Calum J Drummond

List of Publications by Year
in descending order

204 papers	13,598 citations	31976 53 h-index	24258 110 g-index
204 all docs	204 docs citations	204 times ranked	10586 citing authors

#	Article	IF	Citations
1	Controlling the pH dependent transition between monoolein Fd3m micellar cubosomes and hexosomes using fatty acetate and fatty acid additive mixtures. Journal of Colloid and Interface Science, 2022, 607, 848-856.	9.4	8
2	Protic Ionic Liquid Cation Alkyl Chain Length Effect on Lysozyme Structure. Molecules, 2022, 27, 984.	3.8	7
3	Electrochemical Stability of Zinc and Copper Surfaces in Protic Ionic Liquids. Langmuir, 2022, 38, 4633-4644.	3.5	4
4	Deep eutectic solvents as cryoprotective agents for mammalian cells. Journal of Materials Chemistry B, 2022, 10, 4546-4560.	5.8	22
5	Application of Fluconazole-Loaded pH-Sensitive Lipid Nanoparticles for Enhanced Antifungal Therapy. ACS Applied Materials & Interfaces, 2022, 14, 32845-32854.	8.0	4
6	Effect of Crystallization State on the Gel Properties of Oleogels Based on Î²-sitosterol. Food Biophysics, 2021, 16, 48-57.	3.0	14
7	Effect of gum arabic or sodium alginate incorporation on the physicochemical and curcumin retention properties of liposomes. LWT - Food Science and Technology, 2021, 139, 110571.	5.2	11
8	Chemical Exchange of Hydroxyl Groups in Lipidic Cubic Phases Characterized by NMR. Journal of Physical Chemistry B, 2021, 125, 571-580.	2.6	5
9	Cuboplex-Mediated Nonviral Delivery of Functional siRNA to Chinese Hamster Ovary (CHO) Cells. ACS Applied Materials & Interfaces, 2021, 13, 2336-2345.	8.0	27
10	Comparison of cubosomes and liposomes for the encapsulation and delivery of curcumin. Soft Matter, 2021, 17, 3306-3313.	2.7	38
11	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.	9.4	21
12	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.	9.4	17
13	Novel Amphiphilic Block Copolymers for the Formation of Stimuli-Responsive Non-Lamellar Lipid Nanoparticles. Molecules, 2021, 26, 3648.	3.8	14
14	Delivery of antimicrobial peptides to model membranes by cubosome nanocarriers. Journal of Colloid and Interface Science, 2021, 600, 14-22.	9.4	10
15	Tuning Nanostructured Lyotropic Liquid Crystalline Mesophases in Lipid Nanoparticles with Protic Ionic Liquids. Journal of Physical Chemistry Letters, 2021, 12, 399-404.	4.6	6
16	Uptake Dynamics of Cubosome Nanocarriers at Bacterial Surfaces and the Routes for Cargo Internalization. ACS Applied Materials & Interfaces, 2021, 13, 53530-53540.	8.0	17
17	Solvation properties of protic ionic liquids and molecular solvents. Physical Chemistry Chemical Physics, 2020, 22, 114-128.	2.8	36
18	Formation of Surface Protic Ionic Liquid Nanodroplets for Nanofabrication. Advanced Materials Interfaces, 2020, 7, 1901647.	3.7	5

#	Article	IF	Citations
19	Physicochemical characterisation of novel tetrabutylammonium aryltrifluoroborate ionic liquids. Physical Chemistry Chemical Physics, 2020, 22, 23374-23384.	2.8	1
20	Lyotropic liquid crystal phase behavior of a cationic amphiphile in aqueous and non-stoichiometric protic ionic liquid mixtures. Soft Matter, 2020, 16, 9456-9470.	2.7	3
21	Molecular engineering of super-swollen inverse bicontinuous cubic and sponge lipid phases for biomedical applications. Molecular Systems Design and Engineering, 2020, 5, 1354-1375.	3.4	20
22	Physiochemical Characterization and Stability of Lipidic Cubic Phases by Solution NMR. Langmuir, 2020, 36, 6254-6260.	3.5	8
23	Cytotoxicity of protic ionic liquids towards the HaCat cell line derived from human skin. Journal of Molecular Liquids, 2020, 314, 113602.	4.9	15
