Calum J Drummond

List of Publications by Year
in descending order

204 papers	13,598 citations	36691 53 h-index	27587 110 g-index
204 all docs	204 docs citations	204 times ranked	11921 citing authors

#	Article	IF	Citations
1	Protic Ionic Liquids:â€‰ Properties and Applications. Chemical Reviews, 2008, 108, 206-237.	23.0	2,104
2	Protic Ionic Liquids: Evolving Structureâ€“Property Relationships and Expanding Applications. Chemical Reviews, 2015, 115, 11379-11448.	23.0	726
3	Ionic liquids as amphiphile self-assembly media. Chemical Society Reviews, 2008, 37, 1709.	18.7	500
4	Protic Ionic Liquids:Â Solvents with Tunable Phase Behavior and Physicochemical Properties. Journal of Physical Chemistry B, 2006, 110, 22479-22487.	1.2	458
5	Surfactant self-assembly objects as novel drug delivery vehicles. Current Opinion in Colloid and Interface Science, 1999, 4, 449-456.	3.4	446
6	Solvent nanostructure, the solvophobic effect and amphiphile self-assembly in ionic liquids. Chemical Society Reviews, 2013, 42, 1096-1120.	18.7	333
7	Lyotropic liquid crystal engineeringâ€“ordered nanostructured small molecule amphiphileself-assembly materials by design. Chemical Society Reviews, 2012, 41, 1297-1322.	18.7	280
8	Advances in drug delivery and medical imaging using colloidal lyotropic liquid crystalline dispersions. Journal of Colloid and Interface Science, 2013, 393, 1-20.	5.0	269
9	Ordered 2-D and 3-D nanostructured amphiphile self-assembly materials stable in excess solvent. Physical Chemistry Chemical Physics, 2006, 8, 4957.	1.3	235
10	Diversity Observed in the Nanostructure of Protic Ionic Liquids. Journal of Physical Chemistry B, 2010, 114, 10022-10031.	1.2	231
11	Direct force measurements between titanium dioxide surfaces. Journal of the American Chemical Society, 1993, 115, 11885-11890.	6.6	226
12	Surface chemistry and tip-sample interactions in atomic force microscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1995, 94, 29-51.	2.3	223
13	Protic Ionic Liquids:â€‰ Physicochemical Properties and Behavior as Amphiphile Self-Assembly Solvents. Journal of Physical Chemistry B, 2008, 112, 896-905.	1.2	190
14	Hierarchically Porous Monolithic LiFePO₄/Carbon Composite Electrode Materials for High Power Lithium Ion Batteries. Chemistry of Materials, 2009, 21, 5300-5306.	3.2	189
15	Steric stabilisation of self-assembled cubic lyotropic liquid crystalline nanoparticles: high throughput evaluation of triblock polyethylene oxide-polypropylene oxide-polyethylene oxide copolymers. Soft Matter, 2011, 7, 4768.	1.2	175
16	Non-Lamellar Lyotropic Liquid Crystalline Lipid Nanoparticles for the Next Generation of Nanomedicine. ACS Nano, 2019, 13, 6178-6206.	7.3	166
17	Colloidal Crystal Templating to Produce Hierarchically Porous LiFePO4 Electrode Materials for High Power Lithium Ion Batteries. Chemistry of Materials, 2009, 21, 2895-2903.	3.2	163
18	Lyotropic liquid crystal engineering moving beyond binary compositional space â€“ ordered nanostructured amphiphile self-assembly materials by design. Chemical Society Reviews, 2017, 46, 2705-2731.	18.7	155

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19	Many Protic Ionic Liquids Mediate Hydrocarbon-Solvent Interactions and Promote Amphiphile Self-Assembly. Langmuir, 2007, 23, 402-404.	1.6	147
20	Atomic Force Microscopy: Imaging with Electrical Double Layer Interactions. Langmuir, 1994, 10, 358-362.	1.6	141
