

Weihong Xing

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/11623567/weihong-xing-publications-by-year.pdf>

Version: 2024-04-20

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.

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	Low-temperature sintering of silicon carbide membrane supports from disks to single- and 19-channel tubes. <i>Journal of the European Ceramic Society</i> , 2022 ,	6	1
204	Pore structure and surface property design of silicon carbide membrane for water-in-oil emulsification. <i>Journal of Membrane Science</i> , 2022 , 648, 120347	9.6	0
203	A novel semi-dry method for rapidly synthesis ZnO nanorods on SiO ₂ @PTFE nanofiber membrane for efficient air cleaning. <i>Journal of Membrane Science</i> , 2022 , 645, 120206	9.6	1
202	Anti-fouling and easy-cleaning PVDF membranes blended with hydrophilic thermo-responsive nanofibers for efficient biological wastewater treatment. <i>Separation and Purification Technology</i> , 2022 , 281, 119881	8.3	8
201	Multiscale super-amphiphobic ceramic membrane for oil aerosol removal. <i>Journal of Membrane Science</i> , 2022 , 642, 119996	9.6	0
200	Ultra-permeable high-selective SAPO-34 membranes for efficient CO ₂ capture. <i>Journal of Membrane Science</i> , 2022 , 650, 120420	9.6	1
199	Silicon carbide microfiltration membranes for oil-water separation: Pore structure-dependent wettability matters.. <i>Water Research</i> , 2022 , 216, 118270	12.5	3
198	A strategy for constructing highly efficient Co ₃ O ₄ -C@SiO ₂ nanofibers catalytic membrane for NH ₃ -SCR of NO and dust filtration. <i>Separation and Purification Technology</i> , 2022 , 292, 120997	8.3	1
197	High-performance mullite fibrous ceramic filter enhanced by composite sintering aids for dust-laden gas filtration. <i>Separation and Purification Technology</i> , 2022 , 292, 120967	8.3	0
196	Scalable fabrication of high-selective SSZ-13 membranes on 19-channel monolithic supports for efficient CO ₂ capture. <i>Separation and Purification Technology</i> , 2022 , 121122	8.3	0
195	A super-permeable and highly-oriented SAPO-34 thin membrane prepared by a green gel-less method using high-aspect-ratio nanosheets for efficient CO ₂ capture. <i>Chemical Engineering Journal</i> , 2022 , 442, 136336	14.7	1
194	A breathable PTFE membrane for enhanced moxibustion process and occupational health protection. <i>Journal of Membrane Science</i> , 2022 , 655, 120579	9.6	0
193	Functionalized membranes for multipollutants bearing air treatment 2022 , 167-200		
192	Advanced microporous membranes for H ₂ /CH ₄ separation: Challenges and perspectives 2021 , 1, 100011		4
191	Novel PVDF-g-NMA Copolymer for Fabricating the Hydrophilic Ultrafiltration Membrane with Good Antifouling Property. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 541-550	3.9	2
190	Assembly of multidimensional MXene-carbon nanotube ultrathin membranes with an enhanced anti-swelling property for water purification. <i>Journal of Membrane Science</i> , 2021 , 623, 119075	9.6	24
189	Nanocapsule controlled interfacial polymerization finely tunes membrane surface charge for precise molecular sieving. <i>Chemical Engineering Journal</i> , 2021 , 409, 128198	14.7	11

