Peixun Li

List of Publications by Year in descending order

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86 papers	2,102 citations	218592 26 h-index	265120 42 g-index
87 all docs	87 docs citations	87 times ranked	2016 citing authors

#	Article	IF	Citations
1	Effect of the Nature of the Spacer on the Aggregation Properties of Gemini Surfactants in an Aqueous Solution. Langmuir, 2004, 20, 53-56.	1.6	175
2	Adsorption of Oppositely Charged Polyelectrolyte/Surfactant Mixtures. Neutron Reflection from Alkyl Trimethylammonium Bromides and Sodium Poly(styrenesulfonate) at the Air/Water Interface:Â The Effect of Surfactant Chain Length. Langmuir, 2003, 19, 3712-3719.	1.6	122
3	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. Langmuir, 2013, 29, 9335-9351.	1.6	109
4	Aggregation behavior of hexadecyltrimethylammonium surfactants with various counterions in aqueous solution. Journal of Colloid and Interface Science, 2005, 286, 755-760.	5.0	98
5	Application of the Gibbs Equation to the Adsorption of Nonionic Surfactants and Polymers at the Airâ€“Water Interface: Comparison with Surface Excesses Determined Directly using Neutron Reflectivity. Langmuir, 2013, 29, 9324-9334.	1.6	88
6	Micellization of Cationic Gemini Surfactants with Various Counterions and Their Interaction with DNA in Aqueous Solution. Journal of Physical Chemistry B, 2004, 108, 15385-15391.	1.2	86
7	Limitations in the Use of Surface Tension and the Gibbs Equation To Determine Surface Excesses of Cationic Surfactants. Langmuir, 2014, 30, 6739-6747.	1.6	75
8	Synthesis and characterization of a high oil-absorbing magnetic composite material. Journal of Applied Polymer Science, 2004, 93, 894-900.	1.3	64
9	Quiescent bilayers at the micaâ€“water interface. Soft Matter, 2013, 9, 7028.	1.2	47
10	Analysis of the Asymmetric Synergy in the Adsorption of Zwitterionicâ€“Ionic Surfactant Mixtures at the Airâ€“Water Interface below and above the Critical Micelle Concentration. Journal of Physical Chemistry B, 2016, 120, 3677-3691.	1.2	42
11	Exploring the bulk-phase structure of ionic liquid mixtures using small-angle neutron scattering. Faraday Discussions, 2018, 206, 265-289.	1.6	42
12	Adsorption and self-assembly properties of the plant based biosurfactant, Glycyrrhizic acid. Journal of Colloid and Interface Science, 2021, 598, 444-454.	5.0	41
13	Odd/Even Effect in the Chain Length on the Enthalpy of Micellization of Gemini Surfactants in Aqueous Solution. Langmuir, 2005, 21, 6703-6706.	1.6	40
14	Aggregation Properties of Cationic Gemini Surfactants with Partially Fluorinated Spacers in Aqueous Solution. Langmuir, 2006, 22, 42-45.	1.6	40
15	Neutron Reflectometry of Quaternary Gemini Surfactants as a Function of Alkyl Chain Length: Anomalies Arising from Ion Association and Premicellar Aggregation. Langmuir, 2011, 27, 2575-2586.	1.6	39
16	Surface Behavior, Aggregation and Phase Separation of Aqueous Mixtures of Dodecyl Trimethylammonium Bromide and Sodium Oligoarene Sulfonates: the Transition to Polyelectrolyte/Surfactant Behavior. Langmuir, 2012, 28, 327-338.	1.6	38
17	Interaction of a Cationic Gemini Surfactant with DNA and with Sodium Poly(styrene sulphonate) at the Air/Water Interface: A Neutron Reflectometry Study. Langmuir, 2009, 25, 4027-4035.	1.6	36
18	Synchrotron XRR study of soft nanofilms at the micaâ€“water interface. Soft Matter, 2012, 8, 5055.	1.2	36