24	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.	9.4	27
25	Preparation, Characterization, and Antimicrobial Activity of Cubosome Encapsulated Metal Nanocrystals. ACS Applied Materials & Interfaces, 2020, 12, 6944-6954.	8.0	75
26	Solvation properties of protic ionic liquidâ€“molecular solvent mixtures. Physical Chemistry Chemical Physics, 2020, 22, 10995-11011.	2.8	22
27	In Vitro and In Vivo 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.	4.6	45
28	Size-Dependent Encapsulation and Release of dsDNA from Cationic Lyotropic Liquid Crystalline Cubic Phases. ACS Biomaterials Science and Engineering, 2020, 6, 4401-4413.	5.2	13
29	Fusion dynamics of cubosome nanocarriers with model cell membranes. Nature Communications, 2019, 10, 4492.	12.8	73
30	High throughput approach to investigating ternary solvents of aqueous non-stoichiometric protic ionic liquids. Physical Chemistry Chemical Physics, 2019, 21, 6810-6827.	2.8	15
31	Protein-Eye View of the in Meso Crystallization Mechanism. Langmuir, 2019, 35, 8344-8356.	3.5	9
32	Non-Lamellar Lyotropic Liquid Crystalline Lipid Nanoparticles for the Next Generation of Nanomedicine. ACS Nano, 2019, 13, 6178-6206.	14.6	166
33	Machine Learning Approaches for Further Developing the Understanding of the Property Trends Observed in Protic Ionic Liquid Containing Solvents. Journal of Physical Chemistry B, 2019, 123, 4085-4097.	2.6	13
34	FTIR Spectroscopic Study of the Secondary Structure of Globular Proteins in Aqueous Protic Ionic Liquids. Frontiers in Chemistry, 2019, 7, 74.	3.6	50
35	Encapsulation in egg white protein nanoparticles protects anti-oxidant activity of curcumin. Food Chemistry, 2019, 280, 65-72.	8.2	101
36	Toward Cell Membrane Biomimetic Lipidic Cubic Phases: A High-Throughput Exploration of Lipid Compositional Space. ACS Applied Bio Materials, 2019, 2, 182-195.	4.6	23

#	Article	IF	Citations
37	Design of ultra-swollen lipidic mesophases for the crystallization of membrane proteins with large extracellular domains. Nature Communications, 2018, 9, 544.	12.8	69
38	Manipulating the Ordered Nanostructure of Self-Assembled Monoolein and Phytantriol Nanoparticles with Unsaturated Fatty Acids. Langmuir, 2018, 34, 2764-2773.	3.5	54
39	Direct Visualization of the Structural Transformation between the Lyotropic Liquid Crystalline Lamellar and Bicontinuous Cubic Mesophase. Journal of Physical Chemistry Letters, 2018, 9, 3397-3402.	4.6	13
40	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.	8.0	102
41	Stability and activity of lysozyme in stoichiometric and non-stoichiometric protic ionic liquid (PIL)-water systems. Journal of Chemical Physics, 2018, 148, 193838.	3.0	37
42	Incorporation of antimicrobial peptides in nanostructured lipid membrane mimetic bilayer cubosomes. Colloids and Surfaces B: Biointerfaces, 2017, 152, 143-151.	5.0	61
43	Direct demonstration of lipid phosphorylation in the lipid bilayer of the biomimetic bicontinuous cubic phase using the confined enzyme lipid A phosphoethanolamine transferase. Soft Matter, 2017, 13, 1493-1504.	2.7	11
44	Self-assembled Lyotropic Liquid Crystalline Phase Behavior of Monooleinâ€“Capric Acidâ€“Phospholipid Nanoparticulate Systems. Langmuir, 2017, 33, 2571-2580.	3.5	36
45	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.	38.1	155
46	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.	5.0	14
47	The nanoscience behind the art of in-meso crystallization of membrane proteins. Nanoscale, 2017, 9, 754-763.	5.6	30
48	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.	5.6	38
49	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.	3.0	16
