Jian R Lu

List of Publications by Year
in descending order

196	8,637	34105	60623
papers	citations	52 h-index	81 g-index

197	197	197	9237
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Implications of surfactant hydrophobic chain architecture on the Surfactant-Skin lipid model interaction. Journal of Colloid and Interface Science, 2022, 608, 405-415.	9.4	7
2	Assessing the risk of resistance to cationic biocides incorporating realism-based and biophysical approaches. Journal of Industrial Microbiology and Biotechnology, 2022, 49, .	3.0	13
3	How do terminal modifications of short designed IIKK peptide amphiphiles affect their antifungal activity and biocompatibility?. Journal of Colloid and Interface Science, 2022, 608, 193-206.	9.4	4
4	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.	9.4	3
5	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.	9.4	6
6	Structural features of interfacially adsorbed acyl-L-carnitines. Journal of Colloid and Interface Science, 2022, , .	9.4	0
7	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.	3.5	10
8	What happens when pesticides are solubilised in binary ionic/zwitterionic-nonionic mixed micelles?. Journal of Colloid and Interface Science, 2021, 586, 190-199.	9.4	11
9	Smart Textiles with Janus Wetting and Wicking Properties Fabricated by Graphene Oxide Coatings. Advanced Materials Interfaces, 2021, 8, 2001427.	3.7	30
10	Monolayer wall nanotubes self-assembled from short peptide bolaamphiphiles. Journal of Colloid and Interface Science, 2021, 583, 553-562.	9.4	23
11	A technical review of face mask wearing in preventing respiratory COVID-19 transmission. Current Opinion in Colloid and Interface Science, 2021, 52, 101417.	7.4	163
12	Structural Disruptions of the Outer Membranes of Gram-Negative Bacteria by Rationally Designed Amphiphilic Antimicrobial Peptides. ACS Applied Materials & Interfaces, 2021, 13, 16062-16074.	8.0	39
13	Unexpected Role of Achiral Glycine in Determining the Suprastructural Handedness of Peptide Nanofibrils. ACS Nano, 2021, 15, 10328-10341.	14.6	28
14	Surface adsorption and solution aggregation of a novel lauroyl-l-carnitine surfactant. Journal of Colloid and Interface Science, 2021, 591, 106-114.	9.4	12
15	Structural elucidation upon binding of antimicrobial peptides into binary mixed lipid monolayers mimicking bacterial membranes. Journal of Colloid and Interface Science, 2021, 598, 193-205.	9.4	9
16	Recent advances in short peptide self-assembly: from rational design to novel applications. Current Opinion in Colloid and Interface Science, 2020, 45, 1-13.	7.4	87
17	Rational design, properties, and applications of biosurfactants: a short review of recent advances. Current Opinion in Colloid and Interface Science, 2020, 45, 57-67.	7.4	53
18	Development of a novel inÂvitro 3D intestinal model for permeability evaluations. International Journal of Food Sciences and Nutrition, 2020, 71, 549-562.	2.8	7

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19	Interfacial Assembly Inspired by Marine Mussels and Antifouling Effects of Polypeptoids: A Neutron Reflection Study. Langmuir, 2020, 36, 12309-12318.	3.5	9
20	Ordered Nanofibers Fabricated from Hierarchical Selfâ€Assembling Processes of Designed Î±â€Helical Peptides. Small, 2020, 16, e2003945.	10.0	11
21	Surfactant-like peptides: From molecular design to controllable self-assembly with applications. Coordination Chemistry Reviews, 2020, 421, 213418.	18.8	67
22	How do Self-Assembling Antimicrobial Lipopeptides Kill Bacteria?. ACS Applied Materials & Interfaces, 2020, 12, 55675-55687.	8.0	35
23	Aggregated Amphiphilic Antimicrobial Peptides Embedded in Bacterial Membranes. ACS Applied Materials & Interfaces, 2020, 12, 44420-44432.	8.0	35
