

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/310174/jian-r-lu-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Molecular self-assembly and applications of designer peptide amphiphiles. <i>Chemical Society Reviews</i> , <b>2010</b> , 39, 3480-98	58.5	519
193	Adsorption of Dodecyl Sulfate Surfactants with Monovalent Metal Counterions at the Air-Water Interface Studied by Neutron Reflection and Surface Tension. <i>Journal of Colloid and Interface Science</i> , <b>1993</b> , 158, 303-316	9.3	227
192	Antibacterial activities of short designer peptides: a link between propensity for nanostructuring and capacity for membrane destabilization. <i>Biomacromolecules</i> , <b>2010</b> , 11, 402-11	6.9	158
191	Precise particle tracking against a complicated background: polynomial fitting with Gaussian weight. <i>Physical Biology</i> , <b>2007</b> , 4, 220-7	3	147
190	The Adsorption of Lysozyme at the Silica-Water Interface: A Neutron Reflection Study. <i>Journal of Colloid and Interface Science</i> , <b>1998</b> , 203, 419-29	9.3	146
189	Strategies for enhancing fermentative production of acetoin: a review. <i>Biotechnology Advances</i> , <b>2014</b> , 32, 492-503	17.8	140
188	Membrane targeting cationic antimicrobial peptides. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 537, 163-185	9.3	130
187	Hydrophobic-region-induced transitions in self-assembled peptide nanostructures. <i>Langmuir</i> , <b>2009</b> , 25, 4115-23	4	120
186	Self-assembly of short peptide amphiphiles: the cooperative effect of hydrophobic interaction and hydrogen bonding. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 13095-102	4.8	115
185	Tuning the self-assembly of short peptides via sequence variations. <i>Langmuir</i> , <b>2013</b> , 29, 13457-64	4	103
184	Twisted Nanotubes Formed from Ultrashort Amphiphilic Peptide I3K and Their Templating for the Fabrication of Silica Nanotubes. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 5165-5173	9.6	99
183	Orientation of a monoclonal antibody adsorbed at the solid/solution interface: a combined study using atomic force microscopy and neutron reflectivity. <i>Langmuir</i> , <b>2006</b> , 22, 6313-20	4	92
182	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> , <b>2013</b> , 29, 9335-51	4	89
181	Effect of surface packing density of interfacially adsorbed monoclonal antibody on the binding of hormonal antigen human chorionic gonadotrophin. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 1907-14	3.4	89
180	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> , <b>2017</b> , 139, 4185-4194	16.4	88
179	Designed antimicrobial and antitumor peptides with high selectivity. <i>Biomacromolecules</i> , <b>2011</b> , 12, 3839-43	6.3	87
178	Self-assembly of short $\alpha$ (16-22) peptides: effect of terminal capping and the role of electrostatic interaction. <i>Langmuir</i> , <b>2011</b> , 27, 2723-30	4	83

177	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> , <b>2013</b> , 29, 9324-34	4	80
176	Reversible Thermo-responsive Peptide-PNIPAM Hydrogels for Controlled Drug Delivery. <i>Biomacromolecules</i> , <b>2019</b> , 20, 3601-3610	6.9	79
175	Interfacial Compositions and Phase Structures in Mixed Surfactant Microemulsions. <i>Langmuir</i> , <b>1999</b> , 15, 5271-5278	4	75
174	Molecular mechanisms of antibacterial and antitumor actions of designed surfactant-like peptides. <i>Biomaterials</i> , <b>2012</b> , 33, 592-603	15.6	73
173	Molecular mechanisms of anticancer action and cell selectivity of short helical peptides. <i>Biomaterials</i> , <b>2014</b> , 35, 1552-61	15.6	73
172	Reduced Protein Adsorption on the Surface of a Chemically Grafted Phospholipid Monolayer. <i>Langmuir</i> , <b>2001</b> , 17, 3382-3389	4	66
171	Interfacial immobilization of monoclonal antibody and detection of human prostate-specific antigen. <i>Langmuir</i> , <b>2011</b> , 27, 7654-62	4	64