21	A single spectroscopic probe for the determination of both the interfacial solvent properties and electrostatic surface potential of model lipid membranes. Faraday Discussions of the Chemical Society, 1986, 81, 95.	2.2	137
22	Nanostructured Protic Ionic Liquids Retain Nanoscale Features in Aqueous Solution While Precursor BrÃ¸nsted Acids and Bases Exhibit Different Behavior. Journal of Physical Chemistry B, 2011, 115, 2055-2066.	1.2	131
23	Protic Ionic Liquids and Ionicity. Australian Journal of Chemistry, 2007, 60, 21.	0.5	120
24	Formation of Amphiphile Self-Assembly Phases in Protic Ionic Liquids. Journal of Physical Chemistry B, 2007, 111, 4082-4088.	1.2	109
25	Nanostructured bicontinuous cubic lipid self-assembly materials as matrices for protein encapsulation. Soft Matter, 2013, 9, 3449.	1.2	105
26	Paclitaxel-Loaded Self-Assembled Lipid Nanoparticles as Targeted Drug Delivery Systems for the Treatment of Aggressive Ovarian Cancer. ACS Applied Materials & Interfaces, 2018, 10, 25174-25185.	4.0	102
27	Encapsulation in egg white protein nanoparticles protects anti-oxidant activity of curcumin. Food Chemistry, 2019, 280, 65-72.	4.2	101
28	Protic ionic liquids with fluorous anions: physicochemical properties and self-assembly nanostructure. Physical Chemistry Chemical Physics, 2012, 14, 7981.	1.3	96
29	High-Throughput Discovery of Novel Steric Stabilizers for Cubic Lyotropic Liquid Crystal Nanoparticle Dispersions. Langmuir, 2012, 28, 9223-9232.	1.6	95
30	Nanostructure changes in protic ionic liquids (PILs) through adding solutes and mixing PILs. Physical Chemistry Chemical Physics, 2011, 13, 13501.	1.3	94
31	Disposition and association of the steric stabilizer PluronicÂ® F127 in lyotropic liquid crystalline nanostructured particle dispersions. Journal of Colloid and Interface Science, 2013, 392, 288-296.	5.0	92
32	Nanostructure and cytotoxicity of self-assembled monooleinâ€"capric acid lyotropic liquid crystalline nanoparticles. RSC Advances, 2015, 5, 26785-26795.	1.7	91
33	Examination of the geometry of long-range tipâ€"sample interaction in atomic force microscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1994, 87, 217-234.	2.3	90
34	Sugar fatty acid ester surfactants: Structure and ultimate aerobic biodegradability. Journal of Surfactants and Detergents, 2000, 3, 1-11.	1.0	89
35	Lipidâ€"PEG Conjugates Sterically Stabilize and Reduce the Toxicity of Phytantriol-Based Lyotropic Liquid Crystalline Nanoparticles. Langmuir, 2015, 31, 10871-10880.	1.6	88
36	High throughput preparation and characterisation of amphiphilic nanostructured nanoparticulate drug delivery vehicles. International Journal of Pharmaceutics, 2010, 395, 290-297.	2.6	85

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37	Effects of Degassing on the Long-Range Attractive Force between Hydrophobic Surfaces in Water. Langmuir, 2005, 21, 6399-6405.	1.6	79
38	Nanostructured nanoparticles of self-assembled lipid pro-drugs as a route to improved chemotherapeutic agents. Nanoscale, 2011, 3, 919-924.	2.8	77
39	Preparation, Characterization, and Antimicrobial Activity of Cubosome Encapsulated Metal Nanocrystals. ACS Applied Materials & Interfaces, 2020, 12, 6944-6954.	4.0	75
40	Theory of Contact Angles and the Free Energy of Formation of Ionizable Surfaces: Application to Heptylamine Radio-Frequency Plasma-Deposited Films. Langmuir, 1995, 11, 4122-4128.	1.6	74
41	Comparison of Techniques for Measuring the Electrical Double Layer Properties of Surfaces in Aqueous Solution: Hexadecyltrimethylammonium Bromide Self-Assembly Structures as a Model System. Langmuir, 1995, 11, 2367-2375.	1.6	73
