

# Shouliang Yi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1583640/publications.pdf>

Version: 2024-02-01

20  
papers

1,493  
citations

516710

16  
h-index

752698

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1997  
citing authors

#	ARTICLE	IF	CITATIONS
1	State-of-the-Art Organic- and Inorganic-Based Hollow Fiber Membranes in Liquid and Gas Applications: Looking Back and Beyond. <i>Membranes</i> , 2022, 12, 539.	3.0	22
2	Highly selective hollow fiber membranes for carbon capture via in-situ layer-by-layer surface functionalization. <i>Journal of Membrane Science</i> , 2021, 633, 119381.	8.2	16
3	Molecular design and fabrication of PIM-1/polyphosphazene blend membranes with high performance for CO <sub>2</sub> /N <sub>2</sub> separation. <i>Journal of Membrane Science</i> , 2021, 640, 119764.	8.2	20
4	Mixed Matrix Membranes from a Microporous Polymer Blend and Nanosized Metal-Organic Frameworks with Exceptional CO <sub>2</sub> /N <sub>2</sub> Separation Performance. , 2020, 2, 821-828.		27
5	Enhancing H <sub>2</sub> -permselectivity of high-flux hollow fiber membrane via in-situ layer-by-layer surface treatment. <i>Journal of Membrane Science</i> , 2020, 615, 118312.	8.2	4
6	Ultrasensitive glassy polymer membranes with unprecedented performance for energy-efficient sour gas separation. <i>Science Advances</i> , 2019, 5, eaaw5459.	10.3	106
7	Mixed matrix formulations with MOF molecular sieving for key energy-intensive separations. <i>Nature Materials</i> , 2018, 17, 283-289.	27.5	449
8	Enabling Fluorinated MOF-Based Membranes for Simultaneous Removal of H <sub>2</sub> S and CO <sub>2</sub> from Natural Gas. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14811-14816.	13.8	176
9	Enabling Fluorinated MOF-Based Membranes for Simultaneous Removal of H <sub>2</sub> S and CO <sub>2</sub> from Natural Gas. <i>Angewandte Chemie</i> , 2018, 130, 15027-15032.	2.0	17
10	Enhanced CO <sub>2</sub> /CH <sub>4</sub> Separation Performance of a Mixed Matrix Membrane Based on Tailored MOF-Polymer Formulations. <i>Advanced Science</i> , 2018, 5, 1800982.	11.2	88
11	Volatile organic compounds (VOCs) recovery from aqueous solutions via pervaporation with vinyltriethoxysilane-grafted-silicalite-1/polydimethylsiloxane mixed matrix membrane. <i>Chemical Engineering Journal</i> , 2017, 313, 1639-1646.	12.7	50
12	Separation performance of novel vinyltriethoxysilane (VTES)-g-silicalite-1/PDMS/PAN thin-film composite membrane in the recovery of bioethanol from fermentation broths by pervaporation. <i>Journal of Membrane Science</i> , 2017, 524, 132-140.	8.2	26
13	Molecularly Designed Stabilized Asymmetric Hollow Fiber Membranes for Aggressive Natural Gas Separation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13754-13758.	13.8	29
14	Molecularly Designed Stabilized Asymmetric Hollow Fiber Membranes for Aggressive Natural Gas Separation. <i>Angewandte Chemie</i> , 2016, 128, 13958-13962.	2.0	9
15	Effects of fermentation by-products and inhibitors on pervaporative recovery of biofuels from fermentation broths with novel silane modified silicalite-1/PDMS/PAN thin film composite membrane. <i>Chemical Engineering Journal</i> , 2015, 279, 547-554.	12.7	30
16	A high-performance hydroxyl-functionalized polymer of intrinsic microporosity for an environmentally attractive membrane-based approach to decontamination of sour natural gas. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22794-22806.	10.3	83
17	Novel chemical surface modification to enhance hydrophobicity of polyamide-imide (PAI) hollow fiber membranes. <i>Journal of Membrane Science</i> , 2011, 380, 241-250.	8.2	57
18	Preparation and characterization of vinyltriethoxysilane (VTES) modified silicalite-1/PDMS hybrid pervaporation membrane and its application in ethanol separation from dilute aqueous solution. <i>Journal of Membrane Science</i> , 2010, 360, 341-351.	8.2	92

#	ARTICLE	IF	CITATIONS
19	Application of response surface methodology and central composite rotatable design in optimizing the preparation conditions of vinyltriethoxysilane modified silicalite/polydimethylsiloxane hybrid pervaporation membranes. Separation and Purification Technology, 2010, 71, 252-262.	7.9	98
20	Modification of silicalite-1 by vinyltrimethoxysilane (VTMS) and preparation of silicalite-1 filled polydimethylsiloxane (PDMS) hybrid pervaporation membranes. Separation and Purification Technology, 2010, 75, 286-294.	7.9	89