188	A novel catalytic composite membrane with anti-swelling for enhancing esterification of acetic acid with ethanol. <i>Chemical Engineering Journal Advances</i> , 2021 , 6, 100088	3.6	3
187	Porous Membrane Reactors for Liquid-Phase Heterogeneous Catalysis. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 8969-8990	3.9	0
186	Designing scalable dual-layer composite hollow fiber nanofiltration membranes with fully cross-linked ultrathin functional layer. <i>Journal of Membrane Science</i> , 2021 , 628, 119243	9.6	15
185	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> , 2021 , 630, 119291	9.6	21
184	Adsorption behaviors and mechanism of heavy metals onto attapulgite functionalized by polyamine silane. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 1887-1901	3.8	3
183	Preparation and properties of a low-cost porous ceramic support from low-grade palygorskite clay and silicon-carbide with vanadium pentoxide additives. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 29, 417-425	3.2	3
182	Controllable Synthesis of 1D Pd@N-CNFs with High Catalytic Performance for Phenol Hydrogenation. <i>Catalysis Letters</i> , 2021 , 151, 1013-1024	2.8	3
181	Dual-layer membrane with hierarchical hydrophobicity and transport channels for nonpolar organic solvent nanofiltration. <i>AIChE Journal</i> , 2021 , 67, e17138	3.6	7
180	Low-temperature sintering of a porous SiC ceramic filter using water glass and zirconia as sintering aids. <i>Ceramics International</i> , 2021 , 47, 26125-26133	5.1	6
179	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	14.7	2
178	Graphene oxide functionalized polyvinylidene fluoride nanofibrous membranes for efficient particulate matter removal. <i>Journal of Membrane Science</i> , 2021 , 635, 119463	9.6	11
177	Transmission of butanol isomers in pervaporation based on series resistance model. <i>Journal of Membrane Science</i> , 2021 , 638, 119702	9.6	2
176	Multi-component separation of small molecular/ionic pollutants with smart pH-gating membranes. <i>Chemical Engineering Science</i> , 2021 , 245, 116854	4.4	8
175	Lower-temperature preparation of SiC ceramic membrane using zeolite residue as sintering aid for oil-in-water separation. <i>Journal of Membrane Science</i> , 2020 , 610, 118238	9.6	29
174	Preparation and evaluation of γ -Al ₂ O ₃ supported lithium ion sieve membranes for Li ⁺ extraction. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 2312-2318	3.2	6
173	Hydroxyl radical intensified Cu ₂ O NPs/H ₂ O ₂ process in ceramic membrane reactor for degradation on DMAc wastewater from polymeric membrane manufacturer. <i>Frontiers of Environmental Science and Engineering</i> , 2020 , 14, 1	5.8	13
172	Porous TiO ₂ aerogel-modified SiC ceramic membrane supported MnOx catalyst for simultaneous removal of NO and dust. <i>Journal of Membrane Science</i> , 2020 , 611, 118366	9.6	14
171	Zero liquid discharge hybrid membrane process for separation and recovery of ions with equivalent and similar molecular weights. <i>Desalination</i> , 2020 , 482, 114387	10.3	16

170	PVDF mixed matrix ultrafiltration membrane incorporated with deformed rebar-like Fe ₃ O ₄ @alygorskite nanocomposites to enhance strength and antifouling properties. <i>Journal of Membrane Science</i> , 2020 , 612, 118467	9.6	26
169	Perfluoro-functionalized polyethyleneimine that enhances antifouling property of nanofiltration membranes. <i>Journal of Membrane Science</i> , 2020 , 611, 118286	9.6	15
168	Hydrothermal Synthesis of a Pt/ Catalytic Membrane for the Simultaneous Removal of NO and Particulate Matter. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 4302-4312	3.9	4
167	A bifunctional MnO @PTFE catalytic membrane for efficient low temperature NO -SCR and dust removal. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 1260-1267	3.2	2
166	Manganese dioxide-filled hierarchical porous nanofiber membrane for indoor air cleaning at room temperature. <i>Journal of Membrane Science</i> , 2020 , 605, 118094	9.6	11
165	The encouraging improvement of polyamide nanofiltration membrane by cucurbituril-based host-guest chemistry. <i>AIChE Journal</i> , 2020 , 66, e16879	3.6	31
164	Pilot-Scale Cyclohexanone Production through Phenol Hydrogenation over Pd/CN in a Continuous Ceramic Membrane Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 13848-13851	3.9	5
163	Generation of Monodisperse Submicron Water-in-Diesel Emulsions via a Hydrophobic MXene-Modified Ceramic Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 20349-20358	3.9	4
162	Steric Configuration-Controllable Carbon Nanotubes-Integrated SiC Membrane for Ultrafine Particles Filtration. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 19680-19688	3.9	7
161	Encapsulated Polyethyleneimine Enables Synchronous Nanostructure Construction and Functionalization of Nanofiltration Membranes. <i>Nano Letters</i> , 2020 , 20, 8185-8192	11.5	18
160	Highly Ordered Nanochannels in a Nanosheet-Directed Thin Zeolite Nanofilm for Precise and Fast CO Separation. <i>Small</i> , 2020 , 16, e2002836	11	12
159	Multifunctional 2 Membrane for High Efficiency Removal of Particulate Matter and Toxic Gases. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 17876-17884	3.9	14
158	Enhanced phenol hydrogenation for cyclohexanone production by membrane dispersion. <i>Chemical Engineering Journal</i> , 2020 , 386, 120744	14.7	9
157	Perfluorinated superhydrophobic and oleophobic SiO ₂ @PTFE nanofiber membrane with hierarchical nanostructures for oily fume purification. <i>Journal of Membrane Science</i> , 2020 , 594, 117473	9.6	28
156	Zeolitic-imidazolate-framework filled hierarchical porous nanofiber membrane for air cleaning. <i>Journal of Membrane Science</i> , 2020 , 594, 117467	9.6	39
155	Al-DTPA microfiber assisted formwork construction technology for high-performance SiC membrane preparation. <i>Journal of Membrane Science</i> , 2020 , 594, 117464	9.6	10
154	Pd-ZIF-L-GO ternary nanolaminates for enhanced heterogeneous catalysis. <i>2D Materials</i> , 2020 , 7, 0150015	5.9	4
153	Continuous and complete conversion of high concentration p-nitrophenol in a flow-through membrane reactor. <i>AIChE Journal</i> , 2019 , 65, e16692	3.6	15