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19	How do Self-Assembling Antimicrobial Lipopeptides Kill Bacteria?. ACS Applied Materials & Interfaces, 2020, 12, 55675-55687.	4.0	35
20	What happens when pesticides are solubilized in nonionic surfactant micelles. Journal of Colloid and Interface Science, 2019, 541, 175-182.	5.0	31
21	Spontaneous Surface Self-Assembly in Proteinâ€“Surfactant Mixtures: Interactions between Hydrophobin and Ethoxylated Polysorbate Surfactants. Journal of Physical Chemistry B, 2014, 118, 4867-4875.	1.2	30
22	Counterion binding alters surfactant self-assembly in deep eutectic solvents. Physical Chemistry Chemical Physics, 2018, 20, 13952-13961.	1.3	30
23	Adsorption at Airâ€“Water and Oilâ€“Water Interfaces and Self-Assembly in Aqueous Solution of Ethoxylated Polysorbate Nonionic Surfactants. Langmuir, 2015, 31, 3003-3011.	1.6	29
24	Effects of length and hydrophilicity/hydrophobicity of diamines on self-assembly of diamine/SDS gemini-like surfactants. Soft Matter, 2017, 13, 8980-8989.	1.2	28
25	Multilayers formed by polyelectrolyte-surfactant and related mixtures at the air-water interface. Advances in Colloid and Interface Science, 2019, 269, 43-86.	7.0	27
26	Surfactant/biosurfactant mixing: Adsorption of saponin/nonionic surfactant mixtures at the air-water interface. Journal of Colloid and Interface Science, 2020, 574, 385-392.	5.0	27
27	Thermodynamics of micellization for partially fluorinated cationic gemini surfactants and related singleâ€“chain surfactants in aqueous solution. Journal of Colloid and Interface Science, 2005, 287, 333-337.	5.0	24
28	Surfactant and Plasticizer Segregation in Thin Poly(vinyl alcohol) Films. Langmuir, 2016, 32, 864-872.	1.6	24
29	Revealing the Hidden Details of Nanostructure in a Pharmaceutical Cream. Scientific Reports, 2020, 10, 4082.	1.6	24
30	Adsorption of DNA and Dodecyl Trimethylammonium Bromide Mixtures at the Air/Water Interface:â€‰ A Neutron Reflectometry Study. Langmuir, 2008, 24, 1863-1872.	1.6	21
31	Antibody adsorption on the surface of water studied by neutron reflection. MAbs, 2017, 9, 466-475.	2.6	21
32	Adsorption and self-assembly in methyl ester sulfonate surfactants, their eutectic mixtures and the role of electrolyte. Journal of Colloid and Interface Science, 2018, 516, 456-465.	5.0	20
33	Interaction of Polymer and Surfactant at the Airâ^'Water Interface: Poly(2-(dimethylamino)ethyl) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	19
34	Structure of Partially Fluorinated Surfactant Monolayers at the Airâ^'Water Interface. Langmuir, 2009, 25, 3957-3965.	1.6	19
35	Mixing Natural and Synthetic Surfactants: Co-Adsorption of Triterpenoid Saponins and Sodium Dodecyl Sulfate at the Airâ€“Water Interface. Langmuir, 2020, 36, 5997-6006.	1.6	19
36	Adsorption of Methyl Ester Sulfonate at the Airâ€“Water Interface: Can Limitations in the Application of the Gibbs Equation be Overcome by Computer Purification?. Langmuir, 2017, 33, 9944-9953.	1.6	18

