Annela M Seddon

List of Publications by Year
in descending order

67 papers	3,082 citations	218381 26 h-index	155451 55 g-index
70 all docs	70 docs citations	70 times ranked	5230 citing authors

#	Article	IF	Citations
1	Scale-invariance in miniature coarse-grained red blood cells by fluctuation analysis. Soft Matter, 2022, 18, 1747-1756.	1.2	1
2	Using small angle scattering to understand low molecular weight gels. Soft Matter, 2022, 18, 1577-1590.	1.2	14
3	Controlling Selfâ€Sorting versus Coâ€assembly in Supramolecular Gels. ChemSystemsChem, 2022, 4, .	1.1	8
4	Measuring the refractive index and sub-nanometre surface functionalisation of nanoparticles in suspension. Nanoscale, 2022, 14, 8145-8152.	2.8	4
5	Synthesis and characterisation of diketopyrrolopyrrole-based hydrogels. Soft Matter, 2022, 18, 3756-3761.	1.2	1
6	Elongation rate and average length of amyloid fibrils in solution using isotope-labelled small-angle neutron scattering. RSC Chemical Biology, 2021, 2, 1232-1238.	2.0	5
7	Understanding gel-to-crystal transitions in supramolecular gels. Soft Matter, 2021, 17, 7221-7226.	1.2	16
8	Mechanistic investigations into the encapsulation and release of small molecules and proteins from a supramolecular nucleoside gel in vitro and in vivo. Journal of Controlled Release, 2020, 317, 118-129.	4.8	8
9	Materials Science in the time of Coronavirus. Journal of Materials Science, 2020, 55, 9145-9147.	1.7	5
10	A de novo peroxidase is also a promiscuous yet stereoselective carbene transferase. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1419-1428.	3.3	49
11	Controlling the properties of the micellar and gel phase by varying the counterion in functionalised-dipeptide systems. Chemical Communications, 2020, 56, 4094-4097.	2.2	26
12	Isotopic Control over Self-Assembly in Supramolecular Gels. Langmuir, 2020, 36, 8626-8631.	1.6	18
13	Using Small-Angle Scattering and Contrast Matching to Understand Molecular Packing in Low Molecular Weight Gels. Matter, 2020, 2, 764-778.	5.0	49
14	Modulating the release of pharmaceuticals from lipid cubic phases using a lipase inhibitor. Journal of Colloid and Interface Science, 2020, 573, 176-192.	5.0	17
15	Graphene Oxide Membranes: Pressureâ€Driven Solvent Transport and Complex Ion Permeation through Graphene Oxide Membranes (Adv. Mater. Interfaces 12/2019). Advanced Materials Interfaces, 2019, 6, 1970081.	1.9	0
16	Using chirality to influence supramolecular gelation. Chemical Science, 2019, 10, 7801-7806.	3.7	40
17	Annealing multicomponent supramolecular gels. Nanoscale, 2019, 11, 3275-3280.	2.8	31
18	Pressureâ€Driven Solvent Transport and Complex Ion Permeation through Graphene Oxide Membranes. Advanced Materials Interfaces, 2019, 6, 1802056.	1.9	2

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19	Colloidal Microfluidics. Frontiers of Nanoscience, 2019, , 125-166.	0.3	1
20	BÃ©nardâ€"Marangoni Dendrites upon Evaporation of a Reactive ZnO Nanofluid Droplet: Effect of Substrate Chemistry. Langmuir, 2019, 35, 5830-5840.	1.6	4
21	Dendritic surface patterns from BÃ©nardâ€Marangoni instabilities upon evaporation of a reactive ZnO nanofluid droplet: A fractal dimension analysis. Journal of Colloid and Interface Science, 2019, 536, 493-498.	5.0	15
22	Structure of the Crystalline Core of Fiber-like Polythiophene Block Copolymer Micelles. Macromolecules, 2018, 51, 3097-3106.	2.2	21
23	Pâ€Type Lowâ€Molecularâ€Weight Hydrogelators. Macromolecular Rapid Communications, 2018, 39, e1700746.	2.0	3
24	Hierarchical Surface Patterns upon Evaporation of a ZnO Nanofluid Droplet: Effect of Particle Morphology. Langmuir, 2018, 34, 1645-1654.	1.6	23
25	An addressable packing parameter approach for reversibly tuning the assembly of oligo(aniline)-based supra-amphiphiles. Chemical Science, 2018, 9, 4392-4401.	3.7	18
26	Opposed flow focusing: evidence of a second order jetting transition. Soft Matter, 2018, 14, 8344-8351.	1.2	7
27	Responsive cellulose-hydrogel composite ink for 4D printing. Materials and Design, 2018, 160, 108-118.	3.3	162
28	Electroactive Amphiphiles for Addressable Supramolecular Nanostructures. ChemNanoMat, 2018, 4, 741-752.	1.5	8
29	Surface functionalisation significantly changes the physical and electronic properties of carbon nano-dots. Nanoscale, 2018, 10, 13908-13912.	2.8	28
30	Oil-in-water microfluidics on the colloidal scale: new routes to self-assembly and glassy packings. Soft Matter, 2017, 13, 788-794.	1.2	9
31	Self-sorted Oligophenylvinylene and Perylene Bisimide Hydrogels. Scientific Reports, 2017, 7, 8380.	1.6	30
32	Effects of Cations on the Behaviour of Lipid Cubic Phases. Scientific Reports, 2017, 7, 8229.	1.6	22
33	Opening a Can of Worm(â€like Micelle)s: The Effect of Temperature of Solutions of Functionalized Dipeptides. Angewandte Chemie, 2017, 129, 10603-10606.	1.6	30
34	Complex three-dimensional self-assembly in proxies for atmospheric aerosols. Nature Communications, 2017, 8, 1724.	5.8	38
35	Opening a Can of Worm(â€like Micelle)s: The Effect of Temperature of Solutions of Functionalized Dipeptides. Angewandte Chemie - International Edition, 2017, 56, 10467-10470.	7.2	62
36	Mesoporous tertiary oxides via a novel amphiphilic approach. APL Materials, 2016, 4, 015701.	2.2	2

