osmotic Pressure of Electrolytes for Nanoporous Membrane Vanadium Redox Flow Battery with a Draw Solute. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 35289-35297	9.5	33
158	Coating of ZnO nanoparticles onto the inner pore channel surface of SiC foam to fabricate a novel antibacterial air filter material. <i>Ceramics International</i> , <b>2015</b> , 41, 7080-7090	5.1	31
157	New surface cross-linking method to fabricate positively charged nanofiltration membranes for dye removal. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2018</b> , 93, 2281-2291	3.5	31
156	Improved performance of Al-doped LiMn <sub>2</sub> O <sub>4</sub> ion-sieves for Li <sup>+</sup> adsorption. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 261, 29-34	5.3	31
155	Pervaporation dehydration of ethylene glycol by NaA zeolite membranes. <i>Chemical Engineering Research and Design</i> , <b>2012</b> , 90, 1372-1380	5.5	31
154	Fabrication and Catalytic Properties of Palladium Nanoparticles Deposited on a Silanized Asymmetric Ceramic Support. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 4405-4411	3.9	31
153	Pretreatment of Isopropanol Solution from Pharmaceutical Industry and Pervaporation Dehydration by NaA Zeolite Membranes. <i>Chinese Journal of Chemical Engineering</i> , <b>2011</b> , 19, 904-910	3.2	31

152	Separation of ammonium salts from coking wastewater with nanofiltration combined with diafiltration. <i>Desalination</i> , <b>2011</b> , 268, 233-237	10.3	31
151	Preparation of PdB/TiO <sub>2</sub> amorphous alloy catalysts and their performance on liquid-phase hydrogenation of p-nitrophenol. <i>Chemical Engineering Journal</i> , <b>2008</b> , 138, 517-522	14.7	31
150	The encouraging improvement of polyamide nanofiltration membrane by cucurbituril-based host-guest chemistry. <i>AIChE Journal</i> , <b>2020</b> , 66, e16879	3.6	31
149	Amphiphobic Polytetrafluoroethylene Membranes for Efficient Organic Aerosol Removal. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 8773-81	9.5	31
148	Fabrication of ceramic membranes with controllable surface roughness and their applications in oil/water separation. <i>Ceramics International</i> , <b>2013</b> , 39, 4355-4361	5.1	30
147	The Effect of Titania Structure on Ni/TiO <sub>2</sub> Catalysts for p-Nitrophenol Hydrogenation. <i>Chinese Journal of Chemical Engineering</i> , <b>2006</b> , 14, 665-669	3.2	30
146	Lower-temperature preparation of SiC ceramic membrane using zeolite residue as sintering aid for oil-in-water separation. <i>Journal of Membrane Science</i> , <b>2020</b> , 610, 118238	9.6	29
145	Designing High-Performance Nanofiltration Membranes for High-Salinity Separation of Sulfate and Chloride in the Chlor-Alkali Process. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 12280-12290	3.9	29
144	Preparation of highly stable porous SiC membrane supports with enhanced air purification performance by recycling NaA zeolite residue. <i>Journal of Membrane Science</i> , <b>2017</b> , 541, 500-509	9.6	29
143	A Novel Dual-Membrane Reactor for Continuous Heterogeneous Oxidation Catalysis. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 10458-10464	3.9	29
142	Fabrication of supported mesoporous TiO <sub>2</sub> membranes: matching the assembled and interparticle pores for an improved ultrafiltration performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 1607-1612	9.5	29
141	Clarification of raw rice wine by ceramic microfiltration membranes and membrane fouling analysis. <i>Desalination</i> , <b>2010</b> , 256, 166-173	10.3	29
140	Effects of inorganic salt on ceramic membrane microfiltration of titanium dioxide suspension. <i>Journal of Membrane Science</i> , <b>2005</b> , 254, 81-88	9.6	29
139	High-efficiency, Synergistic ZnO-Coated SiC Photocatalytic Filter with Antibacterial Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 6661-6670	3.9	29