50	Copolyampholytes Produced from RAFT Polymerization of Protic Ionic Liquids. Macromolecules, 2017, 50, 8965-8978.	4.8	13
51	Active Gating, Molecular Pumping, and Turnover Determination in Biomimetic Lipidic Cubic Mesophases with Reconstituted Membrane Proteins. ACS Nano, 2017, 11, 11687-11693.	14.6	13
52	How ionic species structure influences phase structure and transitions from protic ionic liquids to liquid crystals to crystals. Faraday Discussions, 2017, 206, 29-48.	3.2	10
53	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.	3.5	22
54	High-Throughput Screening of Saturated Fatty Acid Influence on Nanostructure of Lyotropic Liquid Crystalline Lipid Nanoparticles. Langmuir, 2016, 32, 4509-4520.	3.5	52

#	Article	IF	Citations
55	Applications: general discussion. Faraday Discussions, 2016, 191, 565-595.	3.2	0
56	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.	4.6	23
57	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.	3.6	22
58	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.	3.2	48
59	Activity and conformation of lysozyme in molecular solvents, protic ionic liquids (PILs) and saltâ€“water systems. Physical Chemistry Chemical Physics, 2016, 18, 25926-25936.	2.8	35
60	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.	2.8	35
61	Exploring the in meso 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.	3.4	14
62	Effect of Lipid-Based Nanostructure on Protein Encapsulation within the Membrane Bilayer Mimetic Lipidic Cubic Phase Using Transmembrane and Lipo-proteins from the Beta-Barrel Assembly Machinery. Langmuir, 2016, 32, 12442-12452.	3.5	13
63	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.	3.5	18
64	Positron annihilation lifetime spectroscopy (PALS): a probe for molecular organisation in self-assembled biomimetic systems. Physical Chemistry Chemical Physics, 2015, 17, 17527-17540.	2.8	26
65	First Direct Observation of Stable Internally Ordered Janus Nanoparticles Created by Lipid Self-Assembly. Nano Letters, 2015, 15, 4229-4233.	9.1	40
66	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.	4.7	20
67	Packing and mobility of hydrocarbon chains in phospholipid lyotropic liquid crystalline lamellar phases and liposomes: characterisation by positron annihilation lifetime spectroscopy (PALS). Physical Chemistry Chemical Physics, 2015, 17, 276-286.	2.8	8
68	Application of positron annihilation lifetime spectroscopy (PALS) to study the nanostructure in amphiphile self-assembly materials: phytantriol cubosomes and hexosomes. Physical Chemistry Chemical Physics, 2015, 17, 1705-1715.	2.8	13
69	Amphiphile Micelle Structures in the Protic Ionic Liquid Ethylammonium Nitrate and Water. Journal of Physical Chemistry B, 2015, 119, 179-191.	2.6	27
70	The effect of structural modifications on the solution and interfacial properties of straight and branched aliphatic alcohols: The role of hydrophobic effects. Journal of Colloid and Interface Science, 2015, 449, 364-372.	9.4	13
71	Fluorous protic ionic liquid exhibits a series of lyotropic liquid crystalline mesophases upon water addition. Journal of Molecular Liquids, 2015, 210, 279-285.	4.9	13
72	Nanostructure and cytotoxicity of self-assembled monooleinâ€“capric acid lyotropic liquid crystalline nanoparticles. RSC Advances, 2015, 5, 26785-26795.	3.6	91

#	Article	IF	Citations
73	Protic Ionic Liquids: Evolving Structureâ€“Property Relationships and Expanding Applications. Chemical Reviews, 2015, 115, 11379-11448.	47.7	726
74	Lipidâ€“PEG Conjugates Sterically Stabilize and Reduce the Toxicity of Phytantriol-Based Lyotropic Liquid Crystalline Nanoparticles. Langmuir, 2015, 31, 10871-10880.	3.5	88