42	Fusion dynamics of cubosome nanocarriers with model cell membranes. Nature Communications, 2019, 10, 4492.	5.8	73
43	Epidermal growth factor receptor-targeted lipid nanoparticles retain self-assembled nanostructures and provide high specificity. Nanoscale, 2015, 7, 2905-2913.	2.8	69
44	Design of ultra-swollen lipidic mesophases for the crystallization of membrane proteins with large extracellular domains. Nature Communications, 2018, 9, 544.	5.8	69
45	Non-ionic sugar-based surfactants: Self assembly and air/water interfacial activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1995, 102, 91-97.	2.3	68
46	High performance LiFePO4 electrode materials: influence of colloidal particle morphology and porosity on lithium-ion battery power capability. Energy and Environmental Science, 2010, 3, 813.	15.6	66
47	Observing Self-Assembled Lipid Nanoparticles Building Order and Complexity through Low-Energy Transformation Processes. ACS Nano, 2009, 3, 2789-2797.	7.3	64
48	Incorporation of antimicrobial peptides in nanostructured lipid membrane mimetic bilayer cubosomes. Colloids and Surfaces B: Biointerfaces, 2017, 152, 143-151.	2.5	61
49	Long-Range Force of Attraction between Solvophobic Surfaces in Water and Organic Liquids Containing Dissolved Airâ€. Langmuir, 2000, 16, 631-635.	1.6	59
50	Positional Isomers of Linear Sodium Dodecyl Benzene Sulfonate:Â Solubility, Self-Assembly, and Air/Water Interfacial Activity. Langmuir, 2006, 22, 8646-8654.	1.6	58
51	New Role for Urea as a Surfactant Headgroup Promoting Self-Assembly in Water. Chemistry of Materials, 2006, 18, 594-597.	3.2	57
52	Protic ionic liquids (PILs) nanostructure and physicochemical properties: development of high-throughput methodology for PIL creation and property screens. Physical Chemistry Chemical Physics, 2015, 17, 2357-2365.	1.3	57
53	Multi-scale Cryptosporidium/sand interactions in water treatment. Water Research, 2006, 40, 3315-3331.	5.3	55
54	Manipulating the Ordered Nanostructure of Self-Assembled Monoolein and Phytantriol Nanoparticles with Unsaturated Fatty Acids. Langmuir, 2018, 34, 2764-2773.	1.6	54

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55	ET(30) as a probe for the interfacial microenvironment of water-in-oil microemulsions. Journal of Colloid and Interface Science, 1989, 128, 602-604.	5.0	52
56	High-Throughput Screening of Saturated Fatty Acid Influence on Nanostructure of Lyotropic Liquid Crystalline Lipid Nanoparticles. Langmuir, 2016, 32, 4509-4520.	1.6	52
57	Oocysts of Cryptosporidium parvum and model sand surfaces in aqueous solutions: an atomic force microscope (AFM) study. Water Research, 2002, 36, 3421-3428.	5.3	51
58	Laterally-Resolved Force Microscopy of Biological MicrospheresOocysts ofCryptosporidiumParvum. Langmuir, 2000, 16, 1323-1330.	1.6	50
59	FTIR Spectroscopic Study of the Secondary Structure of Globular Proteins in Aqueous Protic Ionic Liquids. Frontiers in Chemistry, 2019, 7, 74.	1.8	50
60	Surface Roughness and Surface Force Measurement:Â A Comparison of Electrostatic Potentials Derived from Atomic Force Microscopy and Electrophoretic Mobility Measurements. Langmuir, 2001, 17, 7777-7783.	1.6	49
61	Converging layer-by-layer polyelectrolyte microcapsule and cubic lyotropic liquid crystalline nanoparticle approaches for molecular encapsulation. Soft Matter, 2011, 7, 4257.	1.2	49
