

Mingrui Liao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21

papers

282

citations

10

h-index

16

g-index

23

ext. papers

457

ext. citations

6.3

avg, IF

3.8

L-index

#	Paper	IF	Citations
21	How do terminal modifications of short designed IIKK peptide amphiphiles affect their antifungal activity and biocompatibility?. <i>Journal of Colloid and Interface Science</i> , 2022 , 608, 193-206	9.3	0
20	Implications of surfactant hydrophobic chain architecture on the Surfactant-Skin lipid model interaction. <i>Journal of Colloid and Interface Science</i> , 2022 , 608, 405-415	9.3	
19	Contrasting impacts of mixed nonionic surfactant micelles on plant growth in the delivery of fungicide and herbicide.. <i>Journal of Colloid and Interface Science</i> , 2022 , 618, 78-87	9.3	1
18	How do chain lengths of acyl-l-carnitines affect their surface adsorption and solution aggregation?. <i>Journal of Colloid and Interface Science</i> , 2021 , 609, 491-491	9.3	0
17	A technical review of face mask wearing in preventing respiratory COVID-19 transmission. <i>Current Opinion in Colloid and Interface Science</i> , 2021 , 52, 101417	7.6	55
16	Structural Disruptions of the Outer Membranes of Gram-Negative Bacteria by Rationally Designed Amphiphilic Antimicrobial Peptides. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 16062-16074	9.5	5
15	Surface adsorption and solution aggregation of a novel lauroyl-l-carnitine surfactant. <i>Journal of Colloid and Interface Science</i> , 2021 , 591, 106-114	9.3	6
14	What happens when pesticides are solubilised in binary ionic/zwitterionic-nonionic mixed micelles?. <i>Journal of Colloid and Interface Science</i> , 2021 , 586, 190-199	9.3	3
13	Molecular simulations on the hydration and underwater oleophobicity of zwitterionic self-assembled monolayers. <i>AIChE Journal</i> , 2021 , 67, e17103	3.6	6
12	How does substrate hydrophobicity affect the morphological features of reconstituted wax films and their interactions with nonionic surfactant and pesticide?. <i>Journal of Colloid and Interface Science</i> , 2020 , 575, 245-253	9.3	7
11	How do Self-Assembling Antimicrobial Lipopeptides Kill Bacteria?. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 55675-55687	9.5	10
10	Aggregated Amphiphilic Antimicrobial Peptides Embedded in Bacterial Membranes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 44420-44432	9.5	14
9	Computer simulations of underwater oil adhesion of self-assembled monolayers on Au (111). <i>Molecular Simulation</i> , 2020 , 46, 713-720	2	3
8	Recent advances in short peptide self-assembly: from rational design to novel applications. <i>Current Opinion in Colloid and Interface Science</i> , 2020 , 45, 1-13	7.6	46
7	Catechol and Its Derivatives Adhesion on Graphene: Insights from Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 22965-22974	3.8	10
6	Molecular Understanding on the Underwater Oleophobicity of Self-Assembled Monolayers: Zwitterionic versus Nonionic. <i>Langmuir</i> , 2017 , 33, 1732-1741	4	31
5	One-Step Synthesis of Co ₃ O ₄ /Graphene Aerogels and Their All-Solid-State Asymmetric Supercapacitor. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 1143-1152	2.3	24

4	Catechol-cation adhesion on silica surfaces: molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 29222-29231	3.6	14
3	Computer Simulations on the Channel Membrane Formation by Nonsolvent Induced Phase Separation. <i>Macromolecular Theory and Simulations</i> , 2017 , 26, 1700027	1.5	14
2	Underwater Superoleophobicity of Pseudozwitterionic SAMs: Effects of Chain Length and Ionic Strength. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 17390-17401	3.8	16
1	Mesoscopic Structures of Poly(carboxybetaine) Block Copolymer and Poly(ethylene glycol) Block Copolymer in Solutions. <i>Langmuir</i> , 2017 , 33, 7575-7582	4	17