

# Yibin Wei

## List of Publications by Year in descending order

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24  
papers

812  
citations

759233

12  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

950  
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	Photocatalytic self-cleaning carbon nitride nanotube intercalated reduced graphene oxide membranes for enhanced water purification. <i>Chemical Engineering Journal</i> , 2019, 356, 915-925.	12.7	174
3	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
4	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
5	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
6	Rejection of pharmaceuticals by graphene oxide membranes: Role of crosslinker and rejection mechanism. <i>Journal of Membrane Science</i> , 2020, 612, 118338.	8.2	32
7	Liquid crystal as sensing platforms for determining the effect of graphene oxide-based materials on phospholipid membranes and monitoring antibacterial activity. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 72-80.	7.8	31
8	Detection of cholesterol molecules with a liquid crystal-based pH-driven sensor. <i>Journal of Materials Science</i> , 2015, 50, 4741-4748.	3.7	29
9	Ion beam engineered graphene oxide membranes for mono-/di-valent metal ions separation. <i>Carbon</i> , 2020, 158, 598-606.	10.3	18
10	Preparation of superhydrophobic-superoleophilic ZnO nanoflower@SiC composite ceramic membranes for water-in-oil emulsion separation. <i>Separation and Purification Technology</i> , 2022, 292, 121002.	7.9	18
11	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
12	High-performance inverted two-dimensional perovskite solar cells using non-fullerene acceptor as electron transport layer. <i>Organic Electronics</i> , 2018, 62, 189-194.	2.6	13
13	Tuning sol size to optimize organosilica membranes for gas separation. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 53-59.	3.5	12
14	Visualization of cholyglycine hydrolase activities through nickel nanoparticle-assisted liquid crystal cells. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 1268-1274.	7.8	11
15	Optical imaging of cholyglycine by using liquid crystal droplet patterns on solid surfaces. <i>Journal of Materials Science</i> , 2016, 51, 2033-2040.	3.7	10
16	Precise tuning chemistry and tailoring defects of graphene oxide films by low energy ion beam irradiation. <i>Applied Surface Science</i> , 2020, 505, 144651.	6.1	10
17	Negatively charged organic-inorganic hybrid silica nanofiltration membranes for lithium extraction. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 749-757.	3.5	7
18	Palladium-niobium bimetallic doped organosilica membranes for H <sub>2</sub> /CO <sub>2</sub> separation. <i>Microporous and Mesoporous Materials</i> , 2020, 305, 110279.	4.4	7

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19	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
20	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
21	Optimization of a Liquid Crystal-based Sensory Platform for Monitoring Enzymatic Glucose Oxidation. Bulletin of the Korean Chemical Society, 2016, 37, 643-648.	1.9	4
22	Selective and direct detection of free amino acid using the optical birefringent patterns of confined nematic liquid crystals. Liquid Crystals, 0, , 1-9.	2.2	2
23	Ultrasonic-Assisted Synthesis of Two-Butoxycarbonylamino Cephalosporin Intermediates on SiO <sub>2</sub> . Journal of Chemistry, 2016, 2016, 1-6.	1.9	1
24	A new liquid crystal-based method to study disruption of phospholipid membranes by sodium deoxycholate. Liquid Crystals, 2016, , 1-9.	2.2	1