170	Controlled delivery of antisense oligonucleotides: a brief review of current strategies. <i>Expert Opinion on Drug Delivery</i> , <b>2009</b> , 6, 673-86	8	64
169	Mechanistic Processes Underlying Biomimetic Synthesis of Silica Nanotubes from Self-Assembled Ultrashort Peptide Templates. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 2466-2474	9.6	61
168	High Selective Performance of Designed Antibacterial and Anticancer Peptide Amphiphiles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 17346-55	9.5	60
167	Recent development of peptide self-assembly. <i>Progress in Natural Science: Materials International</i> , <b>2008</b> , 18, 653-660	3.6	59
166	Adsorption of frog foam nest proteins at the air-water interface. <i>Biophysical Journal</i> , <b>2005</b> , 88, 2114-25	2.9	59
165	Lysozyme adsorption studies at the silica/water interface using dual polarization interferometry. <i>Langmuir</i> , <b>2004</b> , 20, 1827-32	4	59
164	Enzymatic Regulation of Self-Assembling Peptide A9K2 Nanostructures and Hydrogelation with Highly Selective Antibacterial Activities. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 15093-102	9.5	58
163	Generation of acetoin and its derivatives in foods. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 6487-97	5.7	58
162	Lysozyme mediated calcium carbonate mineralization. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 332, 96-103	9.3	56
161	Nanoribbons self-assembled from short peptides demonstrate the formation of polar zippers between sheets. <i>Nature Communications</i> , <b>2018</b> , 9, 5118	17.4	56
160	Role of ovalbumin in the stabilization of metastable vaterite in calcium carbonate biomineralization. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 8975-82	3.4	55

159	Latherin: a surfactant protein of horse sweat and saliva. <i>PLoS ONE</i> , <b>2009</b> , 4, e5726	3.7	55
158	A technical review of face mask wearing in preventing respiratory COVID-19 transmission. <i>Current Opinion in Colloid and Interface Science</i> , <b>2021</b> , 52, 101417	7.6	55
157	Dynamic self-assembly of surfactant-like peptides A6K and A9K. <i>Soft Matter</i> , <b>2009</b> , 5, 3870	3.6	54
156	Dynamic adsorption of monoclonal antibody layers on hydrophilic silica surface: a combined study by spectroscopic ellipsometry and AFM. <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 323, 18-25	9.3	54
155	Substrate chemistry influences the morphology and biological function of adsorbed extracellular matrix assemblies. <i>Biomaterials</i> , <b>2005</b> , 26, 7192-206	15.6	52
154	A novel alkaliphilic bacillus esterase belongs to the 13(th) bacterial lipolytic enzyme family. <i>PLoS ONE</i> , <b>2013</b> , 8, e60645	3.7	52
153	Intracellular microrheology of motile Amoeba proteus. <i>Biophysical Journal</i> , <b>2008</b> , 94, 3313-22	2.9	49
152	Solvent Controlled Structural Transition of KI4K Self-Assemblies: from Nanotubes to Nanofibrils. <i>Langmuir</i> , <b>2015</b> , 31, 12975-83	4	48
151	Adsorption of beta-hairpin peptides on the surface of water: a neutron reflection study. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 3751-7	16.4	47
150	High cell selectivity and low-level antibacterial resistance of designed amphiphilic peptide G(IKK)(3)I-NH(2). <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 16529-36	9.5	46
149	Recent advances in short peptide self-assembly: from rational design to novel applications. <i>Current Opinion in Colloid and Interface Science</i> , <b>2020</b> , 45, 1-13	7.6	46
148	Hydrogelation of the Short Self-Assembling Peptide I3QGK Regulated by Transglutaminase and Use For Rapid Hemostasis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 17833-41	9.5	45
147	Real time, high resolution studies of protein adsorption and structure at the solid-liquid interface using dual polarization interferometry. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, S2493-S2496	1.8	44
