Jian R Lu

List of Publications by Year in Descending Order

194 papers	6,796 citations	46 h-index	71 g-index
197 ext. papers	7,730 ext. citations	6.6 avg, IF	5.88 L-index

#	Paper	IF	Citations
194	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	9.3	0
193	Implications of surfactant hydrophobic chain architecture on the Surfactant-Skin lipid model interaction. *Journal of Colloid and Interface Science*, **2022**, 608, 405-415	9.3	
192	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	9.3	1
191	How do chain lengths of acyl-l-carnitines affect their surface adsorption and solution aggregation?. *Journal of Colloid and Interface Science*, **2021**, 609, 491-491	9.3	0
190	Assessing the Risk of Resistance to Cationic Biocides incorporating Realism-based and Biophysical Approaches. *Journal of Industrial Microbiology and Biotechnology*, **2021**,	4.2	3
189	A technical review of face mask wearing in preventing respiratory COVID-19 transmission. *Current Opinion in Colloid and Interface Science*, **2021**, 52, 101417	7.6	55
188	Structural Disruptions of the Outer Membranes of Gram-Negative Bacteria by Rationally Designed Amphiphilic Antimicrobial Peptides. *ACS Applied Materials & Interfaces*, **2021**, 13, 16062-16074	9.5	5
187	Unexpected Role of Achiral Glycine in Determining the Suprastructural Handedness of Peptide Nanofibrils. *ACS Nano*, **2021**, 15, 10328-10341	16.7	7
186	Surface adsorption and solution aggregation of a novel lauroyl-l-carnitine surfactant. *Journal of Colloid and Interface Science*, **2021**, 591, 106-114	9.3	6
185	What happens when pesticides are solubilised in binary ionic/zwitterionic-nonionic mixed micelles?. *Journal of Colloid and Interface Science*, **2021**, 586, 190-199	9.3	3
184	Smart Textiles with Janus Wetting and Wicking Properties Fabricated by Graphene Oxide Coatings. *Advanced Materials Interfaces*, **2021**, 8, 2001427	4.6	13
183	Monolayer wall nanotubes self-assembled from short peptide bolaamphiphiles. *Journal of Colloid and Interface Science*, **2021**, 583, 553-562	9.3	6
182	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	9.3	2
181	Recent Advances in Studying Interfacial Adsorption of Bioengineered Monoclonal Antibodies. *Molecules*, **2020**, 25,	4.8	8
180	Ultrafast bone-like apatite formation on highly porous poly(l-lactic acid)-hydroxyapatite fibres. *Materials Science and Engineering C*, **2020**, 116, 111168	8.3	10
179	Effects of Conventional Surfactants on the Activity of Designed Antimicrobial Peptide. *Langmuir*, **2020**, 36, 3531-3539	4	5
178	Modulation of Antimicrobial Peptide Conformation and Aggregation by Terminal Lipidation and Surfactants. *Langmuir*, **2020**, 36, 1737-1744	4	10

177	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	9.3	7
176	Rational design, properties, and applications of biosurfactants: a short review of recent advances. *Current Opinion in Colloid and Interface Science*, **2020**, 45, 57-67	7.6	35
175	Development of a novel 3D intestinal model for permeability evaluations. *International Journal of Food Sciences and Nutrition*, **2020**, 71, 549-562	3.7	5
174	Interfacial Assembly Inspired by Marine Mussels and Antifouling Effects of Polypeptoids: A Neutron Reflection Study. *Langmuir*, **2020**, 36, 12309-12318	4	1
173	Ordered Nanofibers Fabricated from Hierarchical Self-Assembling Processes of Designed □Helical Peptides. *Small*, **2020**, 16, e2003945	11	3
172	Surfactant-like peptides: From molecular design to controllable self-assembly with applications. *Coordination Chemistry Reviews*, **2020**, 421, 213418	23.2	23
171	How do Self-Assembling Antimicrobial Lipopeptides Kill Bacteria?. *ACS Applied Materials & Interfaces*, **2020**, 12, 55675-55687	9.5	10
