

# Lingxiao Li

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Durable superhydrophobic/superoleophilic PDMS sponges and their applications in selective oil absorption and in plugging oil leakages. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18281-18287.	5.2	259
2	Roles of silanes and silicones in forming superhydrophobic and superoleophobic materials. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13677-13725.	5.2	215
3	Pressure-Sensitive and Conductive Carbon Aerogels from Poplars Catkins for Selective Oil Absorption and Oil/Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 18001-18007.	4.0	173
4	Compressible and conductive carbon aerogels from waste paper with exceptional performance for oil/water separation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14858-14864.	5.2	144
5	Ultralight, compressible and multifunctional carbon aerogels based on natural tubular cellulose. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2069-2074.	5.2	141
6	Magnetic, superhydrophobic and durable silicone sponges and their applications in removal of organic pollutants from water. <i>Chemical Communications</i> , 2014, 50, 7831-7833.	2.2	131
7	Electrically Conductive Carbon Aerogels with High Salt-Resistance for Efficient Solar-Driven Interfacial Evaporation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 32143-32153.	4.0	93
8	Environmentally benign and durable superhydrophobic coatings based on SiO <sub>2</sub> nanoparticles and silanes. <i>Journal of Colloid and Interface Science</i> , 2019, 542, 8-14.	5.0	71
9	Stable cycling of Li <sup>+</sup> S batteries by simultaneously suppressing Li-dendrite growth and polysulfide shuttling enabled by a bioinspired separator. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3692-3700.	5.2	71
10	Facile preparation of super durable superhydrophobic materials. <i>Journal of Colloid and Interface Science</i> , 2014, 432, 31-42.	5.0	70
11	Dopamine-mediated fabrication of ultralight graphene aerogels with low volume shrinkage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 512-518.	5.2	70
12	Facile preparation of polydimethylsiloxane/carbon nanotubes modified melamine solar evaporators for efficient steam generation and desalination. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 602-609.	5.0	63
13	Removal of Organic Pollutants from Water Using Superwetting Materials. <i>Chemical Record</i> , 2018, 18, 118-136.	2.9	61
14	A yolk@shell superhydrophobic/superhydrophilic solar evaporator for efficient and stable desalination. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14736-14745.	5.2	61
15	Waterborne Nonfluorinated Superhydrophobic Coatings with Exceptional Mechanical Durability Based on Natural Nanorods. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700723.	1.9	48
16	Scalable Preparation of Superamphiphobic Coatings with Ultralow Sliding Angles and High Liquid Impact Resistance. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 41878-41882.	4.0	47
17	Durable superhydrophobic glass wool@polydopamine@PDMS for highly efficient oil/water separation. <i>Journal of Colloid and Interface Science</i> , 2019, 544, 257-265.	5.0	46
18	Palygorskite@Fe <sub>3</sub> O <sub>4</sub> @polyperfluoroalkylsilane nanocomposites for superoleophobic coatings and magnetic liquid marbles. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5859-5868.	5.2	38

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19	Strong, compressible, bendable and stretchable silicone sponges by solvent-controlled hydrolysis and polycondensation of silanes. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 554-562.	5.0	37
20	Polydopamine and poly(dimethylsiloxane) modified superhydrophobic fiberglass membranes for efficient water-in-oil emulsions separation. <i>Journal of Colloid and Interface Science</i> , 2020, 559, 178-185.	5.0	37
21	A SuperLEphilic/Superhydrophobic and Thermostable Separator Based on Silicone Nanofilaments for Li Metal Batteries. <i>IScience</i> , 2019, 16, 420-432.	1.9	35
22	Carbon nanotubes@silicone solar evaporators with controllable salt-tolerance for efficient water evaporation in a closed system. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17502-17511.	5.2	35
23	Melamine/Silicone Hybrid Sponges with Controllable Microstructure and Wettability for Efficient Solar-Driven Interfacial Desalination. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 2360-2368.	4.0	35
24	Durable superamphiphobic coatings repelling both cool and hot liquids based on carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 622-630.	5.0	34
25	Adsorption of DNA by using polydopamine modified magnetic nanoparticles based on solid-phase extraction. <i>Analytical Biochemistry</i> , 2019, 579, 9-17.	1.1	32
26	Highly transparent superamphiphobic surfaces by elaborate microstructure regulation. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 250-259.	5.0	27
27	Design of a Separated Solar Interfacial Evaporation System for Simultaneous Water and Salt Collection. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 59518-59526.	4.0	26
28	Green Synthesis of Ant Nest-Inspired Superelastic Silicone Aerogels. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11222-11227.	3.2	22
29	Superamphiphobic, Magnetic, and Elastic Silicone Sponges with Excellent Temperature Stability. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600517.	1.9	17
30	Green plant-based triboelectricity system for green energy harvesting and contact warning. <i>EcoMat</i> , 2021, 3, e12145.	6.8	13
31	Superelastic Clay/Silicone Composite Sponges and Their Applications for Oil/Water Separation and Solar Interfacial Evaporation. <i>Langmuir</i> , 2022, 38, 1853-1859.	1.6	13
32	Solvent-controlled growth of silicone nanofilaments. <i>RSC Advances</i> , 2014, 4, 33424-33430.	1.7	7
33	Water harvesting from desert soil via interfacial solar heating under natural sunlight. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1986-1992.	5.0	7
34	Superhydrophobic Coatings: Waterborne Nonfluorinated Superhydrophobic Coatings with Exceptional Mechanical Durability Based on Natural Nanorods ( <i>Adv. Mater. Interfaces</i> 19/2017). <i>Advanced Materials Interfaces</i> , 2017, 4, .	1.9	0