62	Amphiphilic brush polymers produced using the RAFT polymerisation method stabilise and reduce the cell cytotoxicity of lipid lyotropic liquid crystalline nanoparticles. Faraday Discussions, 2016, 191, 545-563.	1.6	48
63	Polymerâ€"surfactant interactions: (Hydroxypropyl)cellulose with ionic and ion-ionic surfactants. Colloids and Surfaces, 1992, 62, 75-85.	0.9	47
64	Lyotropic liquid crystalline phase behaviour in amphiphileâ€"protic ionic liquid systems. Physical Chemistry Chemical Physics, 2012, 14, 3825.	1.3	47
65	High-Throughput Development of Amphiphile Self-Assembly Materials: Fast-Tracking Synthesis, Characterization, Formulation, Application, and Understanding. Accounts of Chemical Research, 2013, 46, 1497-1505.	7.6	47
66	Acidâ€"base equilibria in aqueous micellar solutions. Part 4.â€"Azo indicators. Journal of the Chemical Society Faraday Transactions I, 1989, 85, 561.	1.0	46
67	Evaluating Protic Ionic Liquids as Protein Crystallization Additives. Crystal Growth and Design, 2011, 11, 1777-1785.	1.4	46
68	<i>In Vitro</i> and <i>In Vivo</i> Toxicity and Biodistribution of Paclitaxel-Loaded Cubosomes as a Drug Delivery Nanocarrier: A Case Study Using an A431 Skin Cancer Xenograft Model. ACS Applied Bio Materials, 2020, 3, 4198-4207.	2.3	45
69	Layer-by-Layer Polymer Coating on Discrete Particles of Cubic Lyotropic Liquid Crystalline Dispersions (Cubosomes). Langmuir, 2013, 29, 12891-12900.	1.6	43
70	Electrostatic surface potential and critical micelle concentration relationship for ionic micelles. Langmuir, 1990, 6, 506-508.	1.6	42
71	Force of Interaction between a Biocolloid and an Inorganic Oxide:Â Complexity of Surface Deformation, Roughness, and Brushlike Behavior. Langmuir, 2001, 17, 6325-6335.	1.6	42
72	Lanthanide Oleates: Chelation, Self-assembly, and Exemplification of Ordered Nanostructured Colloidal Contrast Agents for Medical Imaging. Journal of Physical Chemistry B, 2009, 113, 15949-15959.	1.2	42

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73	ABSORPTION SPECTRA AND ACID-BASE DISSOCIATION OF THE 4-ALKYL DERIVATIVES OF 7-HYDROXYCOUMARIN IN SELF-ASSEMBLED SURFACTANT SOLUTION: COMMENTS ON THEIR USE AS ELECTROSTATIC SURFACE POTENTIAL PROBES. Photochemistry and Photobiology, 1987, 45, 19-34.	1.3	41
74	Soft ordered mesoporous materials from nonionic isoprenoid-type monoethanolamide amphiphiles self-assembled in water. Soft Matter, 2009, 5, 4823.	1.2	41
75	Chelating phytanyl-EDTA amphiphiles: self-assembly and promise as contrast agents for medical imaging. Soft Matter, 2010, 6, 5915.	1.2	41
76	Incorporation of the dopamine D2L receptor and bacteriorhodopsin within bicontinuous cubic lipid phases. 1. Relevance to in meso crystallization of integral membrane proteins in monoolein systems. Soft Matter, 2010, 6, 4828.	1.2	41
77	Nanostructure and amphiphile self-assembly in polar molecular solvents: amides and the â€œsolvophobic effectâ€. Physical Chemistry Chemical Physics, 2011, 13, 9180.	1.3	40
78	Amino Acid-derived Protic Ionic Liquids: Physicochemical Properties and Behaviour as Amphiphile Self-assembly Media. Australian Journal of Chemistry, 2011, 64, 180.	0.5	40
79	First Direct Observation of Stable Internally Ordered Janus Nanoparticles Created by Lipid Self-Assembly. Nano Letters, 2015, 15, 4229-4233.	4.5	40
80	Photochromism of a surface-active spirobenzopyran moiety in dioxaneâ€“water mixtures and self-assembled surfactant aggregates. Journal of the Chemical Society, Faraday Transactions, 1990, 86, 3613-3621.	1.7	38