170	Aggregated Amphiphilic Antimicrobial Peptides Embedded in Bacterial Membranes. *ACS Applied Materials & Interfaces*, **2020**, 12, 44420-44432	9.5	14
169	Recent advances in short peptide self-assembly: from rational design to novel applications. *Current Opinion in Colloid and Interface Science*, **2020**, 45, 1-13	7.6	46
168	Hydrophobic Control of the Bioactivity and Cytotoxicity of de Novo-Designed Antimicrobial Peptides. *ACS Applied Materials & Interfaces*, **2019**, 11, 34609-34620	9.5	28
167	Interfacial Adsorption of a Monoclonal Antibody and Its Fab and Fc Fragments at the Oil/Water Interface. *Langmuir*, **2019**, 35, 13543-13552	4	6
166	How does solubilisation of plant waxes into nonionic surfactant micelles affect pesticide release?. *Journal of Colloid and Interface Science*, **2019**, 556, 650-657	9.3	7
165	Enzyme-Triggered Morphological Transition of Peptide Nanostructures for Tumor-Targeted Drug Delivery and Enhanced Cancer Therapy. *ACS Applied Materials & Interfaces*, **2019**, 11, 16357-16366	9.5	39
164	Active Modulation of States of Prestress in Self-Assembled Short Peptide Gels. *Biomacromolecules*, **2019**, 20, 1719-1730	6.9	6
163	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	9.3	11
162	Reversible Thermoresponsive Peptide-PNIPAM Hydrogels for Controlled Drug Delivery. *Biomacromolecules*, **2019**, 20, 3601-3610	6.9	79
161	Metal-insulator-metal diodes based on alkyltrichlorosilane self-assembled monolayers. *AIP Advances*, **2019**, 9, 065017	1.5	4
160	Markov Chain Modeling of Surfactant Critical Micelle Concentration and Surface Composition. *Langmuir*, **2019**, 35, 561-569	4	4

159	Membrane targeting cationic antimicrobial peptides. *Journal of Colloid and Interface Science*, **2019**, 537, 163-185	9.3	130
158	What happens when pesticides are solubilized in nonionic surfactant micelles. *Journal of Colloid and Interface Science*, **2019**, 541, 175-182	9.3	21
157	Structural Features of Reconstituted Cuticular Wax Films upon Interaction with Nonionic Surfactant CE. *Langmuir*, **2018**, 34, 3395-3404	4	8
156	Controlling the Diameters of Nanotubes Self-Assembled from Designed Peptide Bolaphiles. *Small*, **2018**, 14, e1703216	11	31
155	Determination of PMMA Residues on a Chemical-Vapor-Deposited Monolayer of Graphene by Neutron Reflection and Atomic Force Microscopy. *Langmuir*, **2018**, 34, 1827-1833	4	14
154	Graphene Oxide-Assisted Accumulation and Layer-by-Layer Assembly of Antibacterial Peptide for Sustained Release Applications. *ACS Applied Materials & Interfaces*, **2018**, 10, 24937-24946	9.5	28
153	Temperature Resistant Binary SLES/Nonionic Surfactant Mixtures at the Air/Water Interface. *Langmuir*, **2018**, 34, 9442-9452	4	1
152	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	9.3	16
151	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	9.3	14
150	Interfacial Adsorption of Monoclonal Antibody COE-3 at the Solid/Water Interface. *ACS Applied Materials & Interfaces*, **2018**, 10, 1306-1316	9.5	13
149	Single-Molecule Study of Peptide Gel Dynamics Reveals States of Prestress. *Langmuir*, **2018**, 34, 14678-14689	4	4
148	Quenched Stochastic Optical Reconstruction Microscopy (qSTORM) with Graphene Oxide. *Scientific Reports*, **2018**, 8, 16928	4.9	4
147	Coadsorption of a Monoclonal Antibody and Nonionic Surfactant at the SiO/Water Interface. *ACS Applied Materials & Interfaces*, **2018**, 10, 44257-44266	9.5	5
146	Nanoribbons self-assembled from short peptides demonstrate the formation of polar zippers between β sheets. *Nature Communications*, **2018**, 9, 5118	17.4	56
145	Antibody adsorption on the surface of water studied by neutron reflection. *MAbs*, **2017**, 9, 466-475	6.6	14