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37	The impact of electrolyte on the adsorption of the anionic surfactant methyl ester sulfonate at the air-solution interface: Surface multilayer formation. Journal of Colloid and Interface Science, 2018, 512, 231-238.	5.0	18
38	Synergy, competition, and the â€œhangingâ€•polymer layer: Interactions between a neutral amphiphilic â€˜tardigradeâ€™ comb co-polymer with an anionic surfactant at the air-water interface. Journal of Colloid and Interface Science, 2020, 561, 181-194.	5.0	17
39	Strong synergistic interactions in zwitterionicâ€“anionic surfactant mixtures at the airâ€“water interface and in micelles: The role of steric and electrostatic interactions. Journal of Colloid and Interface Science, 2022, 613, 297-310.	5.0	16
40	Impact of the Degree of Ethoxylation of the Ethoxylated Polysorbate Nonionic Surfactant on the Surface Self-Assembly of Hydrophobin-Ethoxylated Polysorbate Surfactant Mixtures. Langmuir, 2014, 30, 9741-9751.	1.6	15
41	Blooming of Smectic Surfactant/Plasticizer Layers on Spin-Cast Poly(vinyl alcohol) Films. Langmuir, 2018, 34, 1410-1418.	1.6	15
42	The structure of alkyl ester sulfonate surfactant micelles: The impact of different valence electrolytes and surfactant structure on micelle growth. Journal of Colloid and Interface Science, 2019, 557, 124-134.	5.0	15
43	How does substrate hydrophobicity affect the morphological features of reconstituted wax films and their interactions with nonionic surfactant and pesticide?. Journal of Colloid and Interface Science, 2020, 575, 245-253.	5.0	15
44	Influence of the Surfactant Structure on Photoluminescent Ï€-Conjugated Polymer Nanoparticles: Interfacial Properties and Protein Binding. Langmuir, 2018, 34, 6125-6137.	1.6	14
45	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. Journal of Colloid and Interface Science, 2019, 544, 293-302.	5.0	14
46	Cryogenic viscoelastic surfactant fluids: Fabrication and application in a subzero environment. Journal of Colloid and Interface Science, 2019, 551, 89-100.	5.0	13
47	Solubility of ethane int-butanol + water mixtures and a hydrophobic interaction study. Journal of Solution Chemistry, 1996, 25, 1281-1289.	0.6	12
48	Solvent effect on the aggregate of fluorinated gemini surfactant at silica surface. Journal of Colloid and Interface Science, 2006, 304, 37-44.	5.0	12
49	Cryogenic wormlike micelles. Soft Matter, 2019, 15, 2511-2516.	1.2	12
50	Surface adsorption and solution aggregation of a novel lauroyl-l-carnitine surfactant. Journal of Colloid and Interface Science, 2021, 591, 106-114.	5.0	12
51	Multivalent-Counterion-Induced Surfactant Multilayer Formation at Hydrophobic and Hydrophilic Solidâ€“Solution Interfaces. Langmuir, 2015, 31, 6773-6781.	1.6	11
52	Biogenic amine â€“ Surfactant interactions at the airâ€“water interface. Journal of Colloid and Interface Science, 2015, 449, 167-174.	5.0	11
53	Structural Features of Reconstituted Cuticular Wax Films upon Interaction with Nonionic Surfactant C₁₂E₆. Langmuir, 2018, 34, 3395-3404.	1.6	11
54	How does solubilisation of plant waxes into nonionic surfactant micelles affect pesticide release?. Journal of Colloid and Interface Science, 2019, 556, 650-657.	5.0	11

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55	Self-assembly in saponin mixtures: Escin/tea, tea/glycyrrhizic acid, and escin/glycyrrhizic acid mixtures. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 629, 127420.	2.3	11
56	Tuning Polyelectrolyteâ€“Surfactant Interactions: Modification of Poly(ethylenimine) with Propylene Oxide and Blocks of Ethylene Oxide. Langmuir, 2016, 32, 1073-1081.	1.6	10
57	The role of competitive counterion adsorption on the electrolyte induced surface ordering in methyl ester sulfonate surfactants at the air-water interface. Journal of Colloid and Interface Science, 2019, 533, 154-160.	5.0	10
58	In-Membrane Nanostructuring of Cationic Amphiphiles Affects Their Antimicrobial Efficacy and Cytotoxicity: A Comparison Study between a De Novo Antimicrobial Lipopeptide and Traditional Biocides. Langmuir, 2022, 38, 6623-6637.	1.6	10
59	Solubilities of Ethane in Aqueous Solutions of Sodium Dodecyl Sulfate at Elevated Pressures. Journal of Colloid and Interface Science, 1995, 175, 57-60.	5.0	9
60	Adsorption of Gemini Surfactants with Dodecyl Side Chains and Different Spacers, Including Partially Fluorinated Spacers, on Different Surfaces: Neutron Reflectometry Results. Langmuir, 2011, 27, 1844-1852.	1.6	9
61	Nature of the Intermicellar Interactions in Ethoxylated Polysorbate Surfactants with High Degrees of Ethoxylation. Langmuir, 2016, 32, 1319-1326.	1.6	9
62	Multivalent electrolyte induced surface ordering and solution self-assembly in anionic surfactant mixtures: Sodium dodecyl sulfate and sodium diethylene glycol monododecyl sulfate. Journal of Colloid and Interface Science, 2020, 565, 567-581.	5.0	9
63	Self-assembly in saponin/surfactant mixtures: Escin and sodium dodecylsulfate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 626, 127019.	2.3	9
64	An insight into the thermo-thickening behavior of wormlike micellar solutions based on ultra-long-chain surfactants. Physical Chemistry Chemical Physics, 2022, 24, 11112-11123.	1.3	9
65	Self-assembly in escin-nonionic surfactant mixtures: From micelles to vesicles. Journal of Colloid and Interface Science, 2022, 626, 305-313.	5.0	9
66	Vapor Pressure of the Aqueous Solution of Sodium Dodecyl Sulfate. Journal of Chemical & Engineering Data, 1996, 41, 285-286.	1.0	8
67	Unusual Adsorption at the Airâ€“Water Interface of a Zwitterionic Carboxybetaine with a Large Charge Separation. Langmuir, 2016, 32, 3340-3347.	1.6	7
68	Coadsorption of a Monoclonal Antibody and Nonionic Surfactant at the SiO2/Water Interface. ACS Applied Materials & Interfaces, 2018, 10, 44257-44266.	4.0	7
69	Implications of surfactant hydrophobic chain architecture on the Surfactant-Skin lipid model interaction. Journal of Colloid and Interface Science, 2022, 608, 405-415.	5.0	7
70	Self-assembly of Quillaja saponin mixtures with different conventional synthetic surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 633, 127854.	2.3	7
71	Small-angle neutron scattering from mixtures of long- and short-chain 3-alkyl-1-methyl imidazolium bistriflimides. Physical Chemistry Chemical Physics, 2022, 24, 15811-15823.	1.3	7
72	Impact of biogenic amine molecular weight and structure on surfactant adsorption at the airâ€“water interface. Journal of Colloid and Interface Science, 2016, 463, 199-206.	5.0	6