146	Solution behavior and activity of a halophilic esterase under high salt concentration. <i>PLoS ONE</i> , <b>2009</b> , 4, e6980	3.7	44
145	Tuning gelation kinetics and mechanical rigidity of hairpin peptide hydrogels via hydrophobic amino acid substitutions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 14360-8	9.5	43
144	Ranaspumin-2: structure and function of a surfactant protein from the foam nests of a tropical frog. <i>Biophysical Journal</i> , <b>2009</b> , 96, 4984-92	2.9	43
143	Thermoresponsive microgel films for harvesting cells and cell sheets. <i>Biomacromolecules</i> , <b>2013</b> , 14, 3615-25	6.25	42
142	Enzyme aggregation in ionic liquids studied by dynamic light scattering and small angle neutron scattering. <i>Green Chemistry</i> , <b>2007</b> , 9, 859	10	42

141	Interfacial nano-structuring of designed peptides regulated by solution pH. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 8940-7	16.4	41
140	The reduced adsorption of lysozyme at the phosphorylcholine incorporated polymer/aqueous solution interface studied by spectroscopic ellipsometry. <i>Biomaterials</i> , <b>1999</b> , 20, 1501-11	15.6	41
139	Neutron reflection from the liquid-liquid interface: adsorption of hexadecylphosphorylcholine to the hexadecane-aqueous solution interface. <i>Langmuir</i> , <b>2005</b> , 21, 11704-9	4	40
138	Enzyme-Triggered Morphological Transition of Peptide Nanostructures for Tumor-Targeted Drug Delivery and Enhanced Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 16357-16366	9.5	39
137	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> , <b>2012</b> , 9, 2457-67	4.1	39
136	Surface structural conformations of fibrinogen polypeptides for improved biocompatibility. <i>Biomaterials</i> , <b>2010</b> , 31, 3781-92	15.6	39
135	Influence of ovalbumin on CaCO <sub>3</sub> precipitation during in vitro biomineralization. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 5301-8	3.4	38
134	Dual modes of antitumor action of an amphiphilic peptide A(9)K. <i>Biomaterials</i> , <b>2013</b> , 34, 2731-7	15.6	36
133	Interfacial assembly of proteins and peptides: recent examples studied by neutron reflection. <i>Journal of the Royal Society Interface</i> , <b>2009</b> , 6 Suppl 5, S659-70	4.1	36
132	Surface-induced unfolding of human lactoferrin. <i>Langmuir</i> , <b>2005</b> , 21, 3354-61	4	36
131	Mixing in cationic surfactant films studied by small-angle neutron scattering. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1998</b> , 94, 2143-2150		35
130	Adsorption of Glucose Oxidase at Organic/Aqueous and Air/Aqueous Interfaces. <i>Langmuir</i> , <b>2003</b> , 19, 4977-4984	4	35
129	Beta-casein adsorption at the hydrophobized silicon oxide-aqueous solution interface and the effect of added electrolyte. <i>Biomacromolecules</i> , <b>2001</b> , 2, 278-87	6.9	35
128	Rational design, properties, and applications of biosurfactants: a short review of recent advances. <i>Current Opinion in Colloid and Interface Science</i> , <b>2020</b> , 45, 57-67	7.6	35
127	Direct exfoliation of graphite into graphene in aqueous solutions of amphiphilic peptides. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 152-161	7.3	34
126	Implications of lipid monolayer charge characteristics on their selective interactions with a short antimicrobial peptide. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 150, 308-316	6	34
125	Interfacial dynamic adsorption and structure of molecular layers of peptide surfactants. <i>Langmuir</i> , <b>2010</b> , 26, 5690-6	4	34
124	Cationic copolymer-mediated DNA immobilization: interfacial structure and composition as determined by ellipsometry, dual polarization interferometry, and neutron reflection. <i>Langmuir</i> , <b>2008</b> , 24, 13556-64	4	34

123	Structure of hydrocarbon chains in surfactant monolayers at the air/water interface: neutron reflection from dodecyl trimethylammonium bromide. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1996</b> , 92, 403		34