24	Recent Advances in Studying Interfacial Adsorption of Bioengineered Monoclonal Antibodies. Molecules, 2020, 25, 2047.	3.8	20
25	Ultrafast bone-like apatite formation on highly porous poly(l-lactic acid)-hydroxyapatite fibres. Materials Science and Engineering C, 2020, 116, 111168.	7.3	23
26	Effects of Conventional Surfactants on the Activity of Designed Antimicrobial Peptide. Langmuir, 2020, 36, 3531-3539.	3.5	9
27	Modulation of Antimicrobial Peptide Conformation and Aggregation by Terminal Lipidation and Surfactants. Langmuir, 2020, 36, 1737-1744.	3.5	22
28	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.	9.4	15
29	Reversible Thermoresponsive Peptideâ€“PNIPAM Hydrogels for Controlled Drug Delivery. Biomacromolecules, 2019, 20, 3601-3610.	5.4	144
30	Metal-insulator-metal diodes based on alkyltrichlorosilane self-assembled monolayers. AIP Advances, 2019, 9, 065017.	1.3	8
31	Hydrophobic Control of the Bioactivity and Cytotoxicity of de Novo-Designed Antimicrobial Peptides. ACS Applied Materials & Interfaces, 2019, 11, 34609-34620.	8.0	64
32	Interfacial Adsorption of a Monoclonal Antibody and Its Fab and Fc Fragments at the Oil/Water Interface. Langmuir, 2019, 35, 13543-13552.	3.5	12
33	How does solubilisation of plant waxes into nonionic surfactant micelles affect pesticide release?. Journal of Colloid and Interface Science, 2019, 556, 650-657.	9.4	11
34	Enzyme-Triggered Morphological Transition of Peptide Nanostructures for Tumor-Targeted Drug Delivery and Enhanced Cancer Therapy. ACS Applied Materials & Interfaces, 2019, 11, 16357-16366.	8.0	61
35	Active Modulation of States of Prestress in Self-Assembled Short Peptide Gels. Biomacromolecules, 2019, 20, 1719-1730.	5.4	11
36	Amino acid conformations control the morphological and chiral features of the self-assembled peptide nanostructures: Young investigators perspective. Journal of Colloid and Interface Science, 2019, 548, 244-254.	9.4	21

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37	Markov Chain Modeling of Surfactant Critical Micelle Concentration and Surface Composition. Langmuir, 2019, 35, 561-569.	3.5	9
38	Membrane targeting cationic antimicrobial peptides. Journal of Colloid and Interface Science, 2019, 537, 163-185.	9.4	223
39	What happens when pesticides are solubilized in nonionic surfactant micelles. Journal of Colloid and Interface Science, 2019, 541, 175-182.	9.4	31
40	Structural Features of Reconstituted Cuticular Wax Films upon Interaction with Nonionic Surfactant C₁₂E₆. Langmuir, 2018, 34, 3395-3404.	3.5	11
41	Controlling the Diameters of Nanotubes Selfâ€Assembled from Designed Peptide Bolaphiles. Small, 2018, 14, e1703216.	10.0	45
42	Determination of PMMA Residues on a Chemical-Vapor-Deposited Monolayer of Graphene by Neutron Reflection and Atomic Force Microscopy. Langmuir, 2018, 34, 1827-1833.	3.5	19
43	The effect of surfactant adsorption on surface wettability and flow resistance in slit nanopore: A molecular dynamics study. Journal of Colloid and Interface Science, 2018, 513, 379-388.	9.4	26
44	Interfacial Adsorption of Monoclonal Antibody COE-3 at the Solid/Water Interface. ACS Applied Materials & Interfaces, 2018, 10, 1306-1316.	8.0	16
45	Single-Molecule Study of Peptide Gel Dynamics Reveals States of Prestress. Langmuir, 2018, 34, 14678-14689.	3.5	7
46	Quenched Stochastic Optical Reconstruction Microscopy (qSTORM) with Graphene Oxide. Scientific Reports, 2018, 8, 16928.	3.3	4
47	Coadsorption of a Monoclonal Antibody and Nonionic Surfactant at the SiO2/Water Interface. ACS Applied Materials & Interfaces, 2018, 10, 44257-44266.	8.0	7
48	Nanoribbons self-assembled from short peptides demonstrate the formation of polar zippers between Î²-sheets. Nature Communications, 2018, 9, 5118.	12.8	89