138	Low-temperature sintering of porous silicon carbide ceramic support with SDBS as sintering aid. <i>Ceramics International</i> , <b>2017</b> , 43, 3377-3383	5.1	28
137	Fabrication of ionic liquids-functionalized PVA catalytic composite membranes to enhance esterification by pervaporation. <i>Journal of Membrane Science</i> , <b>2019</b> , 584, 268-281	9.6	28
136	Continuous Acetone Ammoximation over TS-1 in a Tubular Membrane Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 6309-6316	3.9	28
135	Effect of Alumina Particle Size on Ni/Al <sub>2</sub> O <sub>3</sub> Catalysts for p-Nitrophenol Hydrogenation. <i>Chinese Journal of Chemical Engineering</i> , <b>2007</b> , 15, 884-888	3.2	28

134	Perfluorinated superhydrophobic and oleophobic SiO <sub>2</sub> @PTFE nanofiber membrane with hierarchical nanostructures for oily fume purification. <i>Journal of Membrane Science</i> , <b>2020</b> , 594, 117473	9.6	28
133	PVDF mixed matrix ultrafiltration membrane incorporated with deformed rebar-like Fe <sub>3</sub> O <sub>4</sub> @palygorskite nanocomposites to enhance strength and antifouling properties. <i>Journal of Membrane Science</i> , <b>2020</b> , 612, 118467	9.6	26
132	Fabrication of ceramic membrane supported palladium catalyst and its catalytic performance in liquid-phase hydrogenation reaction. <i>Chemical Engineering Journal</i> , <b>2017</b> , 313, 1556-1566	14.7	26
131	Highly permeable and oriented AlPO-18 membranes prepared using directly synthesized nanosheets for CO <sub>2</sub> /CH <sub>4</sub> separation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 13164-13172	13	25
130	Esterification of Acetic Acid and n-Propanol with Vapor Permeation Using NaA Zeolite Membrane. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 6336-6342	3.9	25
129	Ceramic membrane fouling and cleaning in ultrafiltration of desulfurization wastewater. <i>Desalination</i> , <b>2013</b> , 319, 92-98	10.3	25
128	Improving protein resistance of Al <sub>2</sub> O <sub>3</sub> membranes by modification with POEGMA brushes. <i>Applied Surface Science</i> , <b>2011</b> , 258, 1038-1044	6.7	25
127	Pilot study on the ceramic membrane pre-treatment for seawater desalination with reverse osmosis in Tianjin Bohai Bay. <i>Desalination</i> , <b>2011</b> , 279, 190-194	10.3	25
126	Multifunctional metal organic framework and carbon nanotube-modified filter for combined ultrafine dust capture and SO <sub>2</sub> dynamic adsorption. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 3023-3031	7.1	25
125	Progress on Porous Ceramic Membrane Reactors for Heterogeneous Catalysis over Ultrafine and Nano-sized Catalysts. <i>Chinese Journal of Chemical Engineering</i> , <b>2013</b> , 21, 205-215	3.2	24
124	Grafting polyacrylic acid brushes onto zirconia membranes: Fouling reduction and easy-cleaning properties. <i>Separation and Purification Technology</i> , <b>2013</b> , 114, 53-63	8.3	24
123	Fabrication of a visible-light response mesoporous TiO <sub>2</sub> membrane with superior water permeability via a weak alkaline sol-gel process. <i>Chemical Communications</i> , <b>2011</b> , 47, 3457-9	5.8	24
122	Assembly of multidimensional MXene-carbon nanotube ultrathin membranes with an enhanced anti-swelling property for water purification. <i>Journal of Membrane Science</i> , <b>2021</b> , 623, 119075	9.6	24
121	A promising carbon fiber-based photocatalyst with hierarchical structure for dye degradation. <i>RSC Advances</i> , <b>2017</b> , 7, 22234-22242	3.7	23
120	Fabrication of mesoporous TiO <sub>2</sub> membranes by a nanoparticle-modified polymeric sol process. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 433, 43-48	9.3	23
119	Heterogeneous poly(ionic liquids) catalyst on nanofiber-like palygorskite supports for biodiesel production. <i>Applied Clay Science</i> , <b>2017</b> , 146, 167-175	5.2	22
118	Design and preparation of high permeability porous mullite support for membranes by in-situ reaction. <i>Ceramics International</i> , <b>2015</b> , 41, 8282-8287	5.1	22
