

Peixun Li

List of Publications by Year in descending order

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86
papers

2,102
citations

218592

26
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265120

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87
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87
docs citations

87
times ranked

2016
citing authors

#	ARTICLE	IF	CITATIONS
1	Pearling and helical nanostructures of model protocell membranes. <i>Nano Research</i> , 2022, 15, 659.	5.8	2
2	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.	5.0	7
3	Self-assembly of Quillaja saponin mixtures with different conventional synthetic surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 633, 127854.	2.3	7
4	How do chain lengths of acyl-L-carnitines affect their surface adsorption and solution aggregation?. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 491-502.	5.0	3
5	Strong synergistic interactions in zwitterionic-anionic surfactant mixtures at the air-water interface and in micelles: The role of steric and electrostatic interactions. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 297-310.	5.0	16
6	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.	5.0	6
7	An insight into the thermo-thickening behavior of wormlike micellar solutions based on ultra-long-chain surfactants. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 11112-11123.	1.3	9
8	Structural features of interfacially adsorbed acyl-L-carnitines. <i>Journal of Colloid and Interface Science</i> , 2022, , .	5.0	0
9	In-Membrane Nanostructuring of Cationic Amphiphiles Affects Their Antimicrobial Efficacy and Cytotoxicity: A Comparison Study between a De Novo Antimicrobial Lipopeptide and Traditional Biocides. <i>Langmuir</i> , 2022, 38, 6623-6637.	1.6	10
10	Small-angle neutron scattering from mixtures of long- and short-chain 3-alkyl-1-methyl imidazolium bistriflimides. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 15811-15823.	1.3	7
11	Self-assembly in escin-nonionic surfactant mixtures: From micelles to vesicles. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 305-313.	5.0	9
12	±-Sulfo alkyl ester surfactants: Impact of changing the alkyl chain length on the adsorption, mixing properties and response to electrolytes of the tetradecanoate. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 876-890.	5.0	4
13	Supramolecular architecture of a multi-component biomimetic lipid barrier formulation. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 597-612.	5.0	5
14	Surface adsorption and solution aggregation of a novel lauroyl-L-carnitine surfactant. <i>Journal of Colloid and Interface Science</i> , 2021, 591, 106-114.	5.0	12
15	Adsorption and self-assembly properties of the plant based biosurfactant, Glycyrrhizic acid. <i>Journal of Colloid and Interface Science</i> , 2021, 598, 444-454.	5.0	41
16	Multivalent counterion induced multilayer adsorption at the air-water interface in dilute Aerosol-OT solutions. <i>Journal of Colloid and Interface Science</i> , 2021, 597, 223-232.	5.0	4
17	Self-assembly in saponin/surfactant mixtures: Escin and sodium dodecylsulfate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 127019.	2.3	9
18	Self-assembly in saponin mixtures: Escin/tea, tea/glycyrrhizic acid, and escin/glycyrrhizic acid mixtures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127420.	2.3	11