49	Graphene Oxide-Assisted Accumulation and Layer-by-Layer Assembly of Antibacterial Peptide for Sustained Release Applications. ACS Applied Materials & Interfaces, 2018, 10, 24937-24946.	8.0	33
50	Temperature Resistant Binary SLES/Nonionic Surfactant Mixtures at the Air/Water Interface. Langmuir, 2018, 34, 9442-9452.	3.5	1
51	Membrane-lytic actions of sulphonated methyl ester surfactants and implications to bactericidal effect and cytotoxicity. Journal of Colloid and Interface Science, 2018, 531, 18-27.	9.4	25
52	Antibody adsorption on the surface of water studied by neutron reflection. MAbs, 2017, 9, 466-475.	5.2	21
53	Left or Right: How Does Amino Acid Chirality Affect the Handedness of Nanostructures Self-Assembled from Short Amphiphilic Peptides?. Journal of the American Chemical Society, 2017, 139, 4185-4194.	13.7	139
54	Influence of Conventional Surfactants on the Self-Assembly of a Bola Type Amphiphilic Peptide. Langmuir, 2017, 33, 5446-5455.	3.5	14

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55	Peptide nucleic acid-ionic self-complementary peptide conjugates: highly efficient DNA condensers with specific condensing mechanism. RSC Advances, 2017, 7, 3796-3803.	3.6	4
56	Neutron Reflection Study of Surface Adsorption of Fc, Fab, and the Whole mAb. ACS Applied Materials & Interfaces, 2017, 9, 23202-23211.	8.0	19
57	Fabrication of Patterned Thermoresponsive Microgel Strips on Cell-Adherent Background and Their Application for Cell Sheet Recovery. ACS Applied Materials & Interfaces, 2017, 9, 1255-1262.	8.0	26
58	Peptide Self-Assembled Nanostructures with Distinct Morphologies and Properties Fabricated by Molecular Design. ACS Applied Materials & Interfaces, 2017, 9, 39174-39184.	8.0	36
59	Anisotropic formation mechanism and nanomechanics for the self-assembly process of cross- Î² peptides. Chinese Physics B, 2017, 26, 128701.	1.4	1
60	Influence of Acyl Chain Saturation on the Membrane-Binding Activity of a Short Antimicrobial Peptide. ACS Omega, 2017, 2, 7482-7492.	3.5	28
61	Self-Assembly of Mesoscopic Peptide Surfactant Fibrils Investigated by STORM Super-Resolution Fluorescence Microscopy. Biomacromolecules, 2017, 18, 3481-3491.	5.4	27
62	Implications of lipid monolayer charge characteristics on their selective interactions with a short antimicrobial peptide. Colloids and Surfaces B: Biointerfaces, 2017, 150, 308-316.	5.0	41
63	Synergistic effect of bioactive lipid and condition medium on cardiac differentiation of human mesenchymal stem cells from different tissues. Cell Biochemistry and Function, 2016, 34, 163-172.	2.9	3
64	Hydrogelation of the Short Self-Assembling Peptide I₃QGK Regulated by Transglutaminase and Use for Rapid Hemostasis. ACS Applied Materials & Interfaces, 2016, 8, 17833-17841.	8.0	60
65	Amino acid side chains affect the bioactivity of designed short peptide amphiphiles. Journal of Materials Chemistry B, 2016, 4, 2359-2368.	5.8	27
66	Interplay between Intrinsic Conformational Propensities and Intermolecular Interactions in the Self-Assembly of Short Surfactant-like Peptides Composed of Leucine/Isoleucine. Langmuir, 2016, 32, 4662-4672.	3.5	13
67	Surface active complexes formed between keratin polypeptides and ionic surfactants. Journal of Colloid and Interface Science, 2016, 484, 125-134.	9.4	30
68	Self-Assembly of Magnetic Bacillus-Shaped Bilayer Vesicles in Catanionic Surfactant Solutions. Langmuir, 2016, 32, 10226-10234.	3.5	11
69	Tuning Oneâ€Dimensional Nanostructures of Bolaâ€Like Peptide Amphiphiles by Varying the Hydrophilic Amino Acids. Chemistry - A European Journal, 2016, 22, 11394-11404.	3.3	28
70	Tuning self-assembled morphology of the AÎ²(16â€“22) peptide by substitution of phenylalanine residues. Colloids and Surfaces B: Biointerfaces, 2016, 147, 116-123.	5.0	13