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73	Contrasting impacts of mixed nonionic surfactant micelles on plant growth in the delivery of fungicide and herbicide. Journal of Colloid and Interface Science, 2022, 618, 78-87.	5.0	6
74	Adsorption of Gemini Surfactants with Partially Fluorinated Chains at Three Different Surfaces: Neutron Reflectometry Results. Langmuir, 2011, 27, 656-664.	1.6	5
75	Supramolecular architecture of a multi-component biomimetic lipid barrier formulation. Journal of Colloid and Interface Science, 2021, 587, 597-612.	5.0	5
76	Î±-Sulfo alkyl ester surfactants: Impact of changing the alkyl chain length on the adsorption, mixing properties and response to electrolytes of the tetradecanoate. Journal of Colloid and Interface Science, 2021, 586, 876-890.	5.0	4
77	Multivalent counterion induced multilayer adsorption at the air-water interface in dilute Aerosol-OT solutions. Journal of Colloid and Interface Science, 2021, 597, 223-232.	5.0	4
78	Investigation of the components in RFCC gasoline affecting the accuracy of potentiometric titration by GC-MS and GC-IR. Fuel Processing Technology, 2004, 85, 379-390.	3.7	3
79	Anionic surfactant â€“ Biogenic amine interactions: The role of surfactant headgroup geometry. Journal of Colloid and Interface Science, 2016, 466, 213-219.	5.0	3
80	How do chain lengths of acyl-l-carnitines affect their surface adsorption and solution aggregation?. Journal of Colloid and Interface Science, 2022, 609, 491-502.	5.0	3
81	Antagonistic mixing in micelles of amphiphilic polyoxometalates and hexaethylene glycol monododecyl ether. Journal of Colloid and Interface Science, 2020, 578, 608-618.	5.0	2
82	Pearling and helical nanostructures of model protocell membranes. Nano Research, 2022, 15, 659.	5.8	2
83	Order-disorder transformation in liquid crystals by gas-liquid chromatography. Thermochimica Acta, 1990, 169, 301-310.	1.2	1
84	Temperature Resistant Binary SLES/Nonionic Surfactant Mixtures at the Air/Water Interface. Langmuir, 2018, 34, 9442-9452.	1.6	1
85	Simple Creams, Complex Structures. ACS Symposium Series, 2020, , 77-94.	0.5	1
86	Structural features of interfacially adsorbed acyl-L-carnitines. Journal of Colloid and Interface Science, 2022, , .	5.0	0