75	Epidermal growth factor receptor-targeted lipid nanoparticles retain self-assembled nanostructures and provide high specificity. Nanoscale, 2015, 7, 2905-2913.	5.6	69
76	Uptake of the butyrate receptors, GPR41 and GPR43, in lipidic bicontinuous cubic phases suitable for in meso crystallization. Journal of Colloid and Interface Science, 2015, 441, 78-84.	9.4	8
77	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.	2.8	57
78	Effect of cosolvents on the self-assembly of a non-ionic polyethylene oxideâ€“polypropylene oxideâ€“polyethylene oxide block copolymer in the protic ionic liquid ethylammonium nitrate. Journal of Colloid and Interface Science, 2015, 441, 46-51.	9.4	7
79	Novel Steric Stabilizers for Lyotropic Liquid Crystalline Nanoparticles: PEGylated-Phytanyl Copolymers. Langmuir, 2015, 31, 2615-2629.	3.5	33
80	The search for new amphiphiles: synthesis of a modular, high-throughput library. Beilstein Journal of Organic Chemistry, 2014, 10, 1578-1588.	2.2	18
81	The Highâ€Throughput Synthesis and Phase Characterisation of Amphiphiles: A Sweet Case Study. Chemistry - A European Journal, 2014, 20, 2783-2792.	3.3	13
82	Lyotropic liquid crystal phases of phytantriol in a protic ionic liquid with fluorous anion. Physical Chemistry Chemical Physics, 2014, 16, 21321-21329.	2.8	8
83	Gadolinium-DTPA amphiphile nanoassemblies: agents for magnetic resonance imaging and neutron capture therapy. Biomaterials Science, 2014, 2, 924-935.	5.4	24
84	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.	3.0	29
85	Novel RAFT amphiphilic brush copolymer steric stabilisers for cubosomes: poly(octadecyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.7	38
86	High-Throughput Development of Amphiphile Self-Assembly Materials: Fast-Tracking Synthesis, Characterization, Formulation, Application, and Understanding. Accounts of Chemical Research, 2013, 46, 1497-1505.	15.6	47
87	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.	9.4	92
88	Mesoporous Europo-Gadolinosilicate Nanoparticles as Bimodal Medical Imaging Agents and a Potential Theranostic Platform. Advanced Healthcare Materials, 2013, 2, 836-845.	7.6	15
89	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.	3.2	30
90	Layer-by-Layer Polymer Coating on Discrete Particles of Cubic Lyotropic Liquid Crystalline Dispersions (Cubosomes). Langmuir, 2013, 29, 12891-12900.	3.5	43

#	Article	IF	Citations
91	Nanostructured bicontinuous cubic lipid self-assembly materials as matrices for protein encapsulation. Soft Matter, 2013, 9, 3449.	2.7	105
92	Mesoporous gadolinoâ€“aluminosilicate nanoparticles as magnetic resonance imaging contrast agents. Journal of Materials Chemistry B, 2013, 1, 1219.	5.8	7
93	Solvent nanostructure, the solvophobic effect and amphiphile self-assembly in ionic liquids. Chemical Society Reviews, 2013, 42, 1096-1120.	38.1	333
94	Probing the amphiphile micellar to hexagonal phase transition using Positron Annihilation Lifetime Spectroscopy. Journal of Colloid and Interface Science, 2013, 402, 173-179.	9.4	9
95	Advances in drug delivery and medical imaging using colloidal lyotropic liquid crystalline dispersions. Journal of Colloid and Interface Science, 2013, 393, 1-20.	9.4	269
96	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.	2.8	28
97	Mapping the nano-scale interaction between bio-colloidal Giardia lamblia cysts and silica. Soft Matter, 2012, 8, 6083.	2.7	2
98	Transfer of lipid between triglyceride dispersions and lyotropic liquid crystal nanostructured particles using time-resolved SAXS. Soft Matter, 2012, 8, 5696.	2.7	12