144	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	16.4	88
143	Influence of Conventional Surfactants on the Self-Assembly of a Bola Type Amphiphilic Peptide. *Langmuir*, **2017**, 33, 5446-5455	4	9
142	Peptide nucleic acid-ionic self-complementary peptide conjugates: highly efficient DNA condensers with specific condensing mechanism. *RSC Advances*, **2017**, 7, 3796-3803	3.7	2

141	Neutron Reflection Study of Surface Adsorption of Fc, Fab, and the Whole mAb. *ACS Applied Materials & Interfaces*, **2017**, 9, 23202-23211	9.5	13
140	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	9.5	24
139	Peptide Self-Assembled Nanostructures with Distinct Morphologies and Properties Fabricated by Molecular Design. *ACS Applied Materials & Interfaces*, **2017**, 9, 39174-39184	9.5	29
138	Anisotropic formation mechanism and nanomechanics for the self-assembly process of cross- peptides. *Chinese Physics B*, **2017**, 26, 128701	1.2	1
137	Influence of Acyl Chain Saturation on the Membrane-Binding Activity of a Short Antimicrobial Peptide. *ACS Omega*, **2017**, 2, 7482-7492	3.9	19
136	Self-Assembly of Mesoscopic Peptide Surfactant Fibrils Investigated by STORM Super-Resolution Fluorescence Microscopy. *Biomacromolecules*, **2017**, 18, 3481-3491	6.9	21
135	Implications of lipid monolayer charge characteristics on their selective interactions with a short antimicrobial peptide. *Colloids and Surfaces B: Biointerfaces*, **2017**, 150, 308-316	6	34
134	Interfacial Adsorption of Silk Fibroin Peptides and Their Interaction with Surfactants at the Solid-Water Interface. *Langmuir*, **2016**, 32, 8202-11	4	11
133	Surface Physical Activity and Hydrophobicity of Designed Helical Peptide Amphiphiles Control Their Bioactivity and Cell Selectivity. *ACS Applied Materials & Interfaces*, **2016**, 8, 26501-26510	9.5	32
132	Structural features of reconstituted wheat wax films. *Journal of the Royal Society Interface*, **2016**, 13,	4.1	12
131	Unusual surface and solution behaviour of keratin polypeptides. *RSC Advances*, **2016**, 6, 105192-105201	3.7	4
130	Enzymatic Regulation of Self-Assembling Peptide A9K2 Nanostructures and Hydrogelation with Highly Selective Antibacterial Activities. *ACS Applied Materials & Interfaces*, **2016**, 8, 15093-102	9.5	58
129	Patterned Thermoresponsive Microgel Surfaces to Control Cell Detachment. *Biomacromolecules*, **2016**, 17, 572-9	6.9	13
128	Different nanostructures caused by competition of intra- and inter-sheet interactions in hierarchical self-assembly of short peptides. *Journal of Colloid and Interface Science*, **2016**, 464, 219-28	9.3	30
127	Virus-like supramolecular assemblies formed by cooperation of base pairing interaction and peptidic association. *Science China Chemistry*, **2016**, 59, 310-315	7.9	3
126	Direct exfoliation of graphite into graphene in aqueous solutions of amphiphilic peptides. *Journal of Materials Chemistry B*, **2016**, 4, 152-161	7.3	34
125	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, 163-72	4.2	2
124	Hydrogelation of the Short Self-Assembling Peptide I3QGK Regulated by Transglutaminase and Use for Rapid Hemostasis. *ACS Applied Materials & Interfaces*, **2016**, 8, 17833-41	9.5	45

123	Amino acid side chains affect the bioactivity of designed short peptide amphiphiles. *Journal of Materials Chemistry B*, **2016**, 4, 2359-2368	7.3	23
122	Interplay between Intrinsic Conformational Propensities and Intermolecular Interactions in the Self-Assembly of Short Surfactant-like Peptides Composed of Leucine/Isoleucine. *Langmuir*, **2016**, 32, 4662-72	4	10
121	Surface active complexes formed between keratin polypeptides and ionic surfactants. *Journal of Colloid and Interface Science*, **2016**, 484, 125-134	9.3	22
