Jianqiang Zhang

List of Publications by Year
in descending order

21 papers	1,408 citations	516215 16 h-index	752256 20 g-index
21 all docs	21 docs citations	21 times ranked	1614 citing authors

#	Article	IF	Citations
1	Graphene oxide/polyacrylonitrile fiber hierarchical-structured membrane for ultra-fast microfiltration of oil-water emulsion. Chemical Engineering Journal, 2017, 307, 643-649.	6.6	303
2	Antifouling hydrolyzed polyacrylonitrile/graphene oxide membrane with spindle-knotted structure for highly effective separation of oil-water emulsion. Journal of Membrane Science, 2017, 532, 38-46.	4.1	170
3	Directional pumping of water and oil microdroplets on slippery surface. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2482-2487.	3.3	119
4	High-efficiency separation performance of oil-water emulsions of polyacrylonitrile nanofibrous membrane decorated with metal-organic frameworks. Applied Surface Science, 2019, 476, 61-69.	3.1	103
5	Sprayable superhydrophobic coating with high processibility and rapid damage-healing nature. Chemical Engineering Journal, 2020, 392, 124834.	6.6	89
6	Reusable membrane with multifunctional skin layer for effective removal of insoluble emulsified oils and soluble dyes. Journal of Hazardous Materials, 2021, 415, 125677.	6.5	86
7	Chemically functionalized 3D reticular graphene oxide frameworks decorated with MOF-derived Co3O4: Towards highly sensitive and selective detection to acetone. Sensors and Actuators B: Chemical, 2018, 259, 289-298.	4.0	73
8	Great enhancement of CH4 sensitivity of SnO2 based nanofibers by heterogeneous sensitization and catalytic effect. Sensors and Actuators B: Chemical, 2018, 254, 393-401.	4.0	65
9	Emerging Applications of Bioinspired Slippery Surfaces in Biomedical Fields. Chemistry - A European Journal, 2018, 24, 14864-14877.	1.7	63
10	Inherent wettability of different rock surfaces at nanoscale: a theoretical study. Applied Surface Science, 2018, 434, 73-81.	3.1	51
11	Wetting ridge assisted programmed magnetic actuation of droplets on ferrofluid-infused surface. Nature Communications, 2021, 12, 7136.	5.8	51
12	Development of multifunctional liquid-infused materials by printing assisted functionalization on porous nanocomposites. Journal of Materials Chemistry A, 2018, 6, 4199-4208.	5.2	47
13	Dual-Cross-Linked Supramolecular Polysiloxanes for Mechanically Tunable, Damage-Healable and Oil-Repellent Polymeric Coatings. ACS Applied Materials & Interfaces, 2019, 11, 47382-47389.	4.0	44
14	Effective enhancement of gas separation performance in mixed matrix membranes using core/shell structured multi-walled carbon nanotube/graphene oxide nanoribbons. Nanotechnology, 2017, 28, 065702.	1.3	40
15	Bio-Inspired Elastic Liquid-Infused Material for On-Demand Underwater Manipulation of Air Bubbles. ACS Nano, 2019, 13, 10596-10602.	7.3	37
16	Coordinationâ€Driven Assembly of Metalâ€“Organic Framework Coating for Catalytically Active Superhydrophobic Surface. Advanced Materials Interfaces, 2021, 8, 2001202.	1.9	21
17	Multifunctional recycled wet wipe with negatively charged coating for durable separation of oil/water emulsion via interface charge demulsification. Separation and Purification Technology, 2022, 280, 119984.	3.9	16
18	Mixed Matrix Membranes with Excellent CO₂ Capture Induced by Nanoâ€Carbon Hybrids. ChemNanoMat, 2017, 3, 560-568.	1.5	12

#	Article	IF	Citations
19	Plate-barrier architecture of rGO-TiO2 derived from MXene for constructing well-aligned polymer nanocomposites with excellent dielectric performance. Composites Science and Technology, 2022, 218, 109191.	3.8	9
20	Robust modified nylon mesh for the separation of crude-oil/water emulsion based on the coupling of squeezing coalescence demulsification and sieving separation. Separation and Purification Technology, 2022, 295, 121319.	3.9	9
21	Frontispiece: Emerging Applications of Bioinspired Slippery Surfaces in Biomedical Fields. Chemistry - A European Journal, 2018, 24, .	1.7	0