99	High-throughput analysis of the structural evolution of the monoolein cubic phase in situ under crystallogenesis conditions. Soft Matter, 2012, 8, 2310.	2.7	35
100	Direct Force Measurement Between Bio-Colloidal Giardia lamblia Cysts and Colloidal Silicate Glass Particles. Langmuir, 2012, 28, 17026-17035.	3.5	1
101	Chelating DTPA amphiphiles: ion-tunable self-assembly structures and gadolinium complexes. Physical Chemistry Chemical Physics, 2012, 14, 12854.	2.8	13
102	Nonionic diethanolamide amphiphiles with saturated hydrocarbon chains: Neat crystalline and lyotropic liquid crystalline phase behavior. Journal of Colloid and Interface Science, 2012, 385, 87-95.	9.4	6
103	Lyotropic liquid crystal engineeringâ€“ordered nanostructured small molecule amphiphileself-assembly materials by design. Chemical Society Reviews, 2012, 41, 1297-1322.	38.1	280
104	Protic ionic liquids with fluorous anions: physicochemical properties and self-assembly nanostructure. Physical Chemistry Chemical Physics, 2012, 14, 7981.	2.8	96
105	High-Throughput Discovery of Novel Steric Stabilizers for Cubic Lyotropic Liquid Crystal Nanoparticle Dispersions. Langmuir, 2012, 28, 9223-9232.	3.5	95
106	Effect of lipid architecture on cubic phase susceptibility to crystallisation screens. Soft Matter, 2012, 8, 6884.	2.7	30
107	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
108	Lyotropic liquid crystalline phase behaviour in amphiphileâ€“protic ionic liquid systems. Physical Chemistry Chemical Physics, 2012, 14, 3825.	2.8	47

#	Article	IF	Citations
109	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.	2.7	175
110	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.	2.7	29
111	Anandamide and analogous endocannabinoids: a lipid self-assembly study. Soft Matter, 2011, 7, 5319.	2.7	17
112	Nanostructure changes in protic ionic liquids (PILs) through adding solutes and mixing PILs. Physical Chemistry Chemical Physics, 2011, 13, 13501.	2.8	94
113	Nanostructure and amphiphile self-assembly in polar molecular solvents: amides and the â€œsolvophobic effectâ€• Physical Chemistry Chemical Physics, 2011, 13, 9180.	2.8	40
114	Evaluating Protic Ionic Liquids as Protein Crystallization Additives. Crystal Growth and Design, 2011, 11, 1777-1785.	3.0	46
115	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.	2.7	18
116	Nanostructured nanoparticles of self-assembled lipid pro-drugs as a route to improved chemotherapeutic agents. Nanoscale, 2011, 3, 919-924.	5.6	77
117	Converging layer-by-layer polyelectrolyte microcapsule and cubic lyotropic liquid crystalline nanoparticle approaches for molecular encapsulation. Soft Matter, 2011, 7, 4257.	2.7	49
118	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.	2.6	131
119	Lyotropic Liquid Crystalline Self-Assembly Material Behavior and Nanoparticulate Dispersions of a Phytanyl Pro-Drug Analogue of Capecitabineâ^'A Chemotherapy Agent. ACS Applied Materials & Interfaces, 2011, 3, 1552-1561.	8.0	38
120	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.	2.7	31
121	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.	2.8	37
122	Nonionic diethanolamide amphiphiles with isoprenoid-type hydrocarbon chains: thermotropic and lyotropic liquid crystalline phase behaviour. Physical Chemistry Chemical Physics, 2011, 13, 17511.	2.8	3
123	Amino Acid-derived Protic Ionic Liquids: Physicochemical Properties and Behaviour as Amphiphile Self-assembly Media. Australian Journal of Chemistry, 2011, 64, 180.	0.9	40
124	Nonionic diethanolamide amphiphiles with unsaturated C18 hydrocarbon chains: thermotropic and lyotropic liquid crystalline phase behavior. Physical Chemistry Chemical Physics, 2011, 13, 13370.	2.8	13
