Wei Li

List of Publications by Year
in descending order

27 papers	2,179 citations	687363 13 h-index	526287 27 g-index
28 all docs	28 docs citations	28 times ranked	3799 citing authors

#	Article	IF	Citations
1	Mesoporous materials for energy conversion and storage devices. Nature Reviews Materials, 2016, 1, .	48.7	1,031
2	Molecule Self-Assembly Synthesis of Porous Few-Layer Carbon Nitride for Highly Efficient Photoredox Catalysis. Journal of the American Chemical Society, 2019, 141, 2508-2515.	13.7	685
3	Synthesis of uniform hollow silica spheres with ordered mesoporous shells in a CO2 induced nanoemulsion. Chemical Communications, 2009, , 2365.	4.1	68
4	Utilization of waste hemicelluloses lye for superabsorbent hydrogel synthesis. International Journal of Biological Macromolecules, 2019, 132, 954-962.	7.5	46
5	Tricomponent Coassembly Approach To Synthesize Ordered Mesoporous Carbon/Silica Nanocomposites and Their Derivative Mesoporous Silicas with Dual Porosities. Chemistry of Materials, 2014, 26, 2438-2444.	6.7	41
6	Synthesis of Atomically Thin g-C₃N₄ Nanosheets via Supercritical CO₂ Doping with Single-Atom Cobalt for Photocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2021, 13, 52560-52570.	8.0	35
7	Reversible Switching of a Micelleâ€toâ€Vesicle Transition by Compressed CO₂. Chemistry - A European Journal, 2010, 16, 1296-1305.	3.3	30
8	CO2-induced micelle to vesicle transition in zwitterionicâ€“anionic surfactant systems. Physical Chemistry Chemical Physics, 2014, 16, 3640.	2.8	22
9	Temperature-induced vesicle to micelle transition in cationic/cationic mixed surfactant systems. Soft Matter, 2015, 11, 8848-8855.	2.7	21
10	Synthesis of ordered hierarchically mesoporous/microporous carbon materials via compressed CO2 for fructose-to-HMF transformation. Green Energy and Environment, 2022, 7, 1033-1044.	8.7	20
11	Dual stimuli-responsive self-assembly transition in zwitterionic/anionic surfactant systems. Soft Matter, 2015, 11, 4283-4289.	2.7	17
12	Advanced functional nanomaterials with microemulsion phase. Science China Technological Sciences, 2012, 55, 387-416.	4.0	14
13	Compressed CO₂mediated synthesis of bifunctional periodic mesoporous organosilicas with tunable porosity. Chemical Communications, 2016, 52, 9668-9671.	4.1	13
14	A facile template route to periodic mesoporous organosilicas nanospheres with tubular structure by using compressed CO2. Scientific Reports, 2017, 7, 45055.	3.3	13
15	Preparation and characterization of electrospun PLA/PU bilayer nanofibrous membranes for controlled drug release applications. Integrated Ferroelectrics, 2017, 179, 104-119.	0.7	13
16	Synthesis of multiple-shelled organosilica hollow nanospheres via a dual-template method by using compressed CO 2. Microporous and Mesoporous Materials, 2017, 247, 66-74.	4.4	12
17	General Synthesis Approach for Hierarchically Porous Materials via Reverse Microemulsion System. ACS Sustainable Chemistry and Engineering, 2019, 7, 13845-13855.	6.7	11
18	Reversible temperature-controlled gelation in mixtures of pNIPAM microgels and non-ionic polymer surfactant. Soft Matter, 2019, 15, 8578-8588.	2.7	11

#	Article	IF	Citations
19	CO2 mediated fabrication of hierarchically porous metal-organic frameworks. Microporous and Mesoporous Materials, 2019, 277, 154-162.	4.4	11
20	Trimetallic ZIFs-derived porous carbon as bifunctional electrocatalyst for rechargeable Zn-air battery. Journal of Power Sources, 2022, 542, 231723.	7.8	11
21	Investigation on the function of nonionic surfactants during compressed CO2-mediated periodic mesoporous organosilica formation. Soft Matter, 2017, 13, 5704-5713.	2.7	9
22	Gold/Periodic Mesoporous Organosilicas with Controllable Mesostructure by Using Compressed CO₂. Langmuir, 2018, 34, 3642-3653.	3.5	9
23	CO2-induced architectural transition of hierarchically porous carbon in reverse microemulsion system. Carbon, 2019, 151, 18-27.	10.3	9
24	The effect of compressed CO₂ on the self-assembly of surfactants for facile preparation of ordered mesoporous carbon materials. Soft Matter, 2017, 13, 7505-7513.	2.7	8
25	Preparation, Characterization, and Property of Chitosan/Polyethylene Oxide Electrospun Nanofibrous Membrane for Controlled Drug Release. Integrated Ferroelectrics, 2014, 151, 164-178.	0.7	7
26	CO₂-Assisted synthesis of hierarchically porous carbon as a supercapacitor electrode and dye adsorbent. Inorganic Chemistry Frontiers, 2019, 6, 1141-1151.	6.0	7
27	A Facile Route to Synthesis of Hierarchically Porous Carbon via Micelle System for Bifunctional Electrochemical Application. Frontiers in Chemistry, 2021, 9, 762103.	3.6	5