

# Jian R Lu

## List of Publications by Year in descending order

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196  
papers

8,637  
citations

39113

52  
h-index

68831

81  
g-index

197  
all docs

197  
docs citations

197  
times ranked

10402  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Assessing the risk of resistance to cationic biocides incorporating realism-based and biophysical approaches. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2022, 49, .	1.4	13
3	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.	5.0	4
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	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
6	Structural features of interfacially adsorbed acyl-L-carnitines. <i>Journal of Colloid and Interface Science</i> , 2022, , .	5.0	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. <i>Langmuir</i> , 2022, 38, 6623-6637.	1.6	10
8	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.	5.0	11
9	Smart Textiles with Janus Wetting and Wicking Properties Fabricated by Graphene Oxide Coatings. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001427.	1.9	30
10	Monolayer wall nanotubes self-assembled from short peptide bolaamphiphiles. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 553-562.	5.0	23
11	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.	3.4	163
12	Structural Disruptions of the Outer Membranes of Gram-Negative Bacteria by Rationally Designed Amphiphilic Antimicrobial Peptides. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 16062-16074.	4.0	39
13	Unexpected Role of Achiral Glycine in Determining the Suprastructural Handedness of Peptide Nanofibrils. <i>ACS Nano</i> , 2021, 15, 10328-10341.	7.3	28
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	Structural elucidation upon binding of antimicrobial peptides into binary mixed lipid monolayers mimicking bacterial membranes. <i>Journal of Colloid and Interface Science</i> , 2021, 598, 193-205.	5.0	9
16	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.	3.4	87
17	Rational design, properties, and applications of biosurfactants: a short review of recent advances. <i>Current Opinion in Colloid and Interface Science</i> , 2020, 45, 57-67.	3.4	53
18	Development of a novel <i>in vitro</i> 3D intestinal model for permeability evaluations. <i>International Journal of Food Sciences and Nutrition</i> , 2020, 71, 549-562.	1.3	7

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19	Interfacial Assembly Inspired by Marine Mussels and Antifouling Effects of Polypeptoids: A Neutron Reflection Study. <i>Langmuir</i> , 2020, 36, 12309-12318.	1.6	9
20	Ordered Nanofibers Fabricated from Hierarchical Self-Assembling Processes of Designed $\alpha$ -Helical Peptides. <i>Small</i> , 2020, 16, e2003945.	5.2	11
21	Surfactant-like peptides: From molecular design to controllable self-assembly with applications. <i>Coordination Chemistry Reviews</i> , 2020, 421, 213418.	9.5	67
22	How do Self-Assembling Antimicrobial Lipopeptides Kill Bacteria?. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 55675-55687.	4.0	35
23	Aggregated Amphiphilic Antimicrobial Peptides Embedded in Bacterial Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 44420-44432.	4.0	35
24	Recent Advances in Studying Interfacial Adsorption of Bioengineered Monoclonal Antibodies. <i>Molecules</i> , 2020, 25, 2047.	1.7	20
25	Ultrafast bone-like apatite formation on highly porous poly(L-lactic acid)-hydroxyapatite fibres. <i>Materials Science and Engineering C</i> , 2020, 116, 111168.	3.8	23
26	Effects of Conventional Surfactants on the Activity of Designed Antimicrobial Peptide. <i>Langmuir</i> , 2020, 36, 3531-3539.	1.6	9
27	Modulation of Antimicrobial Peptide Conformation and Aggregation by Terminal Lipidation and Surfactants. <i>Langmuir</i> , 2020, 36, 1737-1744.	1.6	22
28	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
29	Reversible Thermoresponsive Peptide- $\alpha$ -PNIPAM Hydrogels for Controlled Drug Delivery. <i>Biomacromolecules</i> , 2019, 20, 3601-3610.	2.6	144
30	Metal-insulator-metal diodes based on alkyltrichlorosilane self-assembled monolayers. <i>AIP Advances</i> , 2019, 9, 065017.	0.6	8
31	Hydrophobic Control of the Bioactivity and Cytotoxicity of de Novo-Designed Antimicrobial Peptides. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 34609-34620.	4.0	64
32	Interfacial Adsorption of a Monoclonal Antibody and Its Fab and Fc Fragments at the Oil/Water Interface. <i>Langmuir</i> , 2019, 35, 13543-13552.	1.6	12
33	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
34	Enzyme-Triggered Morphological Transition of Peptide Nanostructures for Tumor-Targeted Drug Delivery and Enhanced Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 16357-16366.	4.0	61
35	Active Modulation of States of Prestress in Self-Assembled Short Peptide Gels. <i>Biomacromolecules</i> , 2019, 20, 1719-1730.	2.6	11
36	Amino acid conformations control the morphological and chiral features of the self-assembled peptide nanostructures: Young investigators perspective. <i>Journal of Colloid and Interface Science</i> , 2019, 548, 244-254.	5.0	21