152	Amphiphilic PVDF-g-PDMAPMA ultrafiltration membrane with enhanced hydrophilicity and antifouling properties. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 48049	2.9	7
151	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> , 2019 , 586, 44-52	9.6	56
150	Fabrication of ionic liquids-functionalized PVA catalytic composite membranes to enhance esterification by pervaporation. <i>Journal of Membrane Science</i> , 2019 , 584, 268-281	9.6	28
149	Highly permeable and oriented ALPO-18 membranes prepared using directly synthesized nanosheets for CO ₂ /CH ₄ separation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 13164-13172	13	25
148	Advanced porous polyphenylsulfone membrane with ultrahigh chemical stability and selectivity for vanadium flow batteries. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47752	2.9	2
147	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> , 2019 , 580, 214-223	9.6	59
146	Recent developments on catalytic membrane for gas cleaning. <i>Chinese Journal of Chemical Engineering</i> , 2019 , 27, 1391-1402	3.2	7
145	Adjustable interlayer spacing of ultrathin MXene-derived membranes for ion rejection. <i>Journal of Membrane Science</i> , 2019 , 591, 117350	9.6	48
144	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	3.9	29
143	Exploring the Key Factors in Dusty Gas Filtration: Experimental and Modeling Studies. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 19633-19641	3.9	4
142	Fabrication and modeling of catalytic membrane for removing water in esterification. <i>Journal of Membrane Science</i> , 2019 , 579, 120-130	9.6	8
141	Separation of light gas mixtures using zeolite SSZ-13 membranes. <i>Microporous and Mesoporous Materials</i> , 2019 , 275, 191-199	5.3	34
140	Controlled synthesis of Cu ₂ O microcrystals in membrane dispersion reactor and comparative activity in heterogeneous Fenton application. <i>Powder Technology</i> , 2019 , 343, 847-854	5.2	16
139	Development of stable and active PVA-PSSA/SA-PVA catalytic composite membrane for esterification enhancement. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46514	2.9	9
138	Corrosion behaviors of porous reaction-bonded silicon carbide ceramics incorporated with CaO. <i>Ceramics International</i> , 2018 , 44, 12225-12232	5.1	17
137	Membrane enhanced COD degradation of pulp wastewater using Cu ₂ O/H ₂ O ₂ heterogeneous Fenton process. <i>Chinese Journal of Chemical Engineering</i> , 2018 , 26, 1896-1903	3.2	8
136	Membrane Based Gas-Liquid Dispersion Integrated in Fixed-Bed Reactor: A Highly Efficient Technology for Heterogeneous Catalysis. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 1581-1588	3.9	6
135	New surface cross-linking method to fabricate positively charged nanofiltration membranes for dye removal. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 2281-2291	3.5	31

