

Yahui Cai

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

820
citations

623734

14
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

854
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermo-controlled, self-released smart wood tailored by nanotechnology for fast clean-up of highly viscous liquids. <i>SmartMat</i> , 2023, 4, .	10.7	16
2	Construction of BiVO ₄ /NiCo ₂ O ₄ nanosheet Z-scheme heterojunction for highly boost solar water oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 265-275.	9.4	17
3	Highly Selective and Efficient Solar-Light-Driven CO ₂ Conversion with an Ambient-Stable 2D/2D Co ₂ @BP/g-C ₃ N ₄ Heterojunction. <i>Small</i> , 2022, 18, e2105376.	10.0	39
4	Durable, flexible, and superhydrophobic wood membrane with nanopore by molecular cross-linking for efficient separation of stabilized water/oil emulsions. <i>EcoMat</i> , 2022, 4, .	11.9	22
5	Thin-Film Nanocomposite Membranes Containing Water-Stable Zirconium Metal-Organic Cages for Desalination. , 2021, 3, 268-274.		44
6	Design, Development, and Outlook of Superwettability Membranes in Oil/Water Emulsions Separation. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100799.	3.7	27
7	Design, Development, and Outlook of Superwettability Membranes in Oil/Water Emulsions Separation (<i>Adv. Mater. Interfaces</i> 18/2021). <i>Advanced Materials Interfaces</i> , 2021, 8, 2170102.	3.7	0
8	A tough, anti-mildew and anti-counterfeiting soybean protein adhesive enhanced by gecko-inspired functional fiber and bio-based epoxide. <i>Journal of Cleaner Production</i> , 2021, 323, 129194.	9.3	17
9	Self-Assembly of a Lantern-Like Zirconium Metal-Organic Cage Decorated with 1/4 ² -OH Functional Groups for Potential Al ³⁺ Ion Detection. <i>Crystal Growth and Design</i> , 2021, 21, 6642-6647.	3.0	4
10	Polycrystalline zirconium metal-organic framework membranes supported on flexible carbon cloth for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2020, 615, 118551.	8.2	31
11	Polycrystalline rare-earth metal-organic framework membranes with in-situ healing ability for efficient alcohol dehydration. <i>Journal of Membrane Science</i> , 2020, 610, 118239.	8.2	28
12	A Self-Cleaning Heterostructured Membrane for Efficient Oil-in-Water Emulsion Separation with Stable Flux. <i>Advanced Materials</i> , 2020, 32, e2001265.	21.0	144
13	Self-Healing Graphene-Reinforced Composite for Highly Efficient Oil/Water Separation. <i>Langmuir</i> , 2019, 35, 13950-13957.	3.5	9
14	Superhydrophobic Metal-Organic Framework Membrane with Self-Repairing for High-Efficiency Oil/Water Emulsion Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2709-2717.	6.7	64
15	Self-healing and superwettable nanofibrous membranes for efficient separation of oil-in-water emulsions. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1629-1637.	10.3	42
16	A smart membrane with antifouling capability and switchable oil wettability for high-efficiency oil/water emulsions separation. <i>Journal of Membrane Science</i> , 2018, 555, 69-77.	8.2	84
17	Nanofibrous metal-organic framework composite membrane for selective efficient oil/water emulsion separation. <i>Journal of Membrane Science</i> , 2017, 543, 10-17.	8.2	137
18	A novel strategy to immobilize bacteria on polymer particles for efficient adsorption and biodegradation of soluble organics. <i>Nanoscale</i> , 2017, 9, 11530-11536.	5.6	9

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19	A facile method to fabricate a double-layer stainless steel mesh for effective separation of water-in-oil emulsions with high flux. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18815-18821.	10.3	86