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37	Markov Chain Modeling of Surfactant Critical Micelle Concentration and Surface Composition. <i>Langmuir</i> , 2019, 35, 561-569.	1.6	9
38	Membrane targeting cationic antimicrobial peptides. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 163-185.	5.0	223
39	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
40	Structural Features of Reconstituted Cuticular Wax Films upon Interaction with Nonionic Surfactant C <sub>12</sub> E <sub>6</sub> . <i>Langmuir</i> , 2018, 34, 3395-3404.	1.6	11
41	Controlling the Diameters of Nanotubes Self-Assembled from Designed Peptide Bolaphiles. <i>Small</i> , 2018, 14, e1703216.	5.2	45
42	Determination of PMMA Residues on a Chemical-Vapor-Deposited Monolayer of Graphene by Neutron Reflection and Atomic Force Microscopy. <i>Langmuir</i> , 2018, 34, 1827-1833.	1.6	19
43	The effect of surfactant adsorption on surface wettability and flow resistance in slit nanopore: A molecular dynamics study. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 379-388.	5.0	26
44	Interfacial Adsorption of Monoclonal Antibody COE-3 at the Solid/Water Interface. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 1306-1316.	4.0	16
45	Single-Molecule Study of Peptide Gel Dynamics Reveals States of Prestress. <i>Langmuir</i> , 2018, 34, 14678-14689.	1.6	7
46	Quenched Stochastic Optical Reconstruction Microscopy (qSTORM) with Graphene Oxide. <i>Scientific Reports</i> , 2018, 8, 16928.	1.6	4
47	Coadsorption of a Monoclonal Antibody and Nonionic Surfactant at the SiO <sub>2</sub> /Water Interface. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 44257-44266.	4.0	7
48	Nanoribbons self-assembled from short peptides demonstrate the formation of polar zippers between $\beta$ -sheets. <i>Nature Communications</i> , 2018, 9, 5118.	5.8	89
49	Graphene Oxide-Assisted Accumulation and Layer-by-Layer Assembly of Antibacterial Peptide for Sustained Release Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 24937-24946.	4.0	33
50	Temperature Resistant Binary SLES/Nonionic Surfactant Mixtures at the Air/Water Interface. <i>Langmuir</i> , 2018, 34, 9442-9452.	1.6	1
51	Membrane-lytic actions of sulphonated methyl ester surfactants and implications to bactericidal effect and cytotoxicity. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 18-27.	5.0	25
52	Antibody adsorption on the surface of water studied by neutron reflection. <i>MAbs</i> , 2017, 9, 466-475.	2.6	21
53	Left or Right: How Does Amino Acid Chirality Affect the Handedness of Nanostructures Self-Assembled from Short Amphiphilic Peptides?. <i>Journal of the American Chemical Society</i> , 2017, 139, 4185-4194.	6.6	139
54	Influence of Conventional Surfactants on the Self-Assembly of a Bola Type Amphiphilic Peptide. <i>Langmuir</i> , 2017, 33, 5446-5455.	1.6	14