120	Self-Assembly of Magnetic Bacillus-Shaped Bilayer Vesicles in Catanionic Surfactant Solutions. *Langmuir*, **2016**, 32, 10226-10234	4	8
119	Tuning One-Dimensional Nanostructures of Bola-Like Peptide Amphiphiles by Varying the Hydrophilic Amino Acids. *Chemistry - A European Journal*, **2016**, 22, 11394-404	4.8	19
118	Tuning self-assembled morphology of the A□(16-22) peptide by substitution of phenylalanine residues. *Colloids and Surfaces B: Biointerfaces*, **2016**, 147, 116-123	6	10
117	Self-assembly and nanoaggregation of a pH responsive DNA hybrid amphiphile. *Soft Matter*, **2015**, 11, 1748-54	3.6	11
116	High Selective Performance of Designed Antibacterial and Anticancer Peptide Amphiphiles. *ACS Applied Materials & Interfaces*, **2015**, 7, 17346-55	9.5	60
115	Co-adsorption of peptide amphiphile V(6)K and conventional surfactants SDS and C(12)TAB at the solid/water interface. *Soft Matter*, **2015**, 11, 7986-94	3.6	7
114	Solvent Controlled Structural Transition of KI4K Self-Assemblies: from Nanotubes to Nanofibrils. *Langmuir*, **2015**, 31, 12975-83	4	48
113	Structural Features of Micelles of Zwitterionic Dodecyl-phosphocholine (C□PC) Surfactants Studied by Small-Angle Neutron Scattering. *Langmuir*, **2015**, 31, 9781-9	4	22
112	Copper(II)-Mediated Self-Assembly of Hairpin Peptides and Templated Synthesis of CuS Nanowires. *Chemistry - an Asian Journal*, **2015**, 10, 1953-8	4.5	18
111	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	5.1	14
110	Influence of molecular structure on the size, shape, and nanostructure of nonionic C(n)E(m) surfactant micelles. *Journal of Physical Chemistry B*, **2014**, 118, 179-88	3.4	28
109	Label-free detection of human prostate-specific antigen (hPSA) using film bulk acoustic resonators (FBARs). *Sensors and Actuators B: Chemical*, **2014**, 190, 946-953	8.5	30
108	Strategies for enhancing fermentative production of acetoin: a review. *Biotechnology Advances*, **2014**, 32, 492-503	17.8	140
107	Interfacial structure of immobilized antibodies and perdeuterated HSA in model pregnancy tests measured with neutron reflectivity. *Langmuir*, **2014**, 30, 5880-7	4	7
106	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, 12501-10	3.4	21

105	Surface properties of nucleolipids and photo-controlled release of hydrophobic guest molecules from their micellar aggregates. *Soft Matter*, **2014**, 10, 7218-24	3.6	1
104	Cyclic arginyl‐glycyl‐aspartic acid (RGD) peptide-induced synthesis of uniform and stable one-dimensional CdTe nanostructures in aqueous solution. *RSC Advances*, **2014**, 4, 11794	3.7	2
103	Self-assembled two-dimensional thermoresponsive microgel arrays for cell growth/detachment control. *Biomacromolecules*, **2014**, 15, 4021-31	6.9	18
102	High cell selectivity and low-level antibacterial resistance of designed amphiphilic peptide G(IIKK)(3)I-NH(2). *ACS Applied Materials & Interfaces*, **2014**, 6, 16529-36	9.5	46
101	Tuning gelation kinetics and mechanical rigidity of ‐hairpin peptide hydrogels via hydrophobic amino acid substitutions. *ACS Applied Materials & Interfaces*, **2014**, 6, 14360-8	9.5	43
100	Controlled silica deposition on self-assembled peptide nanostructures via varying molecular structures of short amphiphilic peptides. *Soft Matter*, **2014**, 10, 7623-9	3.6	14
99	Generation of acetoin and its derivatives in foods. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 6487-97	5.7	58
98	Molecular mechanisms of anticancer action and cell selectivity of short ‐helical peptides. *Biomaterials*, **2014**, 35, 1552-61	15.6	73
97	Stress fermentation strategies for the production of hyperthermostable superoxide dismutase from Thermus thermophilus HB27: effects of ions. *Extremophiles*, **2013**, 17, 995-1002	3	10