134	Improved performance of Al-doped LiMn ₂ O ₄ ion-sieves for Li ⁺ adsorption. <i>Microporous and Mesoporous Materials</i> , 2018 , 261, 29-34	5.3	31
133	Fabrication of high performance macroporous tubular silicon carbide gas filters by extrusion method. <i>Ceramics International</i> , 2018 , 44, 17792-17799	5.1	13
132	/Pt Catalytic Membrane for Collaborative Removal of VOCs and Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 10564-10571	3.9	14
131	Electrospun nanofiber substrates that enhance polar solvent separation from organic compounds in thin-film composites. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15047-15056	13	90
130	Amphiphobic PFTMS@nano-SiO ₂ /ePTFE Membrane for Oil Aerosol Removal. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 10431-10438	3.9	9
129	Progress and perspectives in PTFE membrane: Preparation, modification, and applications. <i>Journal of Membrane Science</i> , 2018 , 549, 332-349	9.6	135
128	Multifunctional metal organic framework and carbon nanotube-modified filter for combined ultrafine dust capture and SO ₂ dynamic adsorption. <i>Environmental Science: Nano</i> , 2018 , 5, 3023-3031	7.1	25
127	Structure design and applications of dual-layer polymeric membranes. <i>Journal of Membrane Science</i> , 2018 , 562, 85-111	9.6	68
126	Fabrication of bilayer catalytic composite membrane PVA-SA/SPVA and application for ethyl acetate synthesis. <i>Journal of Membrane Science</i> , 2018 , 563, 10-21	9.6	18
125	Temperature-dependent synthesis of Pd@ZIF-L catalysts via an assembly method. <i>Microporous and Mesoporous Materials</i> , 2017 , 243, 16-21	5.3	13
124	ALD-seeded hydrothermally-grown Ag/ZnO nanorod PTFE membrane as efficient indoor air filter. <i>Journal of Membrane Science</i> , 2017 , 531, 86-93	9.6	39
123	A promising carbon fiber-based photocatalyst with hierarchical structure for dye degradation. <i>RSC Advances</i> , 2017 , 7, 22234-22242	3.7	23
122	Tight Ultrafiltration Ceramic Membrane for Separation of Dyes and Mixed Salts (both NaCl/Na ₂ SO ₄) in Textile Wastewater Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 7070-7079	3.9	87
121	Heterogeneous poly(ionic liquids) catalyst on nanofiber-like palygorskite supports for biodiesel production. <i>Applied Clay Science</i> , 2017 , 146, 167-175	5.2	22
120	Depositing lignin on membrane surfaces for simultaneously upgraded reverse osmosis performances: An upscalable route. <i>AIChE Journal</i> , 2017 , 63, 2221-2231	3.6	13
119	High efficient synthesis of methyl ethyl ketone oxime from ammoximation of methyl ethyl ketone over TS-1 in a ceramic membrane reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017 , 116, 1-8	3.7	9
118	Low-temperature sintering of porous silicon carbide ceramic support with SDBS as sintering aid. <i>Ceramics International</i> , 2017 , 43, 3377-3383	5.1	28
117	Novel Synthesis of a High-Performance Pt/ZnO/SiC Filter for the Oxidation of Toluene. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 13857-13865	3.9	21

116	A Side-Stream Catalysis/Membrane Filtration System for the Continuous Liquid-Phase Hydrogenation of Phenol over to Produce Cyclohexanone. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 11755-11762	3.9	14
115	Preparation of highly stable porous SiC membrane supports with enhanced air purification performance by recycling NaA zeolite residue. <i>Journal of Membrane Science</i> , 2017 , 541, 500-509	9.6	29
114	Preparation of non-oxide SiC membrane for gas purification by spray coating. <i>Journal of Membrane Science</i> , 2017 , 540, 381-390	9.6	38
113	Fabrication of ceramic membrane supported palladium catalyst and its catalytic performance in liquid-phase hydrogenation reaction. <i>Chemical Engineering Journal</i> , 2017 , 313, 1556-1566	14.7	26
112	Performance of ceramic nanofiltration membrane for desalination of dye solutions containing NaCl and Na ₂ SO ₄ . <i>Desalination</i> , 2017 , 404, 102-111	10.3	95
111	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> , 2017 , 46, 258-265	6.3	48
110	Fabrication and characterization of amphiphilic PVDF copolymer ultrafiltration membrane with high anti-fouling property. <i>Journal of Membrane Science</i> , 2017 , 521, 95-103	9.6	67
109	1.11 Ceramic Membranes 2017 , 270-297		3
108	Fabrication of mesoporous titania-zirconia composite membranes based on nanoparticles improved hydrosol. <i>Journal of Colloid and Interface Science</i> , 2016 , 478, 136-44	9.3	11
107	Highly efficient synthesis of cumene via benzene isopropylation over nano-sized beta zeolite in a submerged ceramic membrane reactor. <i>Separation and Purification Technology</i> , 2016 , 170, 49-56	8.3	6
106	Controllable synthesis of Pd@ZIF-L catalysts by an assembly method. <i>RSC Advances</i> , 2016 , 6, 21337-21344	4.7	11
105	Enhanced catalytic properties of Pd nanoparticles by their deposition on ZnO-coated ceramic membranes. <i>RSC Advances</i> , 2016 , 6, 2087-2095	3.7	11
104	Palladium nanoparticles supported on a two-dimensional layered zeolitic imidazolate framework-L as an efficient size-selective catalyst. <i>Microporous and Mesoporous Materials</i> , 2016 , 221, 220-227	5.3	34
103	One-step semi-continuous cyclohexanone production via hydrogenation of phenol in a submerged ceramic membrane reactor. <i>Chemical Engineering Journal</i> , 2016 , 284, 724-732	14.7	42
102	High gas permeability of SiC porous ceramics reinforced by mullite fibers. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 3909-3917	6	58
101	Organic Solvent-Free Process for Cyclohexanone Ammoximation by a Ceramic Membrane Distributor. <i>Chemical Engineering and Technology</i> , 2016 , 39, 883-890	2	7
100	Balancing Osmotic Pressure of Electrolytes for Nanoporous Membrane Vanadium Redox Flow Battery with a Draw Solute. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 35289-35297	9.5	33
99	Enhanced hydrophilicity of a thermo-responsive PVDF/palygorskite-g-PNIPAAm hybrid ultrafiltration membrane via surface segregation induced by temperature. <i>RSC Advances</i> , 2016 , 6, 62186-62192	3.7	13