117	Kinetic Modeling of Pervaporation Aided Esterification of Propionic Acid and Ethanol Using T-Type Zeolite Membrane. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 4940-4946	3.9	22

116	Ceramic hollow fiber membrane distributor for heterogeneous catalysis: Effects of membrane structure and operating conditions. <i>Chemical Engineering Journal</i> , <b>2013</b> , 223, 356-363	14.7	22
115	Preparation of a new ceramic microfiltration membrane with a separation layer of attapulgite nanofibers. <i>Materials Letters</i> , <b>2015</b> , 143, 27-30	3.3	22
114	Novel Synthesis of a High-Performance Pt/ZnO/SiC Filter for the Oxidation of Toluene. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 13857-13865	3.9	21
113	A novel ceramic microfiltration membrane fabricated by anthurium andraeanum-like attapulgite nanofibers for high-efficiency oil-in-water emulsions separation. <i>Journal of Membrane Science</i> , <b>2021</b> , 630, 119291	9.6	21
112	Selective and recyclable rhodium nanocatalysts for the reductive N-alkylation of nitrobenzenes and amines with aldehydes. <i>RSC Advances</i> , <b>2015</b> , 5, 56936-56941	3.7	20
111	Cleaning ceramic membranes used in treating desizing wastewater with a complex-surfactant SDBS-assisted method. <i>Desalination</i> , <b>2015</b> , 365, 25-35	10.3	20
110	Humic acid removal and easy-cleanability using temperature-responsive ZrO <sub>2</sub> tubular membranes grafted with poly(N-isopropylacrylamide) brush chains. <i>Water Research</i> , <b>2013</b> , 47, 2375-86	12.5	20
109	Preparation of Palladium Nanoparticles Deposited on a Silanized Hollow Fiber Ceramic Membrane Support and Their Catalytic Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 5002-5008	3.9	20
108	Enhanced Catalytic Properties of Palladium Nanoparticles Deposited on a Silanized Ceramic Membrane Support with a Flow-Through Method. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 14099-14106	3.9	20
107	Effect of Catalyst Morphology on the Performance of Submerged Nanocatalysis/Membrane Filtration System. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 6600-6607	3.9	20
106	Scouring-ball effect of microsized silica particles on operation stability of the membrane reactor for acetone ammoximation over TS-1. <i>Chemical Engineering Journal</i> , <b>2010</b> , 156, 418-422	14.7	20
105	A Dual-Membrane Airlift Reactor for Cyclohexanone Ammoximation over Titanium Silicalite-1. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 6372-6379	3.9	19
104	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> , <b>2013</b> , 21, 341-347	3.2	18
103	Effect of pH on microfiltration of Chinese herb aqueous extract by zirconia membrane. <i>Separation and Purification Technology</i> , <b>2006</b> , 50, 92-96	8.3	18
102	Encapsulated Polyethyleneimine Enables Synchronous Nanostructure Construction and Functionalization of Nanofiltration Membranes. <i>Nano Letters</i> , <b>2020</b> , 20, 8185-8192	11.5	18
101	Fabrication of bilayer catalytic composite membrane PVA-SA/SPVA and application for ethyl acetate synthesis. <i>Journal of Membrane Science</i> , <b>2018</b> , 563, 10-21	9.6	18
100	Corrosion behaviors of porous reaction-bonded silicon carbide ceramics incorporated with CaO. <i>Ceramics International</i> , <b>2018</b> , 44, 12225-12232	5.1	17
99	Insights into membrane fouling of a side-stream ceramic membrane reactor for phenol hydroxylation over ultrafine TS-1. <i>Chemical Engineering Journal</i> , <b>2014</b> , 239, 373-380	14.7	17

98	Zero liquid discharge hybrid membrane process for separation and recovery of ions with equivalent and similar molecular weights. <i>Desalination</i> , <b>2020</b> , 482, 114387	10.3	16
97	Controlled synthesis of Cu <sub>2</sub> O microcrystals in membrane dispersion reactor and comparative activity in heterogeneous Fenton application. <i>Powder Technology</i> , <b>2019</b> , 343, 847-854	5.2	16