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55	Peptide nucleic acid-ionic self-complementary peptide conjugates: highly efficient DNA condensers with specific condensing mechanism. <i>RSC Advances</i> , 2017, 7, 3796-3803.	1.7	4
56	Neutron Reflection Study of Surface Adsorption of Fc, Fab, and the Whole mAb. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 23202-23211.	4.0	19
57	Fabrication of Patterned Thermoresponsive Microgel Strips on Cell-Adherent Background and Their Application for Cell Sheet Recovery. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 1255-1262.	4.0	26
58	Peptide Self-Assembled Nanostructures with Distinct Morphologies and Properties Fabricated by Molecular Design. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39174-39184.	4.0	36
59	Anisotropic formation mechanism and nanomechanics for the self-assembly process of cross-linked peptides. <i>Chinese Physics B</i> , 2017, 26, 128701.	0.7	1
60	Influence of Acyl Chain Saturation on the Membrane-Binding Activity of a Short Antimicrobial Peptide. <i>ACS Omega</i> , 2017, 2, 7482-7492.	1.6	28
61	Self-Assembly of Mesoscopic Peptide Surfactant Fibrils Investigated by STORM Super-Resolution Fluorescence Microscopy. <i>Biomacromolecules</i> , 2017, 18, 3481-3491.	2.6	27
62	Implications of lipid monolayer charge characteristics on their selective interactions with a short antimicrobial peptide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 150, 308-316.	2.5	41
63	Synergistic effect of bioactive lipid and condition medium on cardiac differentiation of human mesenchymal stem cells from different tissues. <i>Cell Biochemistry and Function</i> , 2016, 34, 163-172.	1.4	3
64	Hydrogelation of the Short Self-Assembling Peptide I <sub>3</sub> QK Regulated by Transglutaminase and Use for Rapid Hemostasis. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 17833-17841.	4.0	60
65	Amino acid side chains affect the bioactivity of designed short peptide amphiphiles. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2359-2368.	2.9	27
66	Interplay between Intrinsic Conformational Propensities and Intermolecular Interactions in the Self-Assembly of Short Surfactant-like Peptides Composed of Leucine/Isoleucine. <i>Langmuir</i> , 2016, 32, 4662-4672.	1.6	13
67	Surface active complexes formed between keratin polypeptides and ionic surfactants. <i>Journal of Colloid and Interface Science</i> , 2016, 484, 125-134.	5.0	30
68	Self-Assembly of Magnetic Bacillus-Shaped Bilayer Vesicles in Catanionic Surfactant Solutions. <i>Langmuir</i> , 2016, 32, 10226-10234.	1.6	11
69	Tuning One-Dimensional Nanostructures of Bola-Like Peptide Amphiphiles by Varying the Hydrophilic Amino Acids. <i>Chemistry - A European Journal</i> , 2016, 22, 11394-11404.	1.7	28
70	Tuning self-assembled morphology of the A <sup>12</sup> (16E <sup>22</sup> ) peptide by substitution of phenylalanine residues. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 147, 116-123.	2.5	13
71	Interfacial Adsorption of Silk Fibroin Peptides and Their Interaction with Surfactants at the Solid-Water Interface. <i>Langmuir</i> , 2016, 32, 8202-8211.	1.6	11
72	Surface Physical Activity and Hydrophobicity of Designed Helical Peptide Amphiphiles Control Their Bioactivity and Cell Selectivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 26501-26510.	4.0	47