98	Amphiphobic Polytetrafluoroethylene Membranes for Efficient Organic Aerosol Removal. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8773-81	9.5	31
97	High-efficiency, Synergistic ZnO-Coated SiC Photocatalytic Filter with Antibacterial Properties. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 6661-6670	3.9	29
96	Ceramic micro/ultra-filtration of low-concentration ultrafine sulfur in desulfurization wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 3088-3095	3.5	3
95	Novel polyamidoamine dendrimer-functionalized palygorskite adsorbents with high adsorption capacity for Pb ²⁺ and reactive dyes. <i>Applied Clay Science</i> , 2015 , 107, 220-229	5.2	55
94	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> , 2015 , 41, 7080-7090	5.1	31
93	Design and preparation of high permeability porous mullite support for membranes by in-situ reaction. <i>Ceramics International</i> , 2015 , 41, 8282-8287	5.1	22
92	Electric Field-Controlled Ion Transport In TiO ₂ Nanochannel. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11294-300	9.5	14
91	Selective and recyclable rhodium nanocatalysts for the reductive N-alkylation of nitrobenzenes and amines with aldehydes. <i>RSC Advances</i> , 2015 , 5, 56936-56941	3.7	20
90	Kinetic Modeling of Pervaporation Aided Esterification of Propionic Acid and Ethanol Using T-Type Zeolite Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 4940-4946	3.9	22
89	A submerged catalysis/membrane filtration system for hydrogenolysis of glycerol to 1,2-propanediol over Cu ₂ O catalyst. <i>Journal of Membrane Science</i> , 2015 , 489, 135-143	9.6	13
88	Unusual Air Filters with Ultrahigh Efficiency and Antibacterial Functionality Enabled by ZnO Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21538-44	9.5	91
87	Preparation and Characterization of SiC Whisker-Reinforced SiC Porous Ceramics for Hot Gas Filtration. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 226-232	3.9	46
86	Purifying condensed water with ceramic ultrafiltration membranes. <i>Journal of Chemical Technology and Biotechnology</i> , 2015 , 90, 2092-2099	3.5	3
85	Facile Synthesis of Dual-Layer Organic Solvent Nanofiltration (OSN) Hollow Fiber Membranes. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 3019-3023	8.3	82
84	Preparation of a new ceramic microfiltration membrane with a separation layer of attapulgite nanofibers. <i>Materials Letters</i> , 2015 , 143, 27-30	3.3	22
83	Cleaning ceramic membranes used in treating desizing wastewater with a complex-surfactant SDBS-assisted method. <i>Desalination</i> , 2015 , 365, 25-35	10.3	20
82	River Water Purification via a Coagulation-Porous Ceramic Membrane Hybrid Process. <i>Chinese Journal of Chemical Engineering</i> , 2014 , 22, 113-119	3.2	8
81	One-step Continuous Phenol Synthesis Technology via Selective Hydroxylation of Benzene over Ultrafine TS-1 in a Submerged Ceramic Membrane Reactor. <i>Chinese Journal of Chemical Engineering</i> , 2014 , 22, 1199-1207	3.2	10