125	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.	0.9	15
126	Monodisperse Nonionic Isoprenoid-Type Hexahydrofarnesyl Ethylene Oxide Surfactants: High Throughput Lyotropic Liquid Crystalline Phase Determination. Langmuir, 2011, 27, 2317-2326.	3.5	15

#	Article	IF	Citations
127	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.	5.0	27
128	Diversity Observed in the Nanostructure of Protic Ionic Liquids. Journal of Physical Chemistry B, 2010, 114, 10022-10031.	2.6	231
129	Ordered Nanostructured Amphiphile Self-Assembly Materials from Endogenous Nonionic Unsaturated Monoethanolamide Lipids in Water. Langmuir, 2010, 26, 3084-3094.	3.5	36
130	High throughput preparation and characterisation of amphiphilic nanostructured nanoparticulate drug delivery vehicles. International Journal of Pharmaceutics, 2010, 395, 290-297.	5.2	85
131	Nanostructured Nonionic Thymidine Nucleolipid Self-Assembly Materials. Langmuir, 2010, 26, 18415-18423.	3.5	17
132	Colloidal Amphiphile Self-Assembly Particles Composed of Gadolinium Oleate and Myverol: Evaluation as Contrast Agents for Magnetic Resonance Imaging. Langmuir, 2010, 26, 2383-2391.	3.5	34
133	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.	2.6	20
134	Diverse Ordered 3D Nanostructured Amphiphile Self-Assembly Materials Found in Protic Ionic Liquids. Journal of Physical Chemistry Letters, 2010, 1, 2651-2654.	4.6	25
135	Lanthanide Phytanates: Liquid-Crystalline Phase Behavior, Colloidal Particle Dispersions, and Potential as Medical Imaging Agents. Langmuir, 2010, 26, 6240-6249.	3.5	35
136	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.	2.7	32
137	Chelating phytanyl-EDTA amphiphiles: self-assembly and promise as contrast agents for medical imaging. Soft Matter, 2010, 6, 5915.	2.7	41
138	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.	2.7	41
139	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.	30.8	66
140	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.	2.7	34
141	Observing Self-Assembled Lipid Nanoparticles Building Order and Complexity through Low-Energy Transformation Processes. ACS Nano, 2009, 3, 2789-2797.	14.6	64
142	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.	2.6	42
143	Hierarchically Porous Monolithic LiFePO₄/Carbon Composite Electrode Materials for High Power Lithium Ion Batteries. Chemistry of Materials, 2009, 21, 5300-5306.	6.7	189
144	Colloidal Crystal Templating to Produce Hierarchically Porous LiFePO4 Electrode Materials for High Power Lithium Ion Batteries. Chemistry of Materials, 2009, 21, 2895-2903.	6.7	163

#	Article	IF	Citations
145	Positron Annihilation Lifetime Spectroscopy (PALS) as a Characterization Technique for Nanostructured Self-Assembled Amphiphile Systems. Journal of Physical Chemistry B, 2009, 113, 84-91.	2.6	38
146	Soft ordered mesoporous materials from nonionic isoprenoid-type monoethanolamide amphiphiles self-assembled in water. Soft Matter, 2009, 5, 4823.	2.7	41
147	Protic Ionic Liquids:â€‰ Properties and Applications. Chemical Reviews, 2008, 108, 206-237.	47.7	2,104
148	Ionic liquids as amphiphile self-assembly media. Chemical Society Reviews, 2008, 37, 1709.	38.1	500
149	Protic Ionic Liquids:â€‰ Physicochemical Properties and Behavior as Amphiphile Self-Assembly Solvents. Journal of Physical Chemistry B, 2008, 112, 896-905.	2.6	190
150	Nanostructured self-assembly materials formed by non-ionic urea amphiphiles. International Journal of Nanotechnology, 2008, 5, 370.	0.2	16
151	Many Protic Ionic Liquids Mediate Hydrocarbon-Solvent Interactions and Promote Amphiphile Self-Assembly. Langmuir, 2007, 23, 402-404.	3.5	147