122	Surface Physical Activity and Hydrophobicity of Designed Helical Peptide Amphiphiles Control Their Bioactivity and Cell Selectivity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 26501-26510	9.5	32
121	Characterization of Porphyrins Using Ultraviolet-Visible Spectroscopy and Laser Desorption Ionization Time-of-Flight Mass Spectrometry. <i>Energy &amp; Fuels</i> , <b>2005</b> , 19, 517-524	4.1	32
120	Controlling the Diameters of Nanotubes Self-Assembled from Designed Peptide Amphiphiles. <i>Small</i> , <b>2018</b> , 14, e1703216	11	31
119	Designed short RGD peptides for one-pot aqueous synthesis of integrin-binding CdTe and CdZnTe quantum dots. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 6362-70	9.5	31
118	Thermoresponsive copolymer nanofilms for controlling cell adhesion, growth, and detachment. <i>Langmuir</i> , <b>2010</b> , 26, 17304-14	4	31
117	Interfacial adsorption of fibrinogen and its inhibition by RGD peptide: a combined physical study. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, S2483-S2491	1.8	31
116	Different nanostructures caused by competition of intra- and inter-sheet interactions in hierarchical self-assembly of short peptides. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 464, 219-28	9.3	30
115	Label-free detection of human prostate-specific antigen (hPSA) using film bulk acoustic resonators (FBARs). <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 190, 946-953	8.5	30
114	Peptide Self-Assembled Nanostructures with Distinct Morphologies and Properties Fabricated by Molecular Design. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39174-39184	9.5	29
113	Protein functionalized ZnO thin film bulk acoustic resonator as an odorant biosensor. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 163, 242-246	8.5	29
112	Solution pH-regulated interfacial adsorption of diblock phosphorylcholine copolymers. <i>Langmuir</i> , <b>2005</b> , 21, 9597-603	4	29
111	Hydrophobic Control of the Bioactivity and Cytotoxicity of de Novo-Designed Antimicrobial Peptides. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 34609-34620	9.5	28
110	Graphene Oxide-Assisted Accumulation and Layer-by-Layer Assembly of Antibacterial Peptide for Sustained Release Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 24937-24946	9.5	28
109	Influence of molecular structure on the size, shape, and nanostructure of nonionic C(n)E(m) surfactant micelles. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 179-88	3.4	28
108	Fibronectin conformation switch induced by coadsorption with human serum albumin. <i>Langmuir</i> , <b>2011</b> , 27, 312-9	4	27
107	Molecular Modulation of Calcite Dissolution by Organic Acids. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 3153-3162	3.1	27
106	Interfacial assembly of cationic peptide surfactants. <i>Soft Matter</i> , <b>2009</b> , 5, 1630	3.6	27

105	Controlled delivery of antisense oligodeoxynucleotide from cationically modified phosphorylcholine polymer films. <i>Biomacromolecules</i> , <b>2006</b> , 7, 784-91	6.9	27
104	Controllable stabilization of poly(N-isopropylacrylamide)-based microgel films through biomimetic mineralization of calcium carbonate. <i>Biomacromolecules</i> , <b>2012</b> , 13, 2299-308	6.9	25
103	Microemulsions with Didodecyldimethylammonium Bromide Studied by Neutron Contrast Variation. <i>Journal of Colloid and Interface Science</i> , <b>1997</b> , 190, 449-55	9.3	25
102	Fabrication of Patterned Thermoresponsive Microgel Strips on Cell-Adherent Background and Their Application for Cell Sheet Recovery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 1255-1262	9.5	24
101	Acetoin catabolism and acetylbutanediol formation by <i>Bacillus pumilus</i> in a chemically defined medium. <i>PLoS ONE</i> , <b>2009</b> , 4, e5627	3.7	24