71	Interfacial Adsorption of Silk Fibroin Peptides and Their Interaction with Surfactants at the Solidâ€“Water Interface. Langmuir, 2016, 32, 8202-8211.	3.5	11
72	Surface Physical Activity and Hydrophobicity of Designed Helical Peptide Amphiphiles Control Their Bioactivity and Cell Selectivity. ACS Applied Materials & Interfaces, 2016, 8, 26501-26510.	8.0	47

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73	Structural features of reconstituted wheat wax films. Journal of the Royal Society Interface, 2016, 13, 20160396.	3.4	15
74	Unusual surface and solution behaviour of keratin polypeptides. RSC Advances, 2016, 6, 105192-105201.	3.6	4
75	Enzymatic Regulation of Self-Assembling Peptide A₉K₂ Nanostructures and Hydrogelation with Highly Selective Antibacterial Activities. ACS Applied Materials & Interfaces, 2016, 8, 15093-15102.	8.0	83
76	Patterned Thermoresponsive Microgel Surfaces to Control Cell Detachment. Biomacromolecules, 2016, 17, 572-579.	5.4	14
77	Different nanostructures caused by competition of intra- and inter- Î² -sheet interactions in hierarchical self-assembly of short peptides. Journal of Colloid and Interface Science, 2016, 464, 219-228.	9.4	42
78	Virus-like supramolecular assemblies formed by cooperation of base pairing interaction and peptidic association. Science China Chemistry, 2016, 59, 310-315.	8.2	5
79	Direct exfoliation of graphite into graphene in aqueous solutions of amphiphilic peptides. Journal of Materials Chemistry B, 2016, 4, 152-161.	5.8	40
80	Structural Features of Micelles of Zwitterionic Dodecyl-phosphocholine (C12PC) Surfactants Studied by Small-Angle Neutron Scattering. Langmuir, 2015, 31, 9781-9789.	3.5	25
81	Copper(II)â€Mediated Selfâ€Assembly of Hairpin Peptides and Templated Synthesis of CuS Nanowires. Chemistry - an Asian Journal, 2015, 10, 1953-1958.	3.3	22
82	Self-assembly of amphiphilic peptides: Effects of the single-chain-to-gemini structural transition and the side chain groups. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 469, 263-270.	4.7	16
83	Self-assembly and nanoaggregation of a pH responsive DNA hybrid amphiphile. Soft Matter, 2015, 11, 1748-1754.	2.7	14
84	High Selective Performance of Designed Antibacterial and Anticancer Peptide Amphiphiles. ACS Applied Materials & Interfaces, 2015, 7, 17346-17355.	8.0	77
85	Co-adsorption of peptide amphiphile V₆K and conventional surfactants SDS and C₁₂TAB at the solid/water interface. Soft Matter, 2015, 11, 7986-7994.	2.7	8
86	Solvent Controlled Structural Transition of KI₄K Self-Assemblies: from Nanotubes to Nanofibrils. Langmuir, 2015, 31, 12975-12983.	3.5	59
87	Molecular mechanisms of anticancer action and cell selectivity ofÂshort Î±-helical peptides. Biomaterials, 2014, 35, 1552-1561.	11.4	88
88	Influence of Molecular Structure on the Size, Shape, and Nanostructure of Nonionic C_nE_m Surfactant Micelles. Journal of Physical Chemistry B, 2014, 118, 179-188.	2.6	35
89	Label-free detection of human prostate-specific antigen (hPSA) using film bulk acoustic resonators (FBARs). Sensors and Actuators B: Chemical, 2014, 190, 946-953.	7.8	34
90	Strategies for enhancing fermentative production of acetoin: A review. Biotechnology Advances, 2014, 32, 492-503.	11.7	199

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91	Interfacial Structure of Immobilized Antibodies and Perdeuterated HSA in Model Pregnancy Tests Measured with Neutron Reflectivity. Langmuir, 2014, 30, 5880-5887.	3.5	8
92	Molecular Origin of the Self-Assembled Morphological Difference Caused by Varying the Order of Charged Residues in Short Peptides. Journal of Physical Chemistry B, 2014, 118, 12501-12510.	2.6	24
