Lingxiao Li

List of Publications by Year
in descending order

34 papers	2,182 citations	218592 26 h-index	360920 35 g-index
38 all docs	38 docs citations	38 times ranked	2564 citing authors

#	ARTICLE	IF	CITATIONS
1	Water harvesting from desert soil via interfacial solar heating under natural sunlight. Journal of Colloid and Interface Science, 2022, 607, 1986-1992.	5.0	7
2	Superelastic Clay/Silicone Composite Sponges and Their Applications for Oil/Water Separation and Solar Interfacial Evaporation. Langmuir, 2022, 38, 1853-1859.	1.6	13
3	Melamine/Silicone Hybrid Sponges with Controllable Microstructure and Wettability for Efficient Solar-Driven Interfacial Desalination. ACS Applied Materials & Interfaces, 2022, 14, 2360-2368.	4.0	35
4	Facile preparation of polydimethylsiloxane/carbon nanotubes modified melamine solar evaporators for efficient steam generation and desalination. Journal of Colloid and Interface Science, 2021, 584, 602-609.	5.0	63
5	Carbon nanotubes@silicone solar evaporators with controllable salt-tolerance for efficient water evaporation in a closed system. Journal of Materials Chemistry A, 2021, 9, 17502-17511.	5.2	35
6	Green plantâ€based triboelectricity system for green energy harvesting and contact warning. EcoMat, 2021, 3, e12145.	6.8	13
7	Design of a Separated Solar Interfacial Evaporation System for Simultaneous Water and Salt Collection. ACS Applied Materials & Interfaces, 2021, 13, 59518-59526.	4.0	26
8	Polydopamine and poly(dimethylsiloxane) modified superhydrophobic fiberglass membranes for efficient water-in-oil emulsions separation. Journal of Colloid and Interface Science, 2020, 559, 178-185.	5.0	37
9	A yolk@shell superhydrophobic/superhydrophilic solar evaporator for efficient and stable desalination. Journal of Materials Chemistry A, 2020, 8, 14736-14745.	5.2	61
10	Electrically Conductive Carbon Aerogels with High Salt-Resistance for Efficient Solar-Driven Interfacial Evaporation. ACS Applied Materials & Interfaces, 2020, 12, 32143-32153.	4.0	93
11	Stable cycling of Liâ€"S batteries by simultaneously suppressing Li-dendrite growth and polysulfide shuttling enabled by a bioinspired separator. Journal of Materials Chemistry A, 2020, 8, 3692-3700.	5.2	71
12	Highly transparent superamphiphobic surfaces by elaborate microstructure regulation. Journal of Colloid and Interface Science, 2019, 554, 250-259.	5.0	27
13	Environmentally benign and durable superhydrophobic coatings based on SiO2 nanoparticles and silanes. Journal of Colloid and Interface Science, 2019, 542, 8-14.	5.0	71
14	Strong, compressible, bendable and stretchable silicone sponges by solvent-controlled hydrolysis and polycondensation of silanes. Journal of Colloid and Interface Science, 2019, 540, 554-562.	5.0	37
15	A SuperLEphilic/Superhydrophobic and Thermostable Separator Based on Silicone Nanofilaments for Li Metal Batteries. IScience, 2019, 16, 420-432.	1.9	35
16	Adsorption of DNA by using polydopamine modified magnetic nanoparticles based on solid-phase extraction. Analytical Biochemistry, 2019, 579, 9-17.	1.1	32
17	Durable superhydrophobic glass wool@polydopamine@PDMS for highly efficient oil/water separation. Journal of Colloid and Interface Science, 2019, 544, 257-265.	5.0	46
18	Removal of Organic Pollutants from Water Using Superwetting Materials. Chemical Record, 2018, 18, 118-136.	2.9	61

#	Article	IF	Citations
19	Scalable Preparation of Superamphiphobic Coatings with Ultralow Sliding Angles and High Liquid Impact Resistance. ACS Applied Materials & Interfaces, 2018, 10, 41878-41882.	4.0	47
20	Green Synthesis of Ant Nest-Inspired Superelastic Silicone Aerogels. ACS Sustainable Chemistry and Engineering, 2018, 6, 11222-11227.	3.2	22
21	Pressure-Sensitive and Conductive Carbon Aerogels from Poplars Catkins for Selective Oil Absorption and Oil/Water Separation. ACS Applied Materials & Interfaces, 2017, 9, 18001-18007.	4.0	173
22	Compressible and conductive carbon aerogels from waste paper with exceptional performance for oil/water separation. Journal of Materials Chemistry A, 2017, 5, 14858-14864.	5.2	144
23	Superhydrophobic Coatings: Waterborne Nonfluorinated Superhydrophobic Coatings with Exceptional Mechanical Durability Based on Natural Nanorods (Adv. Mater. Interfaces 19/2017). Advanced Materials Interfaces, 2017, 4, .	1.9	0
24	Waterborne Nonfluorinated Superhydrophobic Coatings with Exceptional Mechanical Durability Based on Natural Nanorods. Advanced Materials Interfaces, 2017, 4, 1700723.	1.9	48
25	Durable superamphiphobic coatings repelling both cool and hot liquids based on carbon nanotubes. Journal of Colloid and Interface Science, 2017, 505, 622-630.	5.0	34
26	Roles of silanes and silicones in forming superhydrophobic and superoleophobic materials. Journal of Materials Chemistry A, 2016, 4, 13677-13725.	5.2	215
27	Superamphiphobic, Magnetic, and Elastic Silicone Sponges with Excellent Temperature Stability. Advanced Materials Interfaces, 2016, 3, 1600517.	1.9	17
28	Ultralight, compressible and multifunctional carbon aerogels based on natural tubular cellulose. Journal of Materials Chemistry A, 2016, 4, 2069-2074.	5.2	141
29	Palygorskite@Fe₃O₄@polyperfluoroalkylsilane nanocomposites for superoleophobic coatings and magnetic liquid marbles. Journal of Materials Chemistry A, 2016, 4, 5859-5868.	5.2	38
30	Dopamine-mediated fabrication of ultralight graphene aerogels with low volume shrinkage. Journal of Materials Chemistry A, 2016, 4, 512-518.	5.2	70
31	Durable superhydrophobic/superoleophilic PDMS sponges and their applications in selective oil absorption and in plugging oil leakages. Journal of Materials Chemistry A, 2014, 2, 18281-18287.	5.2	259
32	Magnetic, superhydrophobic and durable silicone sponges and their applications in removal of organic pollutants from water. Chemical Communications, 2014, 50, 7831-7833.	2.2	131
33	Solvent-controlled growth of silicone nanofilaments. RSC Advances, 2014, 4, 33424-33430.	1.7	7
34	Facile preparation of super durable superhydrophobic materials. Journal of Colloid and Interface Science, 2014, 432, 31-42.	5.0	70