80	PDMS/PVDF composite pervaporation membrane for the separation of dimethyl carbonate from a methanol solution. <i>Journal of Membrane Science</i> , 2014 , 471, 47-55	9.6	45
79	A Dual-Membrane Airlift Reactor for Cyclohexanone Ammoximation over Titanium Silicalite-1. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 6372-6379	3.9	19
78	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	9.3	23
77	Fabrication of temperature-responsive ZrO ₂ tubular membranes, grafted with poly (N-isopropylacrylamide) brush chains, for protein removal and easy cleaning. <i>Journal of Membrane Science</i> , 2014 , 450, 351-361	9.6	38
76	Catalytic activity of palladium nanoparticles immobilized on an amino-functionalized ceramic membrane support. <i>Chinese Journal of Catalysis</i> , 2014 , 35, 1990-1996	11.3	10
75	Insights into membrane fouling of a side-stream ceramic membrane reactor for phenol hydroxylation over ultrafine TS-1. <i>Chemical Engineering Journal</i> , 2014 , 239, 373-380	14.7	17
74	Selective Reduction of Nitroarenes with Molybdenum Disulfide. <i>Chinese Journal of Chemistry</i> , 2013 , 31, 987-991	4.9	12
73	Progress on Porous Ceramic Membrane Reactors for Heterogeneous Catalysis over Ultrafine and Nano-sized Catalysts. <i>Chinese Journal of Chemical Engineering</i> , 2013 , 21, 205-215	3.2	24
72	Esterification of Acetic Acid and n-Propanol with Vapor Permeation Using NaA Zeolite Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 6336-6342	3.9	25
71	Continuous phenol hydroxylation over ultrafine TS-1 in a side-stream ceramic membrane reactor. <i>Korean Journal of Chemical Engineering</i> , 2013 , 30, 852-859	2.8	7
70	Grafting polyacrylic acid brushes onto zirconia membranes: Fouling reduction and easy-cleaning properties. <i>Separation and Purification Technology</i> , 2013 , 114, 53-63	8.3	24
69	Inorganic Membrane Filtration, Modeling Microfiltration and Ultrafiltration 2013 , 1		
68	Ceramic hollow fiber membrane distributor for heterogeneous catalysis: Effects of membrane structure and operating conditions. <i>Chemical Engineering Journal</i> , 2013 , 223, 356-363	14.7	22
67	Fouling formation and removal in the microfiltration of Mg(OH) ₂ suspension with ceramic membrane. <i>Desalination</i> , 2013 , 325, 132-137	10.3	5
66	Enhanced phenol hydroxylation with oxygen using a ceramic membrane distributor. <i>Chinese Journal of Catalysis</i> , 2013 , 34, 200-208	11.3	11
65	Humic acid removal and easy-cleanability using temperature-responsive ZrO ₂ tubular membranes grafted with poly(N-isopropylacrylamide) brush chains. <i>Water Research</i> , 2013 , 47, 2375-86	12.5	20
64	Preparation of Palladium Nanoparticles Deposited on a Silanized Hollow Fiber Ceramic Membrane Support and Their Catalytic Properties. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 5002-5008	3.9	20
63	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	3.2	18

62	Fabrication of ceramic membranes with controllable surface roughness and their applications in oil/water separation. <i>Ceramics International</i> , 2013 , 39, 4355-4361	5.1	30
61	Ceramic membrane fouling and cleaning in ultrafiltration of desulfurization wastewater. <i>Desalination</i> , 2013 , 319, 92-98	10.3	25
60	Application of ceramic membranes in the treatment of oilfield-produced water: Effects of polyacrylamide and inorganic salts. <i>Desalination</i> , 2013 , 309, 84-90	10.3	44
59	Removal of Organic Aerosols from Furnace Flue Gas by Ceramic Filters. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 5455-5461	3.9	15
58	Enhanced Catalytic Properties of Palladium Nanoparticles Deposited on a Silanized Ceramic Membrane Support with a Flow-Through Method. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 14099-14106	3.9	20
57	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	3.9	37
56	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		8
55	Membrane surface roughness characterization and its influence on ultrafine particle adhesion. <i>Separation and Purification Technology</i> , 2012 , 90, 140-146	8.3	44
54	Modification of ceramic membranes for pore structure tailoring: The atomic layer deposition route. <i>Journal of Membrane Science</i> , 2012 , 397-398, 17-23	9.6	65
53	Pervaporation dehydration of ethylene glycol by NaA zeolite membranes. <i>Chemical Engineering Research and Design</i> , 2012 , 90, 1372-1380	5.5	31
52	Highly porous metal oxide networks of interconnected nanotubes by atomic layer deposition. <i>Nano Letters</i> , 2012 , 12, 5033-8	11.5	73
51	Selective Hydrogenation of Nitroarenes and Olefins over Rhodium Nanoparticles on Hydroxyapatite. <i>Advanced Synthesis and Catalysis</i> , 2012 , 354, 2689-2694	5.6	34
50	Highly efficient and selective reduction of nitroarenes with hydrazine over supported rhodium nanoparticles. <i>Catalysis Science and Technology</i> , 2012 , 2, 301-304	5.5	74
49	A Novel Dual-Membrane Reactor for Continuous Heterogeneous Oxidation Catalysis. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 10458-10464	3.9	29
48	Conditions Optimization and Kinetics for the Cleaning of Ceramic Membranes Fouled by BaSO ₄ Crystals in Brine Purification Using a DTPA Complex Solution. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 11245-11251	3.9	12
47	Improving protein resistance of Al ₂ O ₃ membranes by modification with POEGMA brushes. <i>Applied Surface Science</i> , 2011 , 258, 1038-1044	6.7	25
46	Fabrication and Catalytic Properties of Palladium Nanoparticles Deposited on a Silanized Asymmetric Ceramic Support. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 4405-4411	3.9	31
45	Pretreatment of Isopropanol Solution from Pharmaceutical Industry and Pervaporation Dehydration by NaA Zeolite Membranes. <i>Chinese Journal of Chemical Engineering</i> , 2011 , 19, 904-910	3.2	31