100	Nanostructure of polyplexes formed between cationic diblock copolymer and antisense oligodeoxynucleotide and its influence on cell transfection efficiency. <i>Biomacromolecules</i> , <b>2007</b> , 8, 3493-502	6.9	24
99	Surfactant-like peptides: From molecular design to controllable self-assembly with applications. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 421, 213418	23.2	23
98	Amino acid side chains affect the bioactivity of designed short peptide amphiphiles. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 2359-2368	7.3	23
97	Structural Features of Micelles of Zwitterionic Dodecyl-phosphocholine (CPC) Surfactants Studied by Small-Angle Neutron Scattering. <i>Langmuir</i> , <b>2015</b> , 31, 9781-9	4	22
96	Multiple path length dual polarization interferometry. <i>Optics Express</i> , <b>2009</b> , 17, 10959-69	3.3	22
95	Relationship between the structural conformation of monoclonal antibody layers and antigen binding capacity. <i>Biomacromolecules</i> , <b>2007</b> , 8, 2422-8	6.9	22
94	Surface active complexes formed between keratin polypeptides and ionic surfactants. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 484, 125-134	9.3	22
93	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> , <b>2014</b> , 118, 12501-10	3.4	21
92	Self-Assembly of Mesoscopic Peptide Surfactant Fibrils Investigated by STORM Super-Resolution Fluorescence Microscopy. <i>Biomacromolecules</i> , <b>2017</b> , 18, 3481-3491	6.9	21
91	What happens when pesticides are solubilized in nonionic surfactant micelles. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 541, 175-182	9.3	21
90	Effects of anions on nanostructuring of cationic amphiphilic peptides. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 11862-71	3.4	20
89	Coadsorption of human milk lactoferrin into the dipalmitoylglycerolphosphatidylcholine phospholipid monolayer spread at the air/water interface. <i>Biophysical Journal</i> , <b>2007</b> , 92, 1254-62	2.9	20
88	Influence of Acyl Chain Saturation on the Membrane-Binding Activity of a Short Antimicrobial Peptide. <i>ACS Omega</i> , <b>2017</b> , 2, 7482-7492	3.9	19

87	Tuning One-Dimensional Nanostructures of Bola-Like Peptide Amphiphiles by Varying the Hydrophilic Amino Acids. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 11394-404	4.8	19
86	Self-assembled two-dimensional thermoresponsive microgel arrays for cell growth/detachment control. <i>Biomacromolecules</i> , <b>2014</b> , 15, 4021-31	6.9	18
85	Copper(II)-Mediated Self-Assembly of Hairpin Peptides and Templated Synthesis of CuS Nanowires. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 1953-8	4.5	18
84	Plasmid DNA complexation with phosphorylcholine diblock copolymers and its effect on cell transfection. <i>Langmuir</i> , <b>2008</b> , 24, 6881-8	4	18
83	Interfacial adsorption of cationic peptide amphiphiles: a combined study of in situ spectroscopic ellipsometry and liquid AFM. <i>Soft Matter</i> , <b>2012</b> , 8, 645-652	3.6	17
82	Interfacial Dissociation and Unfolding of Glucose Oxidase. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 3954-3962	3.4	17
81	Membrane-lytic actions of sulphonated methyl ester surfactants and implications to bactericidal effect and cytotoxicity. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 531, 18-27	9.3	16
80	Controlled release of hydrophilic guest molecules from photoresponsive nucleolipid vesicles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 6232-6	9.5	16
79	Optical extinction combined with phase measurements for probing DNA-small-molecule interactions using an evanescent waveguide biosensor. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 5455-62	7.8	16
78	Measurement of the thickness of ultra-thin adsorbed globular protein layers with dual-polarisation interferometry: a comparison with neutron reflectivity. <i>Soft Matter</i> , <b>2011</b> , 7, 7223	3.6	15
77	Interfacial adsorption of antifreeze proteins: a neutron reflection study. <i>Biophysical Journal</i> , <b>2008</b> , 94, 4405-13	2.9	15