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19	Synergy, competition, and the “hanging”-polymer layer: Interactions between a neutral amphiphilic “tardigrade”™ comb co-polymer with an anionic surfactant at the air-water interface. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 181-194.	5.0	17
20	How do Self-Assembling Antimicrobial Lipopeptides Kill Bacteria?. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55675-55687.	4.0	35
21	Simple Creams, Complex Structures. <i>ACS Symposium Series</i> , 2020, , 77-94.	0.5	1
22	Mixing Natural and Synthetic Surfactants: Co-Adsorption of Triterpenoid Saponins and Sodium Dodecyl Sulfate at the Air-Water Interface. <i>Langmuir</i> , 2020, 36, 5997-6006.	1.6	19
23	Antagonistic mixing in micelles of amphiphilic polyoxometalates and hexaethylene glycol monododecyl ether. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 608-618.	5.0	2
24	Revealing the Hidden Details of Nanostructure in a Pharmaceutical Cream. <i>Scientific Reports</i> , 2020, 10, 4082.	1.6	24
25	Multivalent electrolyte induced surface ordering and solution self-assembly in anionic surfactant mixtures: Sodium dodecyl sulfate and sodium diethylene glycol monododecyl sulfate. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 567-581.	5.0	9
26	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.	5.0	15
27	Surfactant/biosurfactant mixing: Adsorption of saponin/nonionic surfactant mixtures at the air-water interface. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 385-392.	5.0	27
28	The role of competitive counterion adsorption on the electrolyte induced surface ordering in methyl ester sulfonate surfactants at the air-water interface. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 154-160.	5.0	10
29	How does solubilisation of plant waxes into nonionic surfactant micelles affect pesticide release?. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 650-657.	5.0	11
30	The structure of alkyl ester sulfonate surfactant micelles: The impact of different valence electrolytes and surfactant structure on micelle growth. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 124-134.	5.0	15
31	Cryogenic viscoelastic surfactant fluids: Fabrication and application in a subzero environment. <i>Journal of Colloid and Interface Science</i> , 2019, 551, 89-100.	5.0	13
32	Multilayers formed by polyelectrolyte-surfactant and related mixtures at the air-water interface. <i>Advances in Colloid and Interface Science</i> , 2019, 269, 43-86.	7.0	27
33	Cryogenic wormlike micelles. <i>Soft Matter</i> , 2019, 15, 2511-2516.	1.2	12
34	Impact of molecular structure, headgroup and alkyl chain geometry, on the adsorption of the anionic ester sulfonate surfactants at the air-solution interface, in the presence and absence of electrolyte. <i>Journal of Colloid and Interface Science</i> , 2019, 544, 293-302.	5.0	14
35	What happens when pesticides are solubilized in nonionic surfactant micelles. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 175-182.	5.0	31
36	Structural Features of Reconstituted Cuticular Wax Films upon Interaction with Nonionic Surfactant C ₁₂ E ₆ . <i>Langmuir</i> , 2018, 34, 3395-3404.	1.6	11

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37	Blooming of Smectic Surfactant/Plasticizer Layers on Spin-Cast Poly(vinyl alcohol) Films. <i>Langmuir</i> , 2018, 34, 1410-1418.	1.6	15
38	Influence of the Surfactant Structure on Photoluminescent β -Conjugated Polymer Nanoparticles: Interfacial Properties and Protein Binding. <i>Langmuir</i> , 2018, 34, 6125-6137.	1.6	14
39	Adsorption and self-assembly in methyl ester sulfonate surfactants, their eutectic mixtures and the role of electrolyte. <i>Journal of Colloid and Interface Science</i> , 2018, 516, 456-465.	5.0	20
40	The impact of electrolyte on the adsorption of the anionic surfactant methyl ester sulfonate at the air-solution interface: Surface multilayer formation. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 231-238.	5.0	18
41	Exploring the bulk-phase structure of ionic liquid mixtures using small-angle neutron scattering. <i>Faraday Discussions</i> , 2018, 206, 265-289.	1.6	42
42	Coadsorption of a Monoclonal Antibody and Nonionic Surfactant at the SiO ₂ /Water Interface. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44257-44266.	4.0	7
43	Temperature Resistant Binary SLES/Nonionic Surfactant Mixtures at the Air/Water Interface. <i>Langmuir</i> , 2018, 34, 9442-9452.	1.6	1
44	Counterion binding alters surfactant self-assembly in deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 13952-13961.	1.3	30
45	Antibody adsorption on the surface of water studied by neutron reflection. <i>MAbs</i> , 2017, 9, 466-475.	2.6	21
46	Adsorption of Methyl Ester Sulfonate at the Air-Water Interface: Can Limitations in the Application of the Gibbs Equation be Overcome by Computer Purification?. <i>Langmuir</i> , 2017, 33, 9944-9953.	1.6	18
47	Effects of length and hydrophilicity/hydrophobicity of diamines on self-assembly of diamine/SDS gemini-like surfactants. <i>Soft Matter</i> , 2017, 13, 8980-8989.	1.2	28
48	Analysis of the Asymmetric Synergy in the Adsorption of Zwitterionic-Ionic Surfactant Mixtures at the Air-Water Interface below and above the Critical Micelle Concentration. <i>Journal of Physical Chemistry B</i> , 2016, 120, 3677-3691.	1.2	42
49	Unusual Adsorption at the Air-Water Interface of a Zwitterionic Carboxybetaine with a Large Charge Separation. <i>Langmuir</i> , 2016, 32, 3340-3347.	1.6	7
50	Anionic surfactant Biogenic amine interactions: The role of surfactant headgroup geometry. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 213-219.	5.0	3
51	Nature of the Intermicellar Interactions in Ethoxylated Polysorbate Surfactants with High Degrees of Ethoxylation. <i>Langmuir</i> , 2016, 32, 1319-1326.	1.6	9
52	Tuning Polyelectrolyte-Surfactant Interactions: Modification of Poly(ethylenimine) with Propylene Oxide and Blocks of Ethylene Oxide. <i>Langmuir</i> , 2016, 32, 1073-1081.	1.6	10
53	Surfactant and Plasticizer Segregation in Thin Poly(vinyl alcohol) Films. <i>Langmuir</i> , 2016, 32, 864-872.	1.6	24
54	Impact of biogenic amine molecular weight and structure on surfactant adsorption at the air-water interface. <i>Journal of Colloid and Interface Science</i> , 2016, 463, 199-206.	5.0	6