96	Continuous and complete conversion of high concentration p-nitrophenol in a flow-through membrane reactor. <i>AIChE Journal</i> , <b>2019</b> , 65, e16692	3.6	15
95	Perfluoro-functionalized polyethyleneimine that enhances antifouling property of nanofiltration membranes. <i>Journal of Membrane Science</i> , <b>2020</b> , 611, 118286	9.6	15
94	Removal of Organic Aerosols from Furnace Flue Gas by Ceramic Filters. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 5455-5461	3.9	15
93	Adding Microsized Silica Particles to the Catalysis/Ultrafiltration System: Catalyst Dissolution Inhibition and Flux Enhancement. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 4933-4938	3.9	15
92	Triblock polymer template assisted sol-gel process for fabrication of multi-channel TiO <sub>2</sub> /ZrO <sub>2</sub> ultrafiltration membrane. <i>Journal of Membrane Science</i> , <b>2011</b> , 373, 167-172	9.6	15
91	Designing scalable dual-layer composite hollow fiber nanofiltration membranes with fully cross-linked ultrathin functional layer. <i>Journal of Membrane Science</i> , <b>2021</b> , 628, 119243	9.6	15
90	A Side-Stream Catalysis/Membrane Filtration System for the Continuous Liquid-Phase Hydrogenation of Phenol over [email protected] to Produce Cyclohexanone. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 11755-11762	3.9	14
89	Electric Field-Controlled Ion Transport In TiO <sub>2</sub> Nanochannel. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 11294-300	9.5	14
88	Porous TiO <sub>2</sub> aerogel-modified SiC ceramic membrane supported MnO <sub>x</sub> catalyst for simultaneous removal of NO and dust. <i>Journal of Membrane Science</i> , <b>2020</b> , 611, 118366	9.6	14
87	[email protected] <sub>2</sub> /Pt Catalytic Membrane for Collaborative Removal of VOCs and Nanoparticles. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 10564-10571	3.9	14
86	Emulsions prepared by two-stage ceramic membrane jet-flow emulsification. <i>AIChE Journal</i> , <b>2005</b> , 51, 1339-1345	3.6	14
85	Multifunctional [email protected] <sub>2</sub> Membrane for High Efficiency Removal of Particulate Matter and Toxic Gases. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 17876-17884	3.9	14
84	Temperature-dependent synthesis of Pd@ZIF-L catalysts via an assembly method. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 243, 16-21	5.3	13
83	Depositing lignin on membrane surfaces for simultaneously upgraded reverse osmosis performances: An upscalable route. <i>AIChE Journal</i> , <b>2017</b> , 63, 2221-2231	3.6	13
82	A submerged catalysis/membrane filtration system for hydrogenolysis of glycerol to 1,2-propanediol over Cu <sub>2</sub> ZnO catalyst. <i>Journal of Membrane Science</i> , <b>2015</b> , 489, 135-143	9.6	13
81	Hydroxyl radical intensified Cu <sub>2</sub> O NPs/H <sub>2</sub> O <sub>2</sub> process in ceramic membrane reactor for degradation on DMAc wastewater from polymeric membrane manufacturer. <i>Frontiers of Environmental Science and Engineering</i> , <b>2020</b> , 14, 1	5.8	13



80	Fabrication of high performance macroporous tubular silicon carbide gas filters by extrusion method. <i>Ceramics International</i> , <b>2018</b> , 44, 17792-17799	5.1	13
79	Integrated Membrane Process for the Treatment of Desulfurization Wastewater. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 3337-3341	3.9	13
78	Experiment and calculation of filtration processes in an external-loop airlift ceramic membrane bioreactor. <i>Chemical Engineering Science</i> , <b>2009</b> , 64, 2859-2865	4.4	13
77	Enhanced hydrophilicity of a thermo-responsive PVDF/palygorskite-g-PNIPAAm hybrid ultrafiltration membrane via surface segregation induced by temperature. <i>RSC Advances</i> , <b>2016</b> , 6, 62186-62192 <sup>13</sup>	3.7	13
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