76	Thermal fluctuations of fibres at short time scales. <i>Soft Matter</i> , <b>2008</b> , 4, 1438-1442	3.6	15
75	Antibody adsorption on the surface of water studied by neutron reflection. <i>MAbs</i> , <b>2017</b> , 9, 466-475	6.6	14
74	Determination of PMMA Residues on a Chemical-Vapor-Deposited Monolayer of Graphene by Neutron Reflection and Atomic Force Microscopy. <i>Langmuir</i> , <b>2018</b> , 34, 1827-1833	4	14
73	Controlled silica deposition on self-assembled peptide nanostructures via varying molecular structures of short amphiphilic peptides. <i>Soft Matter</i> , <b>2014</b> , 10, 7623-9	3.6	14
72	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> , <b>2015</b> , 469, 263-270	5.1	14
71	Interfacial adsorption and denaturation of human milk and recombinant rice lactoferrin. <i>Biointerphases</i> , <b>2008</b> , 3, FB36	1.8	14
70	DNA immobilization using biocompatible diblock phosphorylcholine copolymers. <i>Surface and Interface Analysis</i> , <b>2006</b> , 38, 548-551	1.5	14



69	Aggregated Amphiphilic Antimicrobial Peptides Embedded in Bacterial Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 44420-44432	9.5	14
68	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> , <b>2018</b> , 513, 379-388	9.3	14
67	Neutron Reflection Study of Surface Adsorption of Fc, Fab, and the Whole mAb. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 23202-23211	9.5	13
66	Patterned Thermo-responsive Microgel Surfaces to Control Cell Detachment. <i>Biomacromolecules</i> , <b>2016</b> , 17, 572-9	6.9	13
65	The structure and mass of heterogeneous thin films measured with dual polarization interferometry and ellipsometry. <i>RSC Advances</i> , <b>2013</b> , 3, 3316	3.7	13
64	Interfacial adsorption of lipopeptide surfactants at the silica/water interface studied by neutron reflection. <i>Soft Matter</i> , <b>2011</b> , 7, 1777-1788	3.6	13
63	Smart Textiles with Janus Wetting and Wicking Properties Fabricated by Graphene Oxide Coatings. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2001427	4.6	13
62	Interfacial Adsorption of Monoclonal Antibody COE-3 at the Solid/Water Interface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 1306-1316	9.5	13
61	Structural features of reconstituted wheat wax films. <i>Journal of the Royal Society Interface</i> , <b>2016</b> , 13,	4.1	12
60	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> , <b>2012</b> , 12, 2594-2601	3.5	12
59	Improving genetic immobilization of a cellulase on yeast cell surface for bioethanol production using cellulose. <i>Journal of Basic Microbiology</i> , <b>2013</b> , 53, 381-9	2.7	12
58	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> , <b>2011</b> , 27, 8798-809	4	12
57	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> , <b>2019</b> , 548, 244-254	9.3	11
56	Self-assembly and nanoaggregation of a pH responsive DNA hybrid amphiphile. <i>Soft Matter</i> , <b>2015</b> , 11, 1748-54	3.6	11
55	Interfacial Adsorption of Silk Fibroin Peptides and Their Interaction with Surfactants at the Solid-Water Interface. <i>Langmuir</i> , <b>2016</b> , 32, 8202-11	4	11
54	Redox modulated hydrogelation of a self-assembling short peptide amphiphile. <i>Science Bulletin</i> , <b>2012</b> , 57, 4296-4303		11
53	Ultrafast bone-like apatite formation on highly porous poly(L-lactic acid)-hydroxyapatite fibres. <i>Materials Science and Engineering C</i> , <b>2020</b> , 116, 111168	8.3	10
52	Modulation of Antimicrobial Peptide Conformation and Aggregation by Terminal Lipidation and Surfactants. <i>Langmuir</i> , <b>2020</b> , 36, 1737-1744	4	10

51	Stress fermentation strategies for the production of hyperthermostable superoxide dismutase from <i>Thermus thermophilus</i> HB27: effects of ions. <i>Extremophiles</i> , <b>2013</b> , 17, 995-1002	3	10
50	How do Self-Assembling Antimicrobial Lipopeptides Kill Bacteria?. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 55675-55687	9.5	10