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55	Adsorption at Air/Water and Oil/Water Interfaces and Self-Assembly in Aqueous Solution of Ethoxylated Polysorbate Nonionic Surfactants. <i>Langmuir</i> , 2015, 31, 3003-3011.	1.6	29
56	Multivalent-Counterion-Induced Surfactant Multilayer Formation at Hydrophobic and Hydrophilic Solid/Solution Interfaces. <i>Langmuir</i> , 2015, 31, 6773-6781.	1.6	11
57	Biogenic amine Surfactant interactions at the air/water interface. <i>Journal of Colloid and Interface Science</i> , 2015, 449, 167-174.	5.0	11
58	Spontaneous Surface Self-Assembly in Protein/Surfactant Mixtures: Interactions between Hydrophobin and Ethoxylated Polysorbate Surfactants. <i>Journal of Physical Chemistry B</i> , 2014, 118, 4867-4875.	1.2	30
59	Impact of the Degree of Ethoxylation of the Ethoxylated Polysorbate Nonionic Surfactant on the Surface Self-Assembly of Hydrophobin-Ethoxylated Polysorbate Surfactant Mixtures. <i>Langmuir</i> , 2014, 30, 9741-9751.	1.6	15
60	Limitations in the Use of Surface Tension and the Gibbs Equation To Determine Surface Excesses of Cationic Surfactants. <i>Langmuir</i> , 2014, 30, 6739-6747.	1.6	75
61	Quiescent bilayers at the mica/water interface. <i>Soft Matter</i> , 2013, 9, 7028.	1.2	47
62	Application of the Gibbs Equation to the Adsorption of Nonionic Surfactants and Polymers at the Air/Water Interface: Comparison with Surface Excesses Determined Directly using Neutron Reflectivity. <i>Langmuir</i> , 2013, 29, 9324-9334.	1.6	88
63	Limitations in the Application of the Gibbs Equation to Anionic Surfactants at the Air/Water Surface: Sodium Dodecylsulfate and Sodium Dodecylmonooxyethylenesulfate Above and Below the CMC. <i>Langmuir</i> , 2013, 29, 9335-9351.	1.6	109
64	Synchrotron XRR study of soft nanofilms at the mica/water interface. <i>Soft Matter</i> , 2012, 8, 5055.	1.2	36
65	Surface Behavior, Aggregation and Phase Separation of Aqueous Mixtures of Dodecyl Trimethylammonium Bromide and Sodium Oligoarene Sulfonates: the Transition to Polyelectrolyte/Surfactant Behavior. <i>Langmuir</i> , 2012, 28, 327-338.	1.6	38
66	Adsorption of Gemini Surfactants with Partially Fluorinated Chains at Three Different Surfaces: Neutron Reflectometry Results. <i>Langmuir</i> , 2011, 27, 656-664.	1.6	5
67	Neutron Reflectometry of Quaternary Gemini Surfactants as a Function of Alkyl Chain Length: Anomalies Arising from Ion Association and Premicellar Aggregation. <i>Langmuir</i> , 2011, 27, 2575-2586.	1.6	39
68	Adsorption of Gemini Surfactants with Dodecyl Side Chains and Different Spacers, Including Partially Fluorinated Spacers, on Different Surfaces: Neutron Reflectometry Results. <i>Langmuir</i> , 2011, 27, 1844-1852.	1.6	9
69	Interaction of a Cationic Gemini Surfactant with DNA and with Sodium Poly(styrene sulphonate) at the Air/Water Interface: A Neutron Reflectometry Study. <i>Langmuir</i> , 2009, 25, 4027-4035.	1.6	36
70	Structure of Partially Fluorinated Surfactant Monolayers at the Air/Water Interface. <i>Langmuir</i> , 2009, 25, 3957-3965.	1.6	19
71	Interaction of Polymer and Surfactant at the Air/Water Interface: Poly(2-(dimethylamino)ethyl) Tj ETQq1 1 0.784314 rgBT / Overlock 19	1.6	19
72	Adsorption of DNA and Dodecyl Trimethylammonium Bromide Mixtures at the Air/Water Interface: A Neutron Reflectometry Study. <i>Langmuir</i> , 2008, 24, 1863-1872.	1.6	21

