Yahui Cai

List of Publications by Year
in descending order

19	820	623734	888059
papers	citations	14 h-index	17 g-index

19	19	19	854
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Selfâ€Cleaning Heterostructured Membrane for Efficient Oilâ€inâ€Water Emulsion Separation with Stable Flux. Advanced Materials, 2020, 32, e2001265.	21.0	144
2	Nanofibrous metalâ€“organic framework composite membrane for selective efficient oil/water emulsion separation. Journal of Membrane Science, 2017, 543, 10-17.	8.2	137
3	A facile method to fabricate a double-layer stainless steel mesh for effective separation of water-in-oil emulsions with high flux. Journal of Materials Chemistry A, 2016, 4, 18815-18821.	10.3	86
4	A smart membrane with antifouling capability and switchable oil wettability for high-efficiency oil/water emulsions separation. Journal of Membrane Science, 2018, 555, 69-77.	8.2	84
5	Superhydrophobic Metalâ€“Organic Framework Membrane with Self-Repairing for High-Efficiency Oil/Water Emulsion Separation. ACS Sustainable Chemistry and Engineering, 2019, 7, 2709-2717.	6.7	64
6	Thin-Film Nanocomposite Membranes Containing Water-Stable Zirconium Metalâ€“Organic Cages for Desalination. , 2021, 3, 268-274.		44
7	Self-healing and superwettable nanofibrous membranes for efficient separation of oil-in-water emulsions. Journal of Materials Chemistry A, 2019, 7, 1629-1637.	10.3	42
8	Highly Selective and Efficient Solarâ€Lightâ€Driven CO₂ Conversion with an Ambientâ€Stable 2D/2D Co₂P@BP/gâ€C₃N₄ Heterojunction. Small, 2022, 18, e2105376.	10.0	39
9	Polycrystalline zirconium metal-organic framework membranes supported on flexible carbon cloth for organic solvent nanofiltration. Journal of Membrane Science, 2020, 615, 118551.	8.2	31
10	Polycrystalline rare-earth metal-organic framework membranes with in-situ healing ability for efficient alcohol dehydration. Journal of Membrane Science, 2020, 610, 118239.	8.2	28
11	Design, Development, and Outlook of Superwettability Membranes in Oil/Water Emulsions Separation. Advanced Materials Interfaces, 2021, 8, 2100799.	3.7	27
12	Durable, flexible, and superâ€hydrophobic wood membrane with nanopore by molecular crossâ€linking for efficient separation of stabilized water/oil emulsions. EcoMat, 2022, 4, .	11.9	22
13	A tough, anti-mildew and anti-counterfeiting soybean protein adhesive enhanced by gecko-inspired functional fiber and bio-based epoxide. Journal of Cleaner Production, 2021, 323, 129194.	9.3	17
14	Construction of BiVO4/NiCo2O4 nanosheet Z-scheme heterojunction for highly boost solar water oxidation. Journal of Colloid and Interface Science, 2022, 613, 265-275.	9.4	17
15	Thermoâ€controlled, selfâ€released smart wood tailored by nanotechnology for fast cleanâ€up ofÂhighly viscous liquids. SmartMat, 2023, 4, .	10.7	16
16	A novel strategy to immobilize bacteria on polymer particles for efficient adsorption and biodegradation of soluble organics. Nanoscale, 2017, 9, 11530-11536.	5.6	9
17	Self-Healing Graphene-Reinforced Composite for Highly Efficient Oil/Water Separation. Langmuir, 2019, 35, 13950-13957.	3.5	9
18	Self-Assembly of a Lantern-Like Zirconium Metalâ€“Organic Cage Decorated with Î¼₂-OH Functional Groups for Potential Al³⁺ Ion Detection. Crystal Growth and Design, 2021, 21, 6642-6647.	3.0	4

#	Article	IF	Citations
19	Design, Development, and Outlook of Superwettability Membranes in Oil/Water Emulsions Separation (Adv. Mater. Interfaces 18/2021). Advanced Materials Interfaces, 2021, 8, 2170102.	3.7	0