49	Interplay between Intrinsic Conformational Propensities and Intermolecular Interactions in the Self-Assembly of Short Surfactant-like Peptides Composed of Leucine/Isoleucine. <i>Langmuir</i> , <b>2016</b> , 32, 4662-72	4	10
48	Tuning self-assembled morphology of the A(16-22) peptide by substitution of phenylalanine residues. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 147, 116-123	6	10
47	Influence of Conventional Surfactants on the Self-Assembly of a Bola Type Amphiphilic Peptide. <i>Langmuir</i> , <b>2017</b> , 33, 5446-5455	4	9
46	Crystal Growth of Calcite Mediated by Ovalbumin and Lysozyme: Atomic Force Microscopy Study. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 1583-1589	3.5	9
45	Interfacial immobilisation of DNA molecules. <i>Annual Reports on the Progress of Chemistry Section C</i> , <b>2007</b> , 103, 261		9
44	Recent Advances in Studying Interfacial Adsorption of Bioengineered Monoclonal Antibodies. <i>Molecules</i> , <b>2020</b> , 25,	4.8	8
43	Structural Features of Reconstituted Cuticular Wax Films upon Interaction with Nonionic Surfactant CE. <i>Langmuir</i> , <b>2018</b> , 34, 3395-3404	4	8
42	Interfacial structure and history dependent activity of immobilised antibodies in model pregnancy tests. <i>Soft Matter</i> , <b>2012</b> , 8, 9847	3.6	8
41	Self-Assembly of Magnetic Bacillus-Shaped Bilayer Vesicles in Catanionic Surfactant Solutions. <i>Langmuir</i> , <b>2016</b> , 32, 10226-10234	4	8
40	How does solubilisation of plant waxes into nonionic surfactant micelles affect pesticide release?. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 556, 650-657	9.3	7
39	Co-adsorption of peptide amphiphile V(6)K and conventional surfactants SDS and C(12)TAB at the solid/water interface. <i>Soft Matter</i> , <b>2015</b> , 11, 7986-94	3.6	7
38	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> , <b>2020</b> , 575, 245-253	9.3	7
37	Interfacial structure of immobilized antibodies and perdeuterated HSA in model pregnancy tests measured with neutron reflectivity. <i>Langmuir</i> , <b>2014</b> , 30, 5880-7	4	7
36	Interfacial assembly of lipopeptide surfactants on octyltrimethoxysilane-modified silica surface. <i>Soft Matter</i> , <b>2013</b> , 9, 9684-91	3.6	7
35	Unexpected Role of Achiral Glycine in Determining the Suprastructural Handedness of Peptide Nanofibrils. <i>ACS Nano</i> , <b>2021</b> , 15, 10328-10341	16.7	7
34	Interfacial Adsorption of a Monoclonal Antibody and Its Fab and Fc Fragments at the Oil/Water Interface. <i>Langmuir</i> , <b>2019</b> , 35, 13543-13552	4	6

33	Active Modulation of States of Prestress in Self-Assembled Short Peptide Gels. <i>Biomacromolecules</i> , <b>2019</b> , 20, 1719-1730	6.9	6
32	Adsorption of polyethyleneimine characterized by spectroscopic ellipsometry. <i>Progress in Natural Science: Materials International</i> , <b>2005</b> , 15, 56-59	3.6	6
31	Surface adsorption and solution aggregation of a novel lauroyl-L-carnitine surfactant. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 591, 106-114	9.3	6
30	Monolayer wall nanotubes self-assembled from short peptide bolaamphiphiles. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 583, 553-562	9.3	6
29	Effects of Conventional Surfactants on the Activity of Designed Antimicrobial Peptide. <i>Langmuir</i> , <b>2020</b> , 36, 3531-3539	4	5
28	2 Neutron reflection studies of interactions between surfactants and proteins at interfaces. <i>Annual Reports on the Progress of Chemistry Section C</i> , <b>2002</b> , 98, 3-32		5
27	Development of a novel 3D intestinal model for permeability evaluations. <i>International Journal of Food Sciences and Nutrition</i> , <b>2020</b> , 71, 549-562	3.7	5
26	Structural Disruptions of the Outer Membranes of Gram-Negative Bacteria by Rationally Designed Amphiphilic Antimicrobial Peptides. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 16062-16074	9.5	5