152	Formation of Amphiphile Self-Assembly Phases in Protic Ionic Liquids. Journal of Physical Chemistry B, 2007, 111, 4082-4088.	2.6	109
153	Diversifying the Solid State and Lyotropic Phase Behavior of Nonionic Urea-Based Surfactants. Journal of Physical Chemistry B, 2007, 111, 10713-10722.	2.6	20
154	Protic Ionic Liquids and Ionicity. Australian Journal of Chemistry, 2007, 60, 21.	0.9	120
155	New Role for Urea as a Surfactant Headgroup Promoting Self-Assembly in Water. Chemistry of Materials, 2006, 18, 594-597.	6.7	57
156	Positional Isomers of Linear Sodium Dodecyl Benzene Sulfonate:Â Solubility, Self-Assembly, and Air/Water Interfacial Activity. Langmuir, 2006, 22, 8646-8654.	3.5	58
157	Ordered 2-D and 3-D nanostructured amphiphile self-assembly materials stable in excess solvent. Physical Chemistry Chemical Physics, 2006, 8, 4957.	2.8	235
158	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.	2.6	23
159	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.	2.6	21
160	Multi-scale Cryptosporidium/sand interactions in water treatment. Water Research, 2006, 40, 3315-3331.	11.3	55
161	Protic Ionic Liquids:Â Solvents with Tunable Phase Behavior and Physicochemical Properties. Journal of Physical Chemistry B, 2006, 110, 22479-22487.	2.6	458
162	Effects of Degassing on the Long-Range Attractive Force between Hydrophobic Surfaces in Water. Langmuir, 2005, 21, 6399-6405.	3.5	79

#	Article	IF	Citations
163	Interaction Forces Between Colloidal Silica in Aqueous Inorganic and Natural Organic Electrolyte Solutions. Australian Journal of Chemistry, 2005, 58, 837.	0.9	8
164	A Molecular Dynamics Study of Monolayers of Nonionic Poly(ethylene oxide) Based Surfactants. Langmuir, 2004, 20, 1375-1385.	3.5	17
165	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.	3.5	17
166	A simple model of the hydrophobic effect for molecular simulation of interfacial phenomena. Molecular Simulation, 2002, 28, 791-806.	2.0	1
167	Chiral Glucose-Derived Surfactants:Â The Effect of Stereochemistry on Thermotropic and Lyotropic Phase Behavior. Langmuir, 2002, 18, 597-601.	3.5	23
168	Oocysts of Cryptosporidium parvum and model sand surfaces in aqueous solutions: an atomic force microscope (AFM) study. Water Research, 2002, 36, 3421-3428.	11.3	51
169	The interactions of amphiphilic latexes with surfaces: the effect of surface modifications and ionic strength. Polymer, 2002, 43, 3191-3198.	3.8	22
170	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.	3.5	49
171	Alkyl Chain Positional Isomers of Dodecyl Î²-d-Glucoside:Â Thermotropic and Lyotropic Phase Behavior and Detergency. Langmuir, 2001, 17, 6100-6107.	3.5	34
172	Force of Interaction between a Biocolloid and an Inorganic Oxide:Â Complexity of Surface Deformation, Roughness, and Brushlike Behavior. Langmuir, 2001, 17, 6325-6335.	3.5	42
173	Essay: Supercapacitors - Nanostructured Materials and Nanoscale Processes Contributing to the Next Mobile Generation. Australian Journal of Chemistry, 2001, 54, 473.	0.9	18
174	Sugar fatty acid ester surfactants: Structure and ultimate aerobic biodegradability. Journal of Surfactants and Detergents, 2000, 3, 1-11.	2.1	89
175	Sugar fatty acid ester surfactants: Biodegradation pathways. Journal of Surfactants and Detergents, 2000, 3, 13-27.	2.1	24
176	Sugar fatty acid ester surfactants: Base-catalyzed hydrolysis. Journal of Surfactants and Detergents, 2000, 3, 29-32.	2.1	15
177	Laterally-Resolved Force Microscopy of Biological MicrospheresOocysts ofCryptosporidiumParvum. Langmuir, 2000, 16, 1323-1330.	3.5	50