93	Surface properties of nucleolipids and photo-controlled release of hydrophobic guest molecules from their micellar aggregates. Soft Matter, 2014, 10, 7218.	2.7	1
94	Cyclic arginylâ€“glycylâ€“aspartic acid (RGD) peptide-induced synthesis of uniform and stable one-dimensional CdTe nanostructures in aqueous solution. RSC Advances, 2014, 4, 11794.	3.6	2
95	Self-Assembled Two-Dimensional Thermoresponsive Microgel Arrays for Cell Growth/Detachment Control. Biomacromolecules, 2014, 15, 4021-4031.	5.4	20
96	High Cell Selectivity and Low-Level Antibacterial Resistance of Designed Amphiphilic Peptide G(IIKK)₃I-NH<sub>2</. ACS Applied Materials & Interfaces, 2014, 6, 16529-16536.	8.0	57
97	Tuning Gelation Kinetics and Mechanical Rigidity of Î²-Hairpin Peptide Hydrogels via Hydrophobic Amino Acid Substitutions. ACS Applied Materials & Interfaces, 2014, 6, 14360-14368.	8.0	56
98	Controlled silica deposition on self-assembled peptide nanostructures via varying molecular structures of short amphiphilic peptides. Soft Matter, 2014, 10, 7623-7629.	2.7	14
99	Generation of Acetoin and Its Derivatives in Foods. Journal of Agricultural and Food Chemistry, 2014, 62, 6487-6497.	5.2	89
100	Stress fermentation strategies for the production of hyperthermostable superoxide dismutase from Thermus thermophilus HB27: effects of ions. Extremophiles, 2013, 17, 995-1002.	2.3	10
101	Crystal Growth of Calcite Mediated by Ovalbumin and Lysozyme: Atomic Force Microscopy Study. Crystal Growth and Design, 2013, 13, 1583-1589.	3.0	12
102	Interfacial assembly of lipopeptide surfactants on octyltrimethoxysilane-modified silica surface. Soft Matter, 2013, 9, 9684-9691.	2.7	10
103	The structure and mass of heterogeneous thin films measured with dual polarization interferometry and ellipsometry. RSC Advances, 2013, 3, 3316.	3.6	15
104	Dual modes of antitumor action of an amphiphilic peptide A9K. Biomaterials, 2013, 34, 2731-2737.	11.4	43
105	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.	3.5	88
106	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.	3.5	109
107	Controlled Release of Hydrophilic Guest Molecules from Photoresponsive Nucleolipid Vesicles. ACS Applied Materials & Interfaces, 2013, 5, 6232-6236.	8.0	16
108	Thermoresponsive Microgel Films for Harvesting Cells and Cell Sheets. Biomacromolecules, 2013, 14, 3615-3625.	5.4	47

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109	Tuning the Self-Assembly of Short Peptides via Sequence Variations. Langmuir, 2013, 29, 13457-13464.	3.5	132
110	Improving genetic immobilization of a cellulase on yeast cell surface for bioethanol production using cellulose. Journal of Basic Microbiology, 2013, 53, 381-389.	3.3	12
111	A Novel Alkaliphilic Bacillus Esterase Belongs to the 13th Bacterial Lipolytic Enzyme Family. PLoS ONE, 2013, 8, e60645.	2.5	64
112	Interfacial recognition of human prostate-specific antigen by immobilized monoclonal antibody: effects of solution conditions and surface chemistry. Journal of the Royal Society Interface, 2012, 9, 2457-2467.	3.4	49
113	Designed Short RGD Peptides for One-Pot Aqueous Synthesis of Integrin-Binding CdTe and CdZnTe Quantum Dots. ACS Applied Materials & Interfaces, 2012, 4, 6362-6370.	8.0	34
114	Interfacial adsorption of cationic peptideamphiphiles: a combined study of in situspectroscopic ellipsometry and liquid AFM. Soft Matter, 2012, 8, 645-652.	2.7	23
115	Interfacial structure and history dependent activity of immobilised antibodies in model pregnancy tests. Soft Matter, 2012, 8, 9847.	2.7	9
116	Controllable Stabilization of Poly(N-isopropylacrylamide)-Based Microgel Films through Biomimetic Mineralization of Calcium Carbonate. Biomacromolecules, 2012, 13, 2299-2308.	5.4	28
117	Dissolution of the Calcite (104) Face under Specific Calciteâ€“Aspartic Acid Interaction As Revealed by in Situ Atomic Force Microscopy. Crystal Growth and Design, 2012, 12, 2594-2601.	3.0	13
