

# Hong Qi

## List of Publications by Year in descending order

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28  
papers

1,131  
citations

516710

16  
h-index

501196

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

836  
citing authors

#	ARTICLE	IF	CITATIONS
1	Specially Wettable Membranes for Oil/Water Separation. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800576.	3.7	212
2	Simultaneous heat and water recovery from flue gas by membrane condensation: Experimental investigation. <i>Applied Thermal Engineering</i> , 2017, 113, 843-850.	6.0	100
3	Transport membrane condenser for water and heat recovery from gaseous streams: Performance evaluation. <i>Journal of Membrane Science</i> , 2015, 484, 10-17.	8.2	97
4	Fabrication and characterization of TiO <sub>2</sub> /ZrO <sub>2</sub> ceramic membranes for nanofiltration. <i>Microporous and Mesoporous Materials</i> , 2018, 260, 125-131.	4.4	76
5	Co-sintering synthesis of tubular bilayer $\gamma$ -alumina membrane. <i>Journal of Membrane Science</i> , 2007, 288, 20-27.	8.2	66
6	Superhydrophobic-superoleophilic SiC membranes with micro-nano hierarchical structures for high-efficient water-in-oil emulsion separation. <i>Journal of Membrane Science</i> , 2020, 601, 117842.	8.2	60
7	Enhanced performance of a macroporous ceramic support for nanofiltration by using $\gamma$ -Al <sub>2</sub> O <sub>3</sub> with narrow size distribution. <i>Ceramics International</i> , 2013, 39, 2463-2471.	4.8	58
8	Multichannel Tubular Ceramic Membrane for Water and Heat Recovery from Waste Gas Streams. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 2615-2622.	3.7	54
9	Effect of Nb content on hydrothermal stability of a novel ethylene-bridged silsesquioxane molecular sieving membrane for H <sub>2</sub> /CO <sub>2</sub> separation. <i>Journal of Membrane Science</i> , 2012, 421-422, 190-200.	8.2	50
10	Hybrid Organic-Inorganic Microporous Membranes with High Hydrothermal Stability for the Separation of Carbon Dioxide. <i>ChemSusChem</i> , 2010, 3, 1375-1378.	6.8	47
11	Effect of calcination temperature on carbon dioxide separation properties of a novel microporous hybrid silica membrane. <i>Journal of Membrane Science</i> , 2011, 382, 231-237.	8.2	45
12	Hydrothermally stable Zr-doped organosilica membranes for H <sub>2</sub> /CO <sub>2</sub> separation. <i>Microporous and Mesoporous Materials</i> , 2016, 224, 277-284.	4.4	38
13	Pd-doped organosilica membrane with enhanced gas permeability and hydrothermal stability for gas separation. <i>Journal of Materials Science</i> , 2016, 51, 6275-6286.	3.7	37
14	Fabrication of a sol-gel derived microporous zirconia membrane for nanofiltration. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 62, 208-216.	2.4	35
15	Tailoring pore structures to improve the permselectivity of organosilica membranes by tuning calcination parameters. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24657-24666.	10.3	34
16	Effect of sol size on nanofiltration performance of a sol-gel derived microporous zirconia membrane. <i>Chinese Journal of Chemical Engineering</i> , 2015, 23, 31-41.	3.5	19
17	A novel strategy to enhance hydrothermal stability of Pd-doped organosilica membrane for hydrogen separation. <i>Microporous and Mesoporous Materials</i> , 2017, 253, 55-63.	4.4	16
18	Preparation of Composite Microporous Silica Membranes Using TEOS and 1, 2-Bis(triethoxysilyl)ethane as Precursors for Gas Separation. <i>Chinese Journal of Chemical Engineering</i> , 2011, 19, 404-409.	3.5	12

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19	Gas separation using sol-gel derived microporous zirconia membranes with high hydrothermal stability. Chinese Journal of Chemical Engineering, 2015, 23, 1300-1306.	3.5	12
20	Tuning sol size to optimize organosilica membranes for gas separation. Chinese Journal of Chemical Engineering, 2018, 26, 53-59.	3.5	12
21	Improving heat transfer and water recovery performance in high-moisture flue gas condensation using silicon carbide membranes. International Journal of Energy Research, 2021, 45, 10974-10988.	4.5	10
22	Negatively charged organic-inorganic hybrid silica nanofiltration membranes for lithium extraction. Chinese Journal of Chemical Engineering, 2020, 28, 749-757.	3.5	7
23	Palladium-niobium bimetallic doped organosilica membranes for H <sub>2</sub> /CO <sub>2</sub> separation. Microporous and Mesoporous Materials, 2020, 305, 110279.	4.4	7
24	Tuning the microstructure of organosilica membranes with improved gas permselectivity via the co-polymerization of 1,2-bis(triethoxysilyl)ethane and 1,2-bis(triethoxysilyl)methane. International Journal of Hydrogen Energy, 2021, 46, 17221-17230.	7.1	7
25	Wire-wrapped and helically-finned tubular ceramic membranes for enhancing water and waste heat recovery from wet flue gas. Separation and Purification Technology, 2022, 289, 120727.	7.9	6
26	Controlling pore structures of Pd-doped organosilica membranes by calcination atmosphere for gas separation. Chinese Journal of Chemical Engineering, 2019, 27, 3036-3042.	3.5	5
27	Fabrication of Pd-Nb bimetallic doped organosilica membranes by different metal doping routes for H <sub>2</sub> /CO <sub>2</sub> separation. Chinese Journal of Chemical Engineering, 2021, 36, 67-75.	3.5	5
28	Fabrication of a novel microporous membrane based on ZIF-7 doped 1,2-bis(triethoxysilyl)ethane for H <sub>2</sub> /CO <sub>2</sub> separation. Microporous and Mesoporous Materials, 2022, 331, 111674.	4.4	4