25	Coadsorption of a Monoclonal Antibody and Nonionic Surfactant at the SiO <sub>2</sub> /Water Interface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 44257-44266	9.5	5
24	Unusual surface and solution behaviour of keratin polypeptides. <i>RSC Advances</i> , <b>2016</b> , 6, 105192-105201	3.7	4
23	Metal-insulator-metal diodes based on alkyltrichlorosilane self-assembled monolayers. <i>AIP Advances</i> , <b>2019</b> , 9, 065017	1.5	4
22	Markov Chain Modeling of Surfactant Critical Micelle Concentration and Surface Composition. <i>Langmuir</i> , <b>2019</b> , 35, 561-569	4	4
21	Single-Molecule Study of Peptide Gel Dynamics Reveals States of Prestress. <i>Langmuir</i> , <b>2018</b> , 34, 14678-14689	4.689	4
20	Quenched Stochastic Optical Reconstruction Microscopy (qSTORM) with Graphene Oxide. <i>Scientific Reports</i> , <b>2018</b> , 8, 16928	4.9	4
19	Virus-like supramolecular assemblies formed by cooperation of base pairing interaction and peptidic association. <i>Science China Chemistry</i> , <b>2016</b> , 59, 310-315	7.9	3
18	Assessing the Risk of Resistance to Cationic Biocides incorporating Realism-based and Biophysical Approaches. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2021</b> ,	4.2	3
17	Ordered Nanofibers Fabricated from Hierarchical Self-Assembling Processes of Designed Helical Peptides. <i>Small</i> , <b>2020</b> , 16, e2003945	11	3
16	What happens when pesticides are solubilised in binary ionic/zwitterionic-nonionic mixed micelles?. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 586, 190-199	9.3	3

15	Peptide nucleic acid-ionic self-complementary peptide conjugates: highly efficient DNA condensers with specific condensing mechanism. <i>RSC Advances</i> , <b>2017</b> , 7, 3796-3803	3-7	2
14	Cyclic arginylglycylaspartic acid (RGD) peptide-induced synthesis of uniform and stable one-dimensional CdTe nanostructures in aqueous solution. <i>RSC Advances</i> , <b>2014</b> , 4, 11794	3-7	2
13	Molecular biophysics underlying gene delivery. <i>Annual Reports on the Progress of Chemistry Section C</i> , <b>2010</b> , 106, 305		2
12	Degradation of fungicide carbendazim in aqueous solution by sonolytic ozonation <b>2011</b> ,		2
11	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> , <b>2016</b> , 34, 163-72	4-2	2
10	Structural elucidation upon binding of antimicrobial peptides into binary mixed lipid monolayers mimicking bacterial membranes. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 598, 193-205	9-3	2
9	Temperature Resistant Binary SLES/Nonionic Surfactant Mixtures at the Air/Water Interface. <i>Langmuir</i> , <b>2018</b> , 34, 9442-9452	4	1
8	Surface properties of nucleolipids and photo-controlled release of hydrophobic guest molecules from their micellar aggregates. <i>Soft Matter</i> , <b>2014</b> , 10, 7218-24	3-6	1
7	Anisotropic formation mechanism and nanomechanics for the self-assembly process of cross- $\beta$ peptides. <i>Chinese Physics B</i> , <b>2017</b> , 26, 128701	1-2	1
6	The effect of antibody surface packing density on its antigen binding capacity. <i>Progress in Natural Science: Materials International</i> , <b>2005</b> , 15, 139-144	3-6	1
5	Interfacial Assembly Inspired by Marine Mussels and Antifouling Effects of Polypeptoids: A Neutron Reflection Study. <i>Langmuir</i> , <b>2020</b> , 36, 12309-12318	4	1
4	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> , <b>2022</b> , 618, 78-87	9-3	1
3	How do chain lengths of acyl-l-carnitines affect their surface adsorption and solution aggregation?. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 609, 491-491	9-3	0
2	How do terminal modifications of short designed IKK peptide amphiphiles affect their antifungal activity and biocompatibility?. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 608, 193-206	9-3	0
1	Implications of surfactant hydrophobic chain architecture on the Surfactant-Skin lipid model interaction. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 608, 405-415	9-3	