81	Positron Annihilation Lifetime Spectroscopy (PALS) as a Characterization Technique for Nanostructured Self-Assembled Amphiphile Systems. Journal of Physical Chemistry B, 2009, 113, 84-91.	1.2	38
82	Lyotropic Liquid Crystalline Self-Assembly Material Behavior and Nanoparticulate Dispersions of a Phytanyl Pro-Drug Analogue of Capecitabineâˆ’A Chemotherapy Agent. ACS Applied Materials & Interfaces, 2011, 3, 1552-1561.	4.0	38
83	Novel RAFT amphiphilic brush copolymer steric stabilisers for cubosomes: poly(octadecyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.2	38
84	Predicting the release profile of small molecules from within the ordered nanostructured lipidic bicontinuous cubic phase using translational diffusion coefficients determined by PFG-NMR. Nanoscale, 2017, 9, 2471-2478.	2.8	38
85	Comparison of cubosomes and liposomes for the encapsulation and delivery of curcumin. Soft Matter, 2021, 17, 3306-3313.	1.2	38
86	Effect of protic ionic liquids (PILs) on the formation of non-ionic dodecyl poly(ethylene oxide) surfactant self-assembly structures and the effect of these surfactants on the nanostructure of PILs. Physical Chemistry Chemical Physics, 2011, 13, 20441.	1.3	37
87	Stability and activity of lysozyme in stoichiometric and non-stoichiometric protic ionic liquid (PIL)-water systems. Journal of Chemical Physics, 2018, 148, 193838.	1.2	37
88	Ordered Nanostructured Amphiphile Self-Assembly Materials from Endogenous Nonionic Unsaturated Monoethanolamide Lipids in Water. Langmuir, 2010, 26, 3084-3094.	1.6	36
89	Self-assembled Lyotropic Liquid Crystalline Phase Behavior of Monooleinâ€“Capric Acidâ€“Phospholipid Nanoparticulate Systems. Langmuir, 2017, 33, 2571-2580.	1.6	36
90	Solvation properties of protic ionic liquids and molecular solvents. Physical Chemistry Chemical Physics, 2020, 22, 114-128.	1.3	36

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91	Lanthanide Phytanates: Liquid-Crystalline Phase Behavior, Colloidal Particle Dispersions, and Potential as Medical Imaging Agents. Langmuir, 2010, 26, 6240-6249.	1.6	35
92	High-throughput analysis of the structural evolution of the monoolein cubic phase in situ under crystallogenesis conditions. Soft Matter, 2012, 8, 2310.	1.2	35
93	Activity and conformation of lysozyme in molecular solvents, protic ionic liquids (PILs) and saltâ€“water systems. Physical Chemistry Chemical Physics, 2016, 18, 25926-25936.	1.3	35
94	Micelle formation of a non-ionic surfactant in non-aqueous molecular solvents and protic ionic liquids (PILs). Physical Chemistry Chemical Physics, 2016, 18, 24377-24386.	1.3	35
95	Alkyl Chain Positional Isomers of Dodecyl Î²-d-Glucoside:Â Thermotropic and Lyotropic Phase Behavior and Detergency. Langmuir, 2001, 17, 6100-6107.	1.6	34
96	Colloidal Amphiphile Self-Assembly Particles Composed of Gadolinium Oleate and Myverol: Evaluation as Contrast Agents for Magnetic Resonance Imaging. Langmuir, 2010, 26, 2383-2391.	1.6	34
97	Incorporation of the dopamine D2L receptor and bacteriorhodopsin within bicontinuous cubic lipid phases. 2. Relevance to in meso crystallization of integral membrane proteins in novel lipid systems. Soft Matter, 2010, 6, 4838.	1.2	34
98	Novel Steric Stabilizers for Lyotropic Liquid Crystalline Nanoparticles: PEGylated-Phytanyl Copolymers. Langmuir, 2015, 31, 2615-2629.	1.6	33