118	Redox modulated hydrogelation of a self-assembling short peptide amphiphile. Science Bulletin, 2012, 57, 4296-4303.	1.7	14
119	Molecular mechanisms of antibacterial and antitumor actions of designed surfactant-like peptides. Biomaterials, 2012, 33, 592-603.	11.4	84
120	Protein functionalized ZnO thin film bulk acoustic resonator as an odorant biosensor. Sensors and Actuators B: Chemical, 2012, 163, 242-246.	7.8	35
121	Measurement of the thickness of ultra-thin adsorbed globular protein layers with dual-polarisation interferometry: a comparison with neutron reflectivity. Soft Matter, 2011, 7, 7223.	2.7	15
122	Interfacial adsorption of lipopeptidesurfactants at the silica/water interface studied by neutron reflection. Soft Matter, 2011, 7, 1777-1788.	2.7	17
123	Degradation of fungicide carbendazim in aqueous solution by sonolytic ozonation. , 2011, , .		2
124	Self-Assembly of Short AÎ²(16â€“22) Peptides: Effect of Terminal Capping and the Role of Electrostatic Interaction. Langmuir, 2011, 27, 2723-2730.	3.5	108
125	Fibronectin Conformation Switch Induced by Coadsorption with Human Serum Albumin. Langmuir, 2011, 27, 312-319.	3.5	28
126	Molecular Modulation of Calcite Dissolution by Organic Acids. Crystal Growth and Design, 2011, 11, 3153-3162.	3.0	30

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127	Dynamic Adsorption and Structure of Interfacial Bilayers Adsorbed from Lipopeptide Surfactants at the Hydrophilic Silicon/Water Interface: Effect of the Headgroup Length. Langmuir, 2011, 27, 8798-8809.	3.5	14
128	Effects of Anions on Nanostructuring of Cationic Amphiphilic Peptides. Journal of Physical Chemistry B, 2011, 115, 11862-11871.	2.6	20
129	Designed Antimicrobial and Antitumor Peptides with High Selectivity. Biomacromolecules, 2011, 12, 3839-3843.	5.4	113
130	Mechanistic Processes Underlying Biomimetic Synthesis of Silica Nanotubes from Self-Assembled Ultrashort Peptide Templates. Chemistry of Materials, 2011, 23, 2466-2474.	6.7	66
131	Interfacial Immobilization of Monoclonal Antibody and Detection of Human Prostate-Specific Antigen. Langmuir, 2011, 27, 7654-7662.	3.5	70
132	Selfâ€Assembly of Short Peptide Amphiphiles: The Cooperative Effect of Hydrophobic Interaction and Hydrogen Bonding. Chemistry - A European Journal, 2011, 17, 13095-13102.	3.3	144
133	Twisted Nanotubes Formed from Ultrashort Amphiphilic Peptide I₃K and Their Templating for the Fabrication of Silica Nanotubes. Chemistry of Materials, 2010, 22, 5165-5173.	6.7	110
134	Surface structural conformations of fibrinogen polypeptides for improved biocompatibility. Biomaterials, 2010, 31, 3781-3792.	11.4	40
135	Interfacial Dynamic Adsorption and Structure of Molecular Layers of Peptide Surfactants. Langmuir, 2010, 26, 5690-5696.	3.5	36
136	Molecular self-assembly and applications of designer peptide amphiphiles. Chemical Society Reviews, 2010, 39, 3480.	38.1	599
137	Influence of Ovalbumin on CaCO₃Precipitation duringin VitroBiomineralization. Journal of Physical Chemistry B, 2010, 114, 5301-5308.	2.6	50
138	Optical Extinction Combined with Phase Measurements for Probing DNAâ"Small-Molecule Interactions Using an Evanescent Waveguide Biosensor. Analytical Chemistry, 2010, 82, 5455-5462.	6.5	16
139	Antibacterial Activities of Short Designer Peptides: a Link between Propensity for Nanostructuring and Capacity for Membrane Destabilization. Biomacromolecules, 2010, 11, 402-411.	5.4	182
140	Thermoresponsive Copolymer Nanofilms for Controlling Cell Adhesion, Growth, and Detachment. Langmuir, 2010, 26, 17304-17314.	3.5	33
141	Molecular biophysics underlying gene delivery. Annual Reports on the Progress of Chemistry Section C, 2010, 106, 305.	4.4	2