96	Crystal Growth of Calcite Mediated by Ovalbumin and Lysozyme: Atomic Force Microscopy Study. *Crystal Growth and Design*, **2013**, 13, 1583-1589	3.5	9
95	Interfacial assembly of lipopeptide surfactants on octyltrimethoxysilane-modified silica surface. *Soft Matter*, **2013**, 9, 9684-91	3.6	7
94	The structure and mass of heterogeneous thin films measured with dual polarization interferometry and ellipsometry. *RSC Advances*, **2013**, 3, 3316	3.7	13
93	Dual modes of antitumor action of an amphiphilic peptide A(9)K. *Biomaterials*, **2013**, 34, 2731-7	15.6	36
92	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. *Langmuir*, **2013**, 29, 9324-34	4	80
91	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, 9335-51	4	89
90	Controlled release of hydrophilic guest molecules from photoresponsive nucleolipid vesicles. *ACS Applied Materials & Interfaces*, **2013**, 5, 6232-6	9.5	16
89	Thermoresponsive microgel films for harvesting cells and cell sheets. *Biomacromolecules*, **2013**, 14, 3615‐25	6.9	42
88	Tuning the self-assembly of short peptides via sequence variations. *Langmuir*, **2013**, 29, 13457-64	4	103

87	Improving genetic immobilization of a cellulase on yeast cell surface for bioethanol production using cellulose. *Journal of Basic Microbiology*, **2013**, 53, 381-9	2.7	12
86	A novel alkaliphilic bacillus esterase belongs to the 13(th) bacterial lipolytic enzyme family. *PLoS ONE*, **2013**, 8, e60645	3.7	52
85	Molecular mechanisms of antibacterial and antitumor actions of designed surfactant-like peptides. *Biomaterials*, **2012**, 33, 592-603	15.6	73
84	Protein functionalized ZnO thin film bulk acoustic resonator as an odorant biosensor. *Sensors and Actuators B: Chemical*, **2012**, 163, 242-246	8.5	29
83	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, 2457-67	4.1	39
82	Designed short RGD peptides for one-pot aqueous synthesis of integrin-binding CdTe and CdZnTe quantum dots. *ACS Applied Materials & Interfaces*, **2012**, 4, 6362-70	9.5	31
81	Interfacial adsorption of cationic peptide amphiphiles: a combined study of in situspectroscopic ellipsometry and liquid AFM. *Soft Matter*, **2012**, 8, 645-652	3.6	17
80	Interfacial structure and history dependent activity of immobilised antibodies in model pregnancy tests. *Soft Matter*, **2012**, 8, 9847	3.6	8
79	Controllable stabilization of poly(N-isopropylacrylamide)-based microgel films through biomimetic mineralization of calcium carbonate. *Biomacromolecules*, **2012**, 13, 2299-308	6.9	25
78	Dissolution of the Calcite (104) Face under Specific Calcite–Aspartic Acid Interaction As Revealed by in Situ Atomic Force Microscopy. *Crystal Growth and Design*, **2012**, 12, 2594-2601	3.5	12
77	Redox modulated hydrogelation of a self-assembling short peptide amphiphile. *Science Bulletin*, **2012**, 57, 4296-4303		11
76	Effects of anions on nanostructuring of cationic amphiphilic peptides. *Journal of Physical Chemistry B*, **2011**, 115, 11862-71	3.4	20
75	Designed antimicrobial and antitumor peptides with high selectivity. *Biomacromolecules*, **2011**, 12, 3839-43	6.9	87
74	Mechanistic Processes Underlying Biomimetic Synthesis of Silica Nanotubes from Self-Assembled Ultrashort Peptide Templates. *Chemistry of Materials*, **2011**, 23, 2466-2474	9.6	61
73	Interfacial immobilization of monoclonal antibody and detection of human prostate-specific antigen. *Langmuir*, **2011**, 27, 7654-62	4	64
72	Self-assembly of short peptide amphiphiles: the cooperative effect of hydrophobic interaction and hydrogen bonding. *Chemistry - A European Journal*, **2011**, 17, 13095-102	4.8	115
71	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	3.6	15