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73	Structural features of reconstituted wheat wax films. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160396.	1.5	15
74	Unusual surface and solution behaviour of keratin polypeptides. <i>RSC Advances</i> , 2016, 6, 105192-105201.	1.7	4
75	Enzymatic Regulation of Self-Assembling Peptide A <sub>9</sub> K <sub>2</sub> Nanostructures and Hydrogelation with Highly Selective Antibacterial Activities. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 15093-15102.	4.0	83
76	Patterned Thermoresponsive Microgel Surfaces to Control Cell Detachment. <i>Biomacromolecules</i> , 2016, 17, 572-579.	2.6	14
77	Different nanostructures caused by competition of intra- and inter- $\beta^2$ -sheet interactions in hierarchical self-assembly of short peptides. <i>Journal of Colloid and Interface Science</i> , 2016, 464, 219-228.	5.0	42
78	Virus-like supramolecular assemblies formed by cooperation of base pairing interaction and peptidic association. <i>Science China Chemistry</i> , 2016, 59, 310-315.	4.2	5
79	Direct exfoliation of graphite into graphene in aqueous solutions of amphiphilic peptides. <i>Journal of Materials Chemistry B</i> , 2016, 4, 152-161.	2.9	40
80	Structural Features of Micelles of Zwitterionic Dodecyl-phosphocholine (C12PC) Surfactants Studied by Small-Angle Neutron Scattering. <i>Langmuir</i> , 2015, 31, 9781-9789.	1.6	25
81	Copper(II)-Mediated Self-Assembly of Hairpin Peptides and Templated Synthesis of CuS Nanowires. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1953-1958.	1.7	22
82	Self-assembly of amphiphilic peptides: Effects of the single-chain-to-gemini structural transition and the side chain groups. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 469, 263-270.	2.3	16
83	Self-assembly and nanoaggregation of a pH responsive DNA hybrid amphiphile. <i>Soft Matter</i> , 2015, 11, 1748-1754.	1.2	14
84	High Selective Performance of Designed Antibacterial and Anticancer Peptide Amphiphiles. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 17346-17355.	4.0	77
85	Co-adsorption of peptide amphiphile V <sub>6</sub> K and conventional surfactants SDS and C <sub>12</sub> TAB at the solid/water interface. <i>Soft Matter</i> , 2015, 11, 7986-7994.	1.2	8
86	Solvent Controlled Structural Transition of KI <sub>4</sub> K Self-Assemblies: from Nanotubes to Nanofibrils. <i>Langmuir</i> , 2015, 31, 12975-12983.	1.6	59
87	Molecular mechanisms of anticancer action and cell selectivity of $\beta$ -helical peptides. <i>Biomaterials</i> , 2014, 35, 1552-1561.	5.7	88
88	Influence of Molecular Structure on the Size, Shape, and Nanostructure of Nonionic C <sub>n</sub> E <sub>m</sub> Surfactant Micelles. <i>Journal of Physical Chemistry B</i> , 2014, 118, 179-188.	1.2	35
89	Label-free detection of human prostate-specific antigen (hPSA) using film bulk acoustic resonators (FBARs). <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 946-953.	4.0	34
90	Strategies for enhancing fermentative production of acetoin: A review. <i>Biotechnology Advances</i> , 2014, 32, 492-503.	6.0	199

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91	Interfacial Structure of Immobilized Antibodies and Perdeuterated HSA in Model Pregnancy Tests Measured with Neutron Reflectivity. <i>Langmuir</i> , 2014, 30, 5880-5887.	1.6	8
92	Molecular Origin of the Self-Assembled Morphological Difference Caused by Varying the Order of Charged Residues in Short Peptides. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12501-12510.	1.2	24
93	Surface properties of nucleolipids and photo-controlled release of hydrophobic guest molecules from their micellar aggregates. <i>Soft Matter</i> , 2014, 10, 7218.	1.2	1
94	Cyclic arginyl-glycyl-aspartic acid (RGD) peptide-induced synthesis of uniform and stable one-dimensional CdTe nanostructures in aqueous solution. <i>RSC Advances</i> , 2014, 4, 11794.	1.7	2
95	Self-Assembled Two-Dimensional Thermoresponsive Microgel Arrays for Cell Growth/Detachment Control. <i>Biomacromolecules</i> , 2014, 15, 4021-4031.	2.6	20
96	High Cell Selectivity and Low-Level Antibacterial Resistance of Designed Amphiphilic Peptide G(IKK) <sub>3</sub> -NH <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 16529-16536.	4.0	57
97	Tuning Gelation Kinetics and Mechanical Rigidity of $\beta^2$ -Hairpin Peptide Hydrogels via Hydrophobic Amino Acid Substitutions. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 14360-14368.	4.0	56
98	Controlled silica deposition on self-assembled peptide nanostructures via varying molecular structures of short amphiphilic peptides. <i>Soft Matter</i> , 2014, 10, 7623-7629.	1.2	14
99	Generation of Acetoin and Its Derivatives in Foods. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 6487-6497.	2.4	89
100	Stress fermentation strategies for the production of hyperthermostable superoxide dismutase from <i>Thermus thermophilus</i> HB27: effects of ions. <i>Extremophiles</i> , 2013, 17, 995-1002.	0.9	10
101	Crystal Growth of Calcite Mediated by Ovalbumin and Lysozyme: Atomic Force Microscopy Study. <i>Crystal Growth and Design</i> , 2013, 13, 1583-1589.	1.4	12
102	Interfacial assembly of lipopeptide surfactants on octyltrimethoxysilane-modified silica surface. <i>Soft Matter</i> , 2013, 9, 9684-9691.	1.2	10
103	The structure and mass of heterogeneous thin films measured with dual polarization interferometry and ellipsometry. <i>RSC Advances</i> , 2013, 3, 3316.	1.7	15
104	Dual modes of antitumor action of an amphiphilic peptide A9K. <i>Biomaterials</i> , 2013, 34, 2731-2737.	5.7	43
105	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
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. <i>Langmuir</i> , 2013, 29, 9335-9351.	1.6	109
107	Controlled Release of Hydrophilic Guest Molecules from Photoresponsive Nucleolipid Vesicles. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 6232-6236.	4.0	16
108	Thermoresponsive Microgel Films for Harvesting Cells and Cell Sheets. <i>Biomacromolecules</i> , 2013, 14, 3615-3625.	2.6	47