99	Monodisperse nonionic phytanyl ethylene oxide surfactants: high throughput lyotropic liquid crystalline phase determination and the formation of liposomes, hexosomes and cubosomes. Soft Matter, 2010, 6, 4727.	1.2	32
100	Effect of electrolyte on the mean interfacial solvent and electrostatic characteristics of cationic micelles. Chemical Physics Letters, 1987, 140, 493-498.	1.2	31
101	Chelating oleyl-EDTA amphiphiles: self-assembly, colloidal particles, complexation with paramagnetic metal ions and promise as magnetic resonance imaging contrast agents. Soft Matter, 2011, 7, 10994.	1.2	31
102	Effect of lipid architecture on cubic phase susceptibility to crystallisation screens. Soft Matter, 2012, 8, 6884.	1.2	30
103	Linking molecular/ion structure, solvent mesostructure, the solvophobic effect and the ability of amphiphiles to self-assemble in non-aqueous liquids. Faraday Discussions, 2013, 167, 191.	1.6	30
104	The nanoscience behind the art of in-meso crystallization of membrane proteins. Nanoscale, 2017, 9, 754-763.	2.8	30
105	Nonionicn-Hexyl,n-Heptyl, andn-Octyl Urea Surfactants:Â Some Physicochemical Properties. Langmuir, 1999, 15, 4713-4721.	1.6	29
106	Enhanced uptake of an integral membrane protein, the dopamine D2L receptor, by cubic nanostructured lipidnanoparticles doped with Ni(<scp>ii</scp>) chelated EDTA amphiphiles. Soft Matter, 2011, 7, 567-578.	1.2	29
107	In Meso Crystallization: Compatibility of Different Lipid Bicontinuous Cubic Mesophases with the Cubic Crystallization Screen in Aqueous Solution. Crystal Growth and Design, 2014, 14, 1771-1781.	1.4	29
108	Fluorous protic ionic liquids exhibit discrete segregated nano-scale solvent domains and form new populations of nano-scale objects upon primary alcohol addition. Physical Chemistry Chemical Physics, 2013, 15, 7592.	1.3	28

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109	Lamellar crystalline self-assembly behaviour and solid lipid nanoparticles of a palmityl prodrug analogue of Capecitabineâ€"A chemotherapy agent. Colloids and Surfaces B: Biointerfaces, 2011, 85, 349-359.	2.5	27
110	Amphiphile Micelle Structures in the Protic Ionic Liquid Ethylammonium Nitrate and Water. Journal of Physical Chemistry B, 2015, 119, 179-191.	1.2	27
111	Micellar Fd3m cubosomes from monoolein â€" long chain unsaturated fatty acid mixtures: Stability on temperature and pH response. Journal of Colloid and Interface Science, 2020, 566, 98-106.	5.0	27
112	Cuboplex-Mediated Nonviral Delivery of Functional siRNA to Chinese Hamster Ovary (CHO) Cells. ACS Applied Materials & Interfaces, 2021, 13, 2336-2345.	4.0	27
113	Positron annihilation lifetime spectroscopy (PALS): a probe for molecular organisation in self-assembled biomimetic systems. Physical Chemistry Chemical Physics, 2015, 17, 17527-17540.	1.3	26
114	Diverse Ordered 3D Nanostructured Amphiphile Self-Assembly Materials Found in Protic Ionic Liquids. Journal of Physical Chemistry Letters, 2010, 1, 2651-2654.	2.1	25
115	Long-range ordered lyotropic liquid crystals in intermediate-range ordered protic ionic liquid used as templates for hierarchically porous silica. Journal of Materials Chemistry, 2012, 22, 10069.	6.7	25
116	Sugar fatty acid ester surfactants: Biodegradation pathways. Journal of Surfactants and Detergents, 2000, 3, 13-27.	1.0	24
117	Gadolinium-DTPA amphiphile nanoassemblies: agents for magnetic resonance imaging and neutron capture therapy. Biomaterials Science, 2014, 2, 924-935.	2.6	24