44	Pilot study on the ceramic membrane pre-treatment for seawater desalination with reverse osmosis in Tianjin Bohai Bay. <i>Desalination</i> , 2011 , 279, 190-194	10.3	25
43	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, 3457-9	5.8	24
42	Separation of ammonium salts from coking wastewater with nanofiltration combined with diafiltration. <i>Desalination</i> , 2011 , 268, 233-237	10.3	31
41	Competitive adsorption of Hg ²⁺ , Pb ²⁺ and Co ²⁺ ions on polyacrylamide/attapulгите. <i>Desalination</i> , 2011 , 270, 269-274	10.3	57
40	Triblock polymer template assisted sol-gel process for fabrication of multi-channel TiO ₂ /ZrO ₂ ultrafiltration membrane. <i>Journal of Membrane Science</i> , 2011 , 373, 167-172	9.6	15
39	Crossflow filtration of nanosized catalysts suspension using ceramic membranes. <i>Separation and Purification Technology</i> , 2011 , 76, 223-230	8.3	35
38	Effect of initial solution apparent pH on the performance of submerged hybrid system for the p-nitrophenol hydrogenation 2011 , 26, 1580		0
37	Continuous Acetone Ammoximation over TS-1 in a Tubular Membrane Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 6309-6316	3.9	28
36	Integrated Membrane Process for the Treatment of Desulfurization Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 3337-3341	3.9	13
35	Hydrolysis of Ethyl Lactate Coupled by Vapor Permeation Using Polydimethylsiloxane/Ceramic Composite Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 11244-11249	3.9	10
34	Nanoporous metal membranes with bicontinuous morphology from recyclable block-copolymer templates. <i>Advanced Materials</i> , 2010 , 22, 2068-72	24	104
33	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	6	54
32	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> , 2010 , 156, 418-422	14.7	20
31	Clarification of raw rice wine by ceramic microfiltration membranes and membrane fouling analysis. <i>Desalination</i> , 2010 , 256, 166-173	10.3	29
30	The Fouling Mechanism of Ceramic Membranes Used for Recovering TS-1 Catalysts. <i>Chinese Journal of Chemical Engineering</i> , 2009 , 17, 53-57	3.2	7
29	Experiment and calculation of filtration processes in an external-loop airlift ceramic membrane bioreactor. <i>Chemical Engineering Science</i> , 2009 , 64, 2859-2865	4.4	13
28	Effect of initial solution apparent pH on the performance of submerged hybrid system for the p-nitrophenol hydrogenation. <i>Korean Journal of Chemical Engineering</i> , 2009 , 26, 1580-1584	2.8	1
27	Adsorption of Hg ²⁺ from aqueous solution onto polyacrylamide/attapulгите. <i>Journal of Hazardous Materials</i> , 2009 , 171, 640-6	12.8	99