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109	Tuning the Self-Assembly of Short Peptides via Sequence Variations. <i>Langmuir</i> , 2013, 29, 13457-13464.	1.6	132
110	Improving genetic immobilization of a cellulase on yeast cell surface for bioethanol production using cellulose. <i>Journal of Basic Microbiology</i> , 2013, 53, 381-389.	1.8	12
111	A Novel Alkaliphilic Bacillus Esterase Belongs to the 13th Bacterial Lipolytic Enzyme Family. <i>PLoS ONE</i> , 2013, 8, e60645.	1.1	64
112	Interfacial recognition of human prostate-specific antigen by immobilized monoclonal antibody: effects of solution conditions and surface chemistry. <i>Journal of the Royal Society Interface</i> , 2012, 9, 2457-2467.	1.5	49
113	Designed Short RGD Peptides for One-Pot Aqueous Synthesis of Integrin-Binding CdTe and CdZnTe Quantum Dots. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 6362-6370.	4.0	34
114	Interfacial adsorption of cationic peptide amphiphiles: a combined study of in situ spectroscopic ellipsometry and liquid AFM. <i>Soft Matter</i> , 2012, 8, 645-652.	1.2	23
115	Interfacial structure and history dependent activity of immobilised antibodies in model pregnancy tests. <i>Soft Matter</i> , 2012, 8, 9847.	1.2	9
116	Controllable Stabilization of Poly( <i>N</i> -isopropylacrylamide)-Based Microgel Films through Biomimetic Mineralization of Calcium Carbonate. <i>Biomacromolecules</i> , 2012, 13, 2299-2308.	2.6	28
117	Dissolution of the Calcite (104) Face under Specific Calcite-Aspartic Acid Interaction As Revealed by in Situ Atomic Force Microscopy. <i>Crystal Growth and Design</i> , 2012, 12, 2594-2601.	1.4	13
118	Redox modulated hydrogelation of a self-assembling short peptide amphiphile. <i>Science Bulletin</i> , 2012, 57, 4296-4303.	1.7	14
119	Molecular mechanisms of antibacterial and antitumor actions of designed surfactant-like peptides. <i>Biomaterials</i> , 2012, 33, 592-603.	5.7	84
120	Protein functionalized ZnO thin film bulk acoustic resonator as an odorant biosensor. <i>Sensors and Actuators B: Chemical</i> , 2012, 163, 242-246.	4.0	35
121	Measurement of the thickness of ultra-thin adsorbed globular protein layers with dual-polarisation interferometry: a comparison with neutron reflectivity. <i>Soft Matter</i> , 2011, 7, 7223.	1.2	15
122	Interfacial adsorption of lipopeptide surfactants at the silica/water interface studied by neutron reflection. <i>Soft Matter</i> , 2011, 7, 1777-1788.	1.2	17
123	Degradation of fungicide carbendazim in aqueous solution by sonolytic ozonation. , 2011, , .		2
124	Self-Assembly of Short $\text{A}^2(16\text{A}^22)$ Peptides: Effect of Terminal Capping and the Role of Electrostatic Interaction. <i>Langmuir</i> , 2011, 27, 2723-2730.	1.6	108
125	Fibronectin Conformation Switch Induced by Co-adsorption with Human Serum Albumin. <i>Langmuir</i> , 2011, 27, 312-319.	1.6	28