142	Acetoin Catabolism and Acetylbutanediol Formation by Bacillus pumilus in a Chemically Defined Medium. PLoS ONE, 2009, 4, e5627.	2.5	30
143	Interfacial assembly of proteins and peptides: recent examples studied by neutron reflection. Journal of the Royal Society Interface, 2009, 6, S659-70.	3.4	41
144	Lysozyme mediated calcium carbonate mineralization. Journal of Colloid and Interface Science, 2009, 332, 96-103.	9.4	63

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145	Hydrophobic-Region-Induced Transitions in Self-Assembled Peptide Nanostructures. Langmuir, 2009, 25, 4115-4123.	3.5	137
146	Multiple path length dual polarization interferometry. Optics Express, 2009, 17, 10959.	3.4	22
147	Ranaspumin-2: Structure and Function of a Surfactant Protein from the Foam Nests of a Tropical Frog. Biophysical Journal, 2009, 96, 4984-4992.	0.5	47
148	Controlled delivery of antisense oligonucleotides: a brief review of current strategies. Expert Opinion on Drug Delivery, 2009, 6, 673-686.	5.0	73
149	Role of Ovalbumin in the Stabilization of Metastable Vaterite in Calcium Carbonate Biomineralization. Journal of Physical Chemistry B, 2009, 113, 8975-8982.	2.6	72
150	Interfacial assembly of cationic peptide surfactants. Soft Matter, 2009, 5, 1630.	2.7	28
151	Dynamic self-assembly of surfactant-like peptides A6K and A9K. Soft Matter, 2009, 5, 3870.	2.7	59
152	Latherin: A Surfactant Protein of Horse Sweat and Saliva. PLoS ONE, 2009, 4, e5726.	2.5	66
153	Solution Behavior and Activity of a Halophilic Esterase under High Salt Concentration. PLoS ONE, 2009, 4, e6980.	2.5	51
154	Dynamic adsorption of monoclonal antibody layers on hydrophilic silica surface: A combined study by spectroscopic ellipsometry and AFM. Journal of Colloid and Interface Science, 2008, 323, 18-25.	9.4	58
155	Recent development of peptide self-assembly. Progress in Natural Science: Materials International, 2008, 18, 653-660.	4.4	74
156	Intracellular Microrheology of Motile Amoeba proteus. Biophysical Journal, 2008, 94, 3313-3322.	0.5	58
157	Interfacial Adsorption of Antifreeze Proteins: A Neutron Reflection Study. Biophysical Journal, 2008, 94, 4405-4413.	0.5	16
158	Interfacial adsorption and denaturization of human milk and recombinant rice lactoferrin. Biointerphases, 2008, 3, FB36-FB43.	1.6	14
159	Cationic Copolymer-Mediated DNA Immobilization: Interfacial Structure and Composition As Determined by Ellipsometry, Dual Polarization Interferometry, and Neutron Reflection. Langmuir, 2008, 24, 13556-13564.	3.5	35
160	Thermal fluctuations of fibrin fibres at short time scales. Soft Matter, 2008, 4, 1438.	2.7	20
161	Plasmid DNA Complexation with Phosphorylcholine Diblock Copolymers and Its Effect on Cell Transfection. Langmuir, 2008, 24, 6881-6888.	3.5	20
162	Precise particle tracking against a complicated background: polynomial fitting with Gaussian weight. Physical Biology, 2007, 4, 220-227.	1.8	164

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163	Relationship between the Structural Conformation of Monoclonal Antibody Layers and Antigen Binding Capacity. Biomacromolecules, 2007, 8, 2422-2428.	5.4	25
164	Nanostructure of Polyplexes Formed between Cationic Diblock Copolymer and Antisense Oligodeoxynucleotide and Its Influence on Cell Transfection Efficiency. Biomacromolecules, 2007, 8, 3493-3502.	5.4	26
165	Enzyme aggregation in ionic liquids studied by dynamic light scattering and small angle neutron scattering. Green Chemistry, 2007, 9, 859.	9.0	51
166	Coadsorption of Human Milk Lactoferrin into the Dipalmitoylglycerolphosphatidylcholine Phospholipid Monolayer Spread at the Air/Water Interface. Biophysical Journal, 2007, 92, 1254-1262.	0.5	23
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