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73	Aggregation Properties of Cationic Gemini Surfactants with Partially Fluorinated Spacers in Aqueous Solution. <i>Langmuir</i> , 2006, 22, 42-45.	1.6	40
74	Solvent effect on the aggregate of fluorinated gemini surfactant at silica surface. <i>Journal of Colloid and Interface Science</i> , 2006, 304, 37-44.	5.0	12
75	Aggregation behavior of hexadecyltrimethylammonium surfactants with various counterions in aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2005, 286, 755-760.	5.0	98
76	Thermodynamics of micellization for partially fluorinated cationic gemini surfactants and related single-chain surfactants in aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2005, 287, 333-337.	5.0	24
77	Odd/Even Effect in the Chain Length on the Enthalpy of Micellization of Gemini Surfactants in Aqueous Solution. <i>Langmuir</i> , 2005, 21, 6703-6706.	1.6	40
78	Synthesis and characterization of a high oil-absorbing magnetic composite material. <i>Journal of Applied Polymer Science</i> , 2004, 93, 894-900.	1.3	64
79	Investigation of the components in RFCC gasoline affecting the accuracy of potentiometric titration by GC-MS and GC-IR. <i>Fuel Processing Technology</i> , 2004, 85, 379-390.	3.7	3
80	Micellization of Cationic Gemini Surfactants with Various Counterions and Their Interaction with DNA in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15385-15391.	1.2	86
81	Effect of the Nature of the Spacer on the Aggregation Properties of Gemini Surfactants in an Aqueous Solution. <i>Langmuir</i> , 2004, 20, 53-56.	1.6	175
82	Adsorption of Oppositely Charged Polyelectrolyte/Surfactant Mixtures. Neutron Reflection from Alkyl Trimethylammonium Bromides and Sodium Poly(styrenesulfonate) at the Air/Water Interface: The Effect of Surfactant Chain Length. <i>Langmuir</i> , 2003, 19, 3712-3719.	1.6	122
83	Vapor Pressure of the Aqueous Solution of Sodium Dodecyl Sulfate. <i>Journal of Chemical & Engineering Data</i> , 1996, 41, 285-286.	1.0	8
84	Solubility of ethane in butanol + water mixtures and a hydrophobic interaction study. <i>Journal of Solution Chemistry</i> , 1996, 25, 1281-1289.	0.6	12
85	Solubilities of Ethane in Aqueous Solutions of Sodium Dodecyl Sulfate at Elevated Pressures. <i>Journal of Colloid and Interface Science</i> , 1995, 175, 57-60.	5.0	9
86	Order-disorder transformation in liquid crystals by gas-liquid chromatography. <i>Thermochemica Acta</i> , 1990, 169, 301-310.	1.2	1