Lin Li

List of Publications by Year
in descending order

25 papers	1,496 citations	623188 14 h-index	610482 24 g-index
25 all docs	25 docs citations	25 times ranked	2351 citing authors

#	Article	IF	Citations
1	Novel Musselâ€Inspired Injectable Selfâ€Healing Hydrogel with Antiâ€Biofouling Property. Advanced Materials, 2015, 27, 1294-1299.	11.1	473
2	Mussel-inspired hydrogels for biomedical and environmental applications. Polymer Chemistry, 2015, 6, 353-358.	1.9	177
3	Injectable Self-Healing Hydrogel with Antimicrobial and Antifouling Properties. ACS Applied Materials & Interfaces, 2017, 9, 9221-9225.	4.0	145
4	Duplicating Dynamic Strain-Stiffening Behavior and Nanomechanics of Biological Tissues in a Synthetic Self-Healing Flexible Network Hydrogel. ACS Nano, 2017, 11, 11074-11081.	7.3	105
5	Mussel-inspired antifouling coatings bearing polymer loops. Chemical Communications, 2015, 51, 15780-15783.	2.2	91
6	Bio-inspired membrane with adaptable wettability for smart oil/water separation. Journal of Membrane Science, 2020, 598, 117661.	4.1	83
7	Marine mussel adhesion and bio-inspired wet adhesives. Biotribology, 2016, 5, 44-51.	0.9	76
8	Dispersed Particle Gel-Strengthened Polymer/Surfactant as a Novel Combination Flooding System for Enhanced Oil Recovery. Energy & Fuels, 2018, 32, 11317-11327.	2.5	57
9	Quantification of strain-induced damage in semi-crystalline polymers: a review. Journal of Materials Science, 2019, 54, 62-82.	1.7	47
10	Mussel-inspired superhydrophilic membrane constructed on a hydrophilic polymer network for highly efficient oil/water separation. Journal of Colloid and Interface Science, 2022, 608, 702-710.	5.0	46
11	Self-Healing and Injectable Shear Thinning Hydrogels Based on Dynamic Oxaborole-Diol Covalent Cross-Linking. ACS Biomaterials Science and Engineering, 2016, 2, 2315-2323.	2.6	42
12	Assembly of Ultralight Dual Network Graphene Aerogel with Applications for Selective Oil Absorption. Langmuir, 2020, 36, 13698-13707.	1.6	37
13	Probing the Reversible Fe³⁺â€“DOPA-Mediated Bridging Interaction in Mussel Foot Protein-1. Journal of Physical Chemistry C, 2016, 120, 21670-21677.	1.5	22
14	Novel polyhydroxy anionic surfactants with excellent water-solid interfacial wettability control capability for enhanced oil recovery. Journal of Molecular Liquids, 2021, 343, 116973.	2.3	21
15	Self-growing Hydrogel Particles with Applications for Reservoir Control: Growth Behaviors and Influencing Factors. Journal of Physical Chemistry B, 2021, 125, 9870-9878.	1.2	14
16	CO2-responsive zwitterionic copolymer for effective emulsification and facile demulsification of crude heavy oil. Journal of Molecular Liquids, 2021, 325, 115166.	2.3	12
17	Probing the effect of Young's modulus on the plugging performance of micro-nano-scale dispersed particle gels. Petroleum Science, 2022, 19, 688-696.	2.4	12
18	Biomimetic functional hydrogel particles with enhanced adhesion characteristics for applications in fracture conformance control. Journal of Industrial and Engineering Chemistry, 2022, 106, 482-491.	2.9	11

#	Article	IF	Citations
19	Lignosulfonate/diblock copolymer polyion complexes with aggregation-enhanced and pH-switchable fluorescence for information storage and encryption. International Journal of Biological Macromolecules, 2021, 187, 722-731.	3.6	6
20	Anionic surfactant based on oil-solid interfacial interaction control for efficient residual oil development. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 648, 129396.	2.3	5
21	Mussel-inspired hydrogel particles with selective adhesion characteristics for applications in reservoir fracture control. Journal of Molecular Liquids, 2022, 361, 119598.	2.3	4
22	Modelling and Design of MEMS Piezoresistive Out-of-Plane Shear and Normal Stress Sensors. Sensors, 2018, 18, 3737.	2.1	3
23	Numerical simulation of ductile fracture in polyethylene pipe with continuum damage mechanics and Gurson-Tvergaard-Needleman damage models. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2019, 233, 2455-2468.	0.7	3
24	Synthesis and Performance Evaluation of Polyhydroxy Benzene Sulfonate Oil Displacement Agent Based on Enhanced Interfacial Wettability Control. Acta Chimica Sinica, 2022, 80, 63.	0.5	3
25	Injectable Hydrogel with Ultrafast In Situ Reforming Properties. Macromolecular Materials and Engineering, 0, , 2100639.	1.7	1