26	Preparation of meso-macroporous TiO ₂ ceramic based on membrane jet-flow emulsification--influences of triblock copolymers on the processes. <i>Journal of Colloid and Interface Science</i> , 2009 , 333, 324-8	9.3	5
25	Effect of initial solution apparent pH on nano-sized nickel catalysts in p-nitrophenol hydrogenation. <i>Chemical Engineering Journal</i> , 2009 , 145, 371-376	14.7	41
24	Modeling of Cross-Flow Filtration Processes in an Airlift Ceramic Membrane Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 10637-10642	3.9	9
23	Fabrication of supported mesoporous TiO ₂ membranes: matching the assembled and interparticle pores for an improved ultrafiltration performance. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 1607-1612	9.5	29
22	Effect of Catalyst Morphology on the Performance of Submerged Nanocatalysis/Membrane Filtration System. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 6600-6607	3.9	20
21	Adding Microsized Silica Particles to the Catalysis/Ultrafiltration System: Catalyst Dissolution Inhibition and Flux Enhancement. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 4933-4938	3.9	15
20	Preparation and characterization of polyacrylamide/palygorskite. <i>Applied Clay Science</i> , 2009 , 46, 148-152	5.2	48
19	Direct preparation of macroporous mullite supports for membranes by in situ reaction sintering. <i>Journal of Membrane Science</i> , 2008 , 318, 38-44	9.6	91
18	A submerged membrane reactor for continuous phenol hydroxylation over TS-1. <i>AIChE Journal</i> , 2008 , 54, 1842-1849	3.6	36
17	Preparation of PdB/TiO ₂ amorphous alloy catalysts and their performance on liquid-phase hydrogenation of p-nitrophenol. <i>Chemical Engineering Journal</i> , 2008 , 138, 517-522	14.7	31
16	Adhesion of nanosized nickel catalysts in the nanocatalysis/UF system. <i>AIChE Journal</i> , 2007 , 53, 1204-1210	10.6	35
15	Resistance analysis for ceramic membrane microfiltration of raw soy sauce. <i>Journal of Membrane Science</i> , 2007 , 299, 122-129	9.6	55
14	Fouling and regeneration of ceramic membranes used in recovering titanium silicalite-1 catalysts. <i>Journal of Membrane Science</i> , 2007 , 301, 67-75	9.6	50
13	Preparation of Macroporous TiO ₂ Ceramic Based on Membrane Jet-flow Emulsification. <i>Chinese Journal of Chemical Engineering</i> , 2007 , 15, 616-618	3.2	6
12	Effect of Alumina Particle Size on Ni/Al ₂ O ₃ Catalysts for p-Nitrophenol Hydrogenation. <i>Chinese Journal of Chemical Engineering</i> , 2007 , 15, 884-888	3.2	28
11	The Effect of Titania Structure on Ni/TiO ₂ Catalysts for p-Nitrophenol Hydrogenation. <i>Chinese Journal of Chemical Engineering</i> , 2006 , 14, 665-669	3.2	30
10	Monodispersed W/O emulsion prepared by hydrophilic ceramic membrane emulsification. <i>Desalination</i> , 2006 , 191, 219-222	10.3	11
9	Modeling of relationship between water permeability and microstructure parameters of ceramic membranes. <i>Desalination</i> , 2006 , 192, 340-345	10.3	50

8	Effect of pH on microfiltration of Chinese herb aqueous extract by zirconia membrane. <i>Separation and Purification Technology</i> , 2006 , 50, 92-96	8.3	18
7	Effects of inorganic salt on ceramic membrane microfiltration of titanium dioxide suspension. <i>Journal of Membrane Science</i> , 2005 , 254, 81-88	9.6	29
6	Effects of inorganic electrolytes on zeta potentials of ceramic microfiltration membranes. <i>Separation and Purification Technology</i> , 2005 , 42, 117-121	8.3	40
5	Emulsions prepared by two-stage ceramic membrane jet-flow emulsification. <i>AIChE Journal</i> , 2005 , 51, 1339-1345	3.6	14
4	Treatment of titanium white waste acid using ceramic microfiltration membrane. <i>Chemical Engineering Journal</i> , 2005 , 111, 31-38	14.7	34
3	Hydraulic resistance in microfiltration of titanium white waste acid through ceramic membranes. <i>Separation and Purification Technology</i> , 2003 , 32, 99-104	8.3	12
2	Application of turbulence promoters in ceramic membrane bioreactor used for municipal wastewater reclamation. <i>Journal of Membrane Science</i> , 2002 , 210, 307-313	9.6	38
1	Pd Nanoparticles Supported on Hierarchically Porous Carbon Nanofibers as Efficient Catalysts for Phenol Hydrogenation. <i>Catalysis Letters</i> , 1	2.8	2