118	Chiral Glucose-Derived Surfactants:Â The Effect of Stereochemistry on Thermotropic and Lyotropic Phase Behavior. Langmuir, 2002, 18, 597-601.	1.6	23
119	Nonionic Urea Surfactants:Â Influence of Hydrocarbon Chain Length and Positional Isomerism on the Thermotropic and Lyotropic Phase Behavior. Journal of Physical Chemistry B, 2006, 110, 5112-5119.	1.2	23
120	Using SANS with Contrast-Matched Lipid Bicontinuous Cubic Phases To Determine the Location of Encapsulated Peptides, Proteins, and Other Biomolecules. Journal of Physical Chemistry Letters, 2016, 7, 2862-2866.	2.1	23
121	Toward Cell Membrane Biomimetic Lipidic Cubic Phases: A High-Throughput Exploration of Lipid Compositional Space. ACS Applied Bio Materials, 2019, 2, 182-195.	2.3	23
122	The interactions of amphiphilic latexes with surfaces: the effect of surface modifications and ionic strength. Polymer, 2002, 43, 3191-3198.	1.8	22
123	How Peptide Molecular Structure and Charge Influence the Nanostructure of Lipid Bicontinuous Cubic Mesophases: Model Synthetic WALP Peptides Provide Insights. Langmuir, 2016, 32, 6882-6894.	1.6	22
124	Exploring the structural relationship between encapsulated antimicrobial peptides and the bilayer membrane mimetic lipidic cubic phase: studies with gramicidin Aâ€². RSC Advances, 2016, 6, 68685-68694.	1.7	22
125	Solvation properties of protic ionic liquidâ€"molecular solvent mixtures. Physical Chemistry Chemical Physics, 2020, 22, 10995-11011.	1.3	22
126	Deep eutectic solvents as cryoprotective agents for mammalian cells. Journal of Materials Chemistry B, 2022, 10, 4546-4560.	2.9	22

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127	Nonionic Urea Surfactants:Â Formation of Inverse Hexagonal Lyotropic Liquid Crystalline Phases by Introducing Hydrocarbon Chain Unsaturation. Journal of Physical Chemistry B, 2006, 110, 12660-12665.	1.2	21
128	Synthetic ionizable aminolipids induce a pH dependent inverse hexagonal to bicontinuous cubic lyotropic liquid crystalline phase transition in monoolein nanoparticles. Journal of Colloid and Interface Science, 2021, 589, 85-95.	5.0	21
129	Diversifying the Solid State and Lyotropic Phase Behavior of Nonionic Urea-Based Surfactants. Journal of Physical Chemistry B, 2007, 111, 10713-10722.	1.2	20
130	Endogenous Nonionic Saturated Monoethanolamide Lipids: Solid State, Lyotropic Liquid Crystalline, and Solid Lipid Nanoparticle Dispersion Behavior. Journal of Physical Chemistry B, 2010, 114, 1729-1737.	1.2	20
131	RAFT preparation and the aqueous self-assembly of amphiphilic poly(octadecyl acrylate)- block -poly(polyethylene glycol methyl ether acrylate) copolymers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 470, 60-69.	2.3	20
132	Molecular engineering of super-swollen inverse bicontinuous cubic and sponge lipid phases for biomedical applications. Molecular Systems Design and Engineering, 2020, 5, 1354-1375.	1.7	20
133	Essay: Supercapacitors - Nanostructured Materials and Nanoscale Processes Contributing to the Next Mobile Generation. Australian Journal of Chemistry, 2001, 54, 473.	0.5	18
134	Nanostructured self-assembly materials from neat and aqueous solutions of C18 lipid pro-drug analogues of Capecitabineâ€"a chemotherapy agent. Focus on nanoparticulate cubosomesâ„¢ of the oleyl analogue. Soft Matter, 2011, 7, 5764.	1.2	18
135	The search for new amphiphiles: synthesis of a modular, high-throughput library. Beilstein Journal of Organic Chemistry, 2014, 10, 1578-1588.	1.3	18