70	Interfacial adsorption of lipopeptide surfactants at the silica/water interface studied by neutron reflection. *Soft Matter*, **2011**, 7, 1777-1788	3.6	13

69	Degradation of fungicide carbendazim in aqueous solution by sonolytic ozonation **2011**,		2
68	Self-assembly of short a(11-22) peptides: effect of terminal capping and the role of electrostatic interaction. *Langmuir*, **2011**, 27, 2723-30	4	83
67	Fibronectin conformation switch induced by coadsorption with human serum albumin. *Langmuir*, **2011**, 27, 312-9	4	27
66	Molecular Modulation of Calcite Dissolution by Organic Acids. *Crystal Growth and Design*, **2011**, 11, 3153-3162	3.9	27
65	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, 8798-809	4	12
64	Interfacial dynamic adsorption and structure of molecular layers of peptide surfactants. *Langmuir*, **2010**, 26, 5690-6	4	34
63	Molecular self-assembly and applications of designer peptide amphiphiles. *Chemical Society Reviews*, **2010**, 39, 3480-98	58.5	519
62	Influence of ovalbumin on CaCO3 precipitation during in vitro biomineralization. *Journal of Physical Chemistry B*, **2010**, 114, 5301-8	3.4	38
61	Optical extinction combined with phase measurements for probing DNA-small-molecule interactions using an evanescent waveguide biosensor. *Analytical Chemistry*, **2010**, 82, 5455-62	7.8	16
60	Antibacterial activities of short designer peptides: a link between propensity for nanostructuring and capacity for membrane destabilization. *Biomacromolecules*, **2010**, 11, 402-11	6.9	158
59	Thermoresponsive copolymer nanofilms for controlling cell adhesion, growth, and detachment. *Langmuir*, **2010**, 26, 17304-14	4	31
58	Molecular biophysics underlying gene delivery. *Annual Reports on the Progress of Chemistry Section C*, **2010**, 106, 305		2
57	Twisted Nanotubes Formed from Ultrashort Amphiphilic Peptide I3K and Their Templating for the Fabrication of Silica Nanotubes. *Chemistry of Materials*, **2010**, 22, 5165-5173	9.6	99
56	Surface structural conformations of fibrinogen polypeptides for improved biocompatibility. *Biomaterials*, **2010**, 31, 3781-92	15.6	39
55	Acetoin catabolism and acetylbutanediol formation by Bacillus pumilus in a chemically defined medium. *PLoS ONE*, **2009**, 4, e5627	3.7	24
54	Interfacial assembly of proteins and peptides: recent examples studied by neutron reflection. *Journal of the Royal Society Interface*, **2009**, 6 Suppl 5, S659-70	4.1	36
53	Lysozyme mediated calcium carbonate mineralization. *Journal of Colloid and Interface Science*, **2009**, 332, 96-103	9.3	56
52	Hydrophobic-region-induced transitions in self-assembled peptide nanostructures. *Langmuir*, **2009**, 25, 4115-23	4	120

51	Multiple path length dual polarization interferometry. *Optics Express*, **2009**, 17, 10959-69	3.3	22
50	Ranaspumin-2: structure and function of a surfactant protein from the foam nests of a tropical frog. *Biophysical Journal*, **2009**, 96, 4984-92	2.9	43
49	Controlled delivery of antisense oligonucleotides: a brief review of current strategies. *Expert Opinion on Drug Delivery*, **2009**, 6, 673-86	8	64
48	Role of ovalbumin in the stabilization of metastable vaterite in calcium carbonate biomineralization. *Journal of Physical Chemistry B*, **2009**, 113, 8975-82	3.4	55
47	Interfacial assembly of cationic peptide surfactants. *Soft Matter*, **2009**, 5, 1630	3.6	27
46	Dynamic self-assembly of surfactant-like peptides A6K and A9K. *Soft Matter*, **2009**, 5, 3870	3.6	54
45	Latherin: a surfactant protein of horse sweat and saliva. *PLoS ONE*, **2009**, 4, e5726	3.7	55
44	Solution behavior and activity of a halophilic esterase under high salt concentration. *PLoS ONE*, **2009**, 4, e6980	3.7	44