126	Molecular Modulation of Calcite Dissolution by Organic Acids. <i>Crystal Growth and Design</i> , 2011, 11, 3153-3162.	1.4	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. <i>Langmuir</i> , 2011, 27, 8798-8809.	1.6	14
128	Effects of Anions on Nanostructuring of Cationic Amphiphilic Peptides. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11862-11871.	1.2	20
129	Designed Antimicrobial and Antitumor Peptides with High Selectivity. <i>Biomacromolecules</i> , 2011, 12, 3839-3843.	2.6	113
130	Mechanistic Processes Underlying Biomimetic Synthesis of Silica Nanotubes from Self-Assembled Ultrashort Peptide Templates. <i>Chemistry of Materials</i> , 2011, 23, 2466-2474.	3.2	66
131	Interfacial Immobilization of Monoclonal Antibody and Detection of Human Prostate-Specific Antigen. <i>Langmuir</i> , 2011, 27, 7654-7662.	1.6	70
132	Self-Assembly of Short Peptide Amphiphiles: The Cooperative Effect of Hydrophobic Interaction and Hydrogen Bonding. <i>Chemistry - A European Journal</i> , 2011, 17, 13095-13102.	1.7	144
133	Twisted Nanotubes Formed from Ultrashort Amphiphilic Peptide I <sub>3</sub> K and Their Templating for the Fabrication of Silica Nanotubes. <i>Chemistry of Materials</i> , 2010, 22, 5165-5173.	3.2	110
134	Surface structural conformations of fibrinogen polypeptides for improved biocompatibility. <i>Biomaterials</i> , 2010, 31, 3781-3792.	5.7	40
135	Interfacial Dynamic Adsorption and Structure of Molecular Layers of Peptide Surfactants. <i>Langmuir</i> , 2010, 26, 5690-5696.	1.6	36
136	Molecular self-assembly and applications of designer peptide amphiphiles. <i>Chemical Society Reviews</i> , 2010, 39, 3480.	18.7	599
137	Influence of Ovalbumin on CaCO <sub>3</sub> Precipitation during <i>in Vitro</i> Biomineralization. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5301-5308.	1.2	50
138	Optical Extinction Combined with Phase Measurements for Probing DNA-Small-Molecule Interactions Using an Evanescent Waveguide Biosensor. <i>Analytical Chemistry</i> , 2010, 82, 5455-5462.	3.2	16
139	Antibacterial Activities of Short Designer Peptides: a Link between Propensity for Nanostructuring and Capacity for Membrane Destabilization. <i>Biomacromolecules</i> , 2010, 11, 402-411.	2.6	182
140	Thermoresponsive Copolymer Nanofilms for Controlling Cell Adhesion, Growth, and Detachment. <i>Langmuir</i> , 2010, 26, 17304-17314.	1.6	33
141	Molecular biophysics underlying gene delivery. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2010, 106, 305.	4.4	2
142	Acetoin Catabolism and Acetylbutanediol Formation by <i>Bacillus pumilus</i> in a Chemically Defined Medium. <i>PLoS ONE</i> , 2009, 4, e5627.	1.1	30
143	Interfacial assembly of proteins and peptides: recent examples studied by neutron reflection. <i>Journal of the Royal Society Interface</i> , 2009, 6, S659-70.	1.5	41
144	Lysozyme mediated calcium carbonate mineralization. <i>Journal of Colloid and Interface Science</i> , 2009, 332, 96-103.	5.0	63

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