136	Deconvoluting the Effect of the Hydrophobic and Hydrophilic Domains of an Amphiphilic Integral Membrane Protein in Lipid Bicontinuous Cubic Mesophases. Langmuir, 2015, 31, 12025-12034.	1.6	18
137	Heat-Induced Aggregation of a Globular Egg-White Protein in Aqueous Solution:Â Investigation by Atomic Force Microscope Imaging and Surface Force Mapping Modalities. Langmuir, 2003, 19, 2880-2887.	1.6	17
138	A Molecular Dynamics Study of Monolayers of Nonionic Poly(ethylene oxide) Based Surfactants. Langmuir, 2004, 20, 1375-1385.	1.6	17
139	Nanostructured Nonionic Thymidine Nucleolipid Self-Assembly Materials. Langmuir, 2010, 26, 18415-18423.	1.6	17
140	Anandamide and analogous endocannabinoids: a lipid self-assembly study. Soft Matter, 2011, 7, 5319.	1.2	17
141	Effect of ionic liquids on the fluorescence properties and aggregation of superfolder green fluorescence protein. Journal of Colloid and Interface Science, 2021, 591, 96-105.	5.0	17
142	Uptake Dynamics of Cubosome Nanocarriers at Bacterial Surfaces and the Routes for Cargo Internalization. ACS Applied Materials & Interfaces, 2021, 13, 53530-53540.	4.0	17
143	Nanostructured self-assembly materials formed by non-ionic urea amphiphiles. International Journal of Nanotechnology, 2008, 5, 370.	0.1	16
144	Lipidic Cubic Phase-Induced Membrane Protein Crystallization: Interplay Between Lipid Molecular Structure, Mesophase Structure and Properties, and Crystallogenesis. Crystal Growth and Design, 2017, 17, 5667-5674.	1.4	16

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145	Sugar fatty acid ester surfactants: Base-catalyzed hydrolysis. Journal of Surfactants and Detergents, 2000, 3, 29-32.	1.0	15
146	Disordered Mesoporous Gadolinosilicate Nanoparticles Prepared Using Gadolinium Based Ionic Liquid Emulsions: Potential as Magnetic Resonance Imaging Contrast Agents. Australian Journal of Chemistry, 2011, 64, 617.	0.5	15
147	Monodisperse Nonionic Isoprenoid-Type Hexahydrofarnesyl Ethylene Oxide Surfactants: High Throughput Lyotropic Liquid Crystalline Phase Determination. Langmuir, 2011, 27, 2317-2326.	1.6	15
148	Mesoporous Europo-Gadolinosilicate Nanoparticles as Bimodal Medical Imaging Agents and a Potential Theranostic Platform. Advanced Healthcare Materials, 2013, 2, 836-845.	3.9	15
149	High throughput approach to investigating ternary solvents of aqueous non-stoichiometric protic ionic liquids. Physical Chemistry Chemical Physics, 2019, 21, 6810-6827.	1.3	15
150	Cytotoxicity of protic ionic liquids towards the HaCat cell line derived from human skin. Journal of Molecular Liquids, 2020, 314, 113602.	2.3	15
151	Photocontrol of surface activity and self-assembly with a spirobenzopyran surfactant. Langmuir, 1991, 7, 2409-2411.	1.6	14
152	Exploring the <i>in meso</i> crystallization mechanism by characterizing the lipid mesophase microenvironment during the growth of single transmembrane Î±-helical peptide crystals. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150125.	1.6	14
153	Inverse hexagonal and cubic micellar lyotropic liquid crystalline phase behaviour of novel double chain sugar-based amphiphiles. Colloids and Surfaces B: Biointerfaces, 2017, 151, 34-38.	2.5	14
154	Effect of Crystallization State on the Gel Properties of Oleogels Based on Î²-sitosterol. Food Biophysics, 2021, 16, 48-57.	1.4	14
155	Novel Amphiphilic Block Copolymers for the Formation of Stimuli-Responsive Non-Lamellar Lipid Nanoparticles. Molecules, 2021, 26, 3648.	1.7	14
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