178	Long-Range Force of Attraction between Solvophobic Surfaces in Water and Organic Liquids Containing Dissolved Airâ€. Langmuir, 2000, 16, 631-635.	3.5	59
179	Surfactant self-assembly objects as novel drug delivery vehicles. Current Opinion in Colloid and Interface Science, 1999, 4, 449-456.	7.4	446
180	Nonionicn-Hexyl,n-Heptyl, andn-Octyl Urea Surfactants:Â Some Physicochemical Properties. Langmuir, 1999, 15, 4713-4721.	3.5	29

#	Article	IF	Citations
181	Surface chemistry and tip-sample interactions in atomic force microscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1995, 94, 29-51.	4.7	223
182	Non-ionic sugar-based surfactants: Self assembly and air/water interfacial activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1995, 102, 91-97.	4.7	68
183	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.	3.5	74
184	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.	3.5	73
185	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.	4.7	90
186	Atomic Force Microscopy: Imaging with Electrical Double Layer Interactions. Langmuir, 1994, 10, 358-362.	3.5	141
187	Direct force measurements between titanium dioxide surfaces. Journal of the American Chemical Society, 1993, 115, 11885-11890.	13.7	226
188	Polymerâ€"surfactant interactions: (Hydroxypropyl)cellulose with ionic and ion-ionic surfactants. Colloids and Surfaces, 1992, 62, 75-85.	0.9	47
189	Water permeation through two-component monolayers of polymerized surfactants and octadecanol. Journal of Colloid and Interface Science, 1992, 151, 189-194.	9.4	10
190	Photocontrol of surface activity and self-assembly with a spirobenzopyran surfactant. Langmuir, 1991, 7, 2409-2411.	3.5	14
191	Electrostatic surface potentials of cationic and anionic oil-in-water microemulsion droplets free from added electrolyte. Colloids and Surfaces, 1991, 52, 287-300.	0.9	4
192	1-Methyl-8-oxyquinolinium betaine moiety as a probe of surfactant self-assembly systems. Colloids and Surfaces, 1991, 54, 197-208.	0.9	6
193	Monolayer properties and spontaneous Z-type Langmuirâ€"Blodgett multilayers of 2-(heneicosa-2,4-diynoxycarbonyl)benzoic acid. Colloids and Surfaces, 1991, 58, 409-425.	0.9	8
194	Comparison of the photochromism of a spirobenzopyran derivative in unilamellar surfactant vesicles and solvent-cast surfactant films. Journal of the Chemical Society, Faraday Transactions, 1990, 86, 3913.	1.7	4
195	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
196	Cis-trans photoisomerization of a surfactant O-protonated stilbazolium betaine in micellar systems. Langmuir, 1990, 6, 285-288.	3.5	4
197	Electrostatic surface potential and critical micelle concentration relationship for ionic micelles. Langmuir, 1990, 6, 506-508.	3.5	42
198	A study of competitive counterion binding to micelles using the acid-catalyzed reaction of hydrogen peroxide with iodide ions. Journal of Colloid and Interface Science, 1989, 127, 281-291.	9.4	10

#	Article	IF	Citations
199	ET(30) as a probe for the interfacial microenvironment of water-in-oil microemulsions. Journal of Colloid and Interface Science, 1989, 128, 602-604.	9.4	52
200	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
201	Reanalysis of the acid-base dissociation behavior of dimyristoyldansylcephalin in dimyristoylmethylphosphatidic acid membranes. Langmuir, 1987, 3, 855-857.	3.5	6
202	Effect of electrolyte on the mean interfacial solvent and electrostatic characteristics of cationic micelles. Chemical Physics Letters, 1987, 140, 493-498.	2.6	31
203	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.	2.5	41
204	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