43	Recent development of peptide self-assembly. *Progress in Natural Science: Materials International*, **2008**, 18, 653-660	3.6	59
42	Intracellular microrheology of motile Amoeba proteus. *Biophysical Journal*, **2008**, 94, 3313-22	2.9	49
41	Interfacial adsorption of antifreeze proteins: a neutron reflection study. *Biophysical Journal*, **2008**, 94, 4405-13	2.9	15
40	Interfacial adsorption and denaturization of human milk and recombinant rice lactoferrin. *Biointerphases*, **2008**, 3, FB36	1.8	14
39	Cationic copolymer-mediated DNA immobilization: interfacial structure and composition as determined by ellipsometry, dual polarization interferometry, and neutron reflection. *Langmuir*, **2008**, 24, 13556-64	4	34
38	Thermal fluctuations of fibres at short time scales. *Soft Matter*, **2008**, 4, 1438-1442	3.6	15
37	Plasmid DNA complexation with phosphorylcholine diblock copolymers and its effect on cell transfection. *Langmuir*, **2008**, 24, 6881-8	4	18
36	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	9.3	54
35	Relationship between the structural conformation of monoclonal antibody layers and antigen binding capacity. *Biomacromolecules*, **2007**, 8, 2422-8	6.9	22
34	Nanostructure of polyplexes formed between cationic diblock copolymer and antisense oligodeoxynucleotide and its influence on cell transfection efficiency. *Biomacromolecules*, **2007**, 8, 3493-502	6.8	24

33	Enzyme aggregation in ionic liquids studied by dynamic light scattering and small angle neutron scattering. *Green Chemistry*, **2007**, 9, 859	10	42
32	Coadsorption of human milk lactoferrin into the dipalmitoylglycerolphosphatidylcholine phospholipid monolayer spread at the air/water interface. *Biophysical Journal*, **2007**, 92, 1254-62	2.9	20
31	Interfacial immobilisation of DNA molecules. *Annual Reports on the Progress of Chemistry Section C*, **2007**, 103, 261		9
30	Precise particle tracking against a complicated background: polynomial fitting with Gaussian weight. *Physical Biology*, **2007**, 4, 220-7	3	147
29	Effect of surface packing density of interfacially adsorbed monoclonal antibody on the binding of hormonal antigen human chorionic gonadotrophin. *Journal of Physical Chemistry B*, **2006**, 110, 1907-14	3.4	89
28	Orientation of a monoclonal antibody adsorbed at the solid/solution interface: a combined study using atomic force microscopy and neutron reflectivity. *Langmuir*, **2006**, 22, 6313-20	4	92
27	Controlled delivery of antisense oligodeoxynucleotide from cationically modified phosphorylcholine polymer films. *Biomacromolecules*, **2006**, 7, 784-91	6.9	27
26	DNA immobilization using biocompatible diblock phosphorylcholine copolymers. *Surface and Interface Analysis*, **2006**, 38, 548-551	1.5	14
25	Surface-induced unfolding of human lactoferrin. *Langmuir*, **2005**, 21, 3354-61	4	36
24	Solution pH-regulated interfacial adsorption of diblock phosphorylcholine copolymers. *Langmuir*, **2005**, 21, 9597-603	4	29
23	Characterization of Petroporphyrins Using Ultraviolet□Visible Spectroscopy and Laser Desorption Ionization Time-of-Flight Mass Spectrometry. *Energy & Fuels*, **2005**, 19, 517-524	4.1	32
22	Neutron reflection from the liquid-liquid interface: adsorption of hexadecylphosphorylcholine to the hexadecane-aqueous solution interface. *Langmuir*, **2005**, 21, 11704-9	4	40
21	Adsorption of frog foam nest proteins at the air-water interface. *Biophysical Journal*, **2005**, 88, 2114-25	2.9	59
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19	Substrate chemistry influences the morphology and biological function of adsorbed extracellular matrix assemblies. *Biomaterials*, **2005**, 26, 7192-206	15.6	52
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