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37	Morphing in nature and beyond: a review of natural and synthetic shape-changing materials and mechanisms. Journal of Materials Science, 2016, 51, 10663-10689.	1.7	109
38	4D fibrous materials: characterising the deployment of paper architectures. Smart Materials and Structures, 2016, 25, 095052.	1.8	10
39	Synthesis of Cationized Magnetoferritin for Ultra-fast Magnetization of Cells. Journal of Visualized Experiments, 2016, , .	0.2	1
40	Cationized Magnetoferritin Enables Rapid Labeling and Concentration of Gram-Positive and Gram-Negative Bacteria in Magnetic Cell Separation Columns. Applied and Environmental Microbiology, 2016, 82, 3599-3604.	1.4	4
41	Ultra-fast stem cell labelling using cationised magnetoferritin. Nanoscale, 2016, 8, 7474-7483.	2.8	27
42	Control of Nanomaterial Self-Assembly in Ultrasonically Levitated Droplets. Journal of Physical Chemistry Letters, 2016, 7, 1341-1345.	2.1	43
43	Artificial membrane-binding proteins stimulate oxygenation of stem cells during engineering of large cartilage tissue. Nature Communications, 2015, 6, 7405.	5.8	64
44	Self-Assembly of a Functional Oligo(Aniline)-Based Amphiphile into Helical Conductive Nanowires. Journal of the American Chemical Society, 2015, 137, 14288-14294.	6.6	57
45	Morphing structures using soft polymers for active deployment. Smart Materials and Structures, 2014, 23, 012001.	1.8	20
46	Photophoretic separation of single-walled carbon nanotubes: a novel approach to selective chiral sorting. Physical Chemistry Chemical Physics, 2014, 16, 5221-5228.	1.3	16
47	The effects of pressure and temperature on the energetics and pivotal surface in a monoacylglycerol/water gyroid inverse bicontinuous cubic phase. Soft Matter, 2014, 10, 3009-3015.	1.2	9
48	Experimental Confirmation of Transformation Pathways between Inverse Double Diamond and Gyroid Cubic Phases. Langmuir, 2014, 30, 5705-5710.	1.6	25
49	Recent Developments in the Production, Analysis, and Applications of Cubic Phases Formed by Lipids. Behavior Research Methods, 2013, , 147-180.	2.3	2
50	Preparation of Films of a Highly Aligned Lipid Cubic Phase. Langmuir, 2013, 29, 1726-1731.	1.6	19
51	Lipid membrane curvature induced by distearoyl phosphatidylinositol 4-phosphate. Soft Matter, 2012, 8, 3090.	1.2	36
52	A Highly Oriented Cubic Phase Formed by Lipids under Shear. Journal of the American Chemical Society, 2011, 133, 13860-13863.	6.6	32
53	Scattering Under Shear: Alignment of a Disordered Bicontinuous Mesophase. Materials Research Society Symposia Proceedings, 2011, 1355, 1.	0.1	0
54	Engineering bicontinuous cubic structures at the nanoscaleâ€"the role of chain splay. Soft Matter, 2010, 6, 3191.	1.2	96

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55	Evidence that membrane curvature distorts the tertiary structure of bacteriorhodopsin. Soft Matter, 2010, 6, 4339.	1.2	14
56	Drug interactions with lipid membranes. Chemical Society Reviews, 2009, 38, 2509.	18.7	201
57	Buffers May Adversely Affect Model Lipid Membranes: A Cautionary Tale. Biochemistry, 2009, 48, 11149-11151.	1.2	25
58	Phosphatidylglycerol Lipids Enhance Folding of an Î± Helical Membrane Protein. Journal of Molecular Biology, 2008, 380, 548-556.	2.0	45
59	Simple Hostâ˜Guest Chemistry To Modulate the Process of Concentration and Crystallization of Membrane Proteins by Detergent Capture in a Microfluidic Device. Journal of the American Chemical Society, 2008, 130, 14324-14328.	6.6	27
60	Bioâ€Functional Mesolamellar Nanocomposites Based on Inorganic/Polymer Intercalation in Purple Membrane (Bacteriorhodopsin) Films. Advanced Materials, 2007, 19, 2433-2438.	11.1	29
61	Membrane proteins, lipids and detergents: not just a soap opera. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1666, 105-117.	1.4	1,080
62	Higher-Order Synthesis of Organoclay Pipes Using Self-Assembled Lipid Templates. Advanced Materials, 2003, 15, 1816-1819.	11.1	48
63	Helical Silica - Lipid Mesostructures. Materials Research Society Symposia Proceedings, 2002, 726, 1.	0.1	1
64	Chiral Templating of SilicaÃ¢Â€Â"Lipid Lamellar Mesophase with Helical Tubular Architecture We thank the University of Bristol and EPSRC for financial support, and Dr. S. A. Davis and Dr. C. GÃƒÂ¶ltner for helpful discussions.. Angewandte Chemie - International Edition, 2002, 41, 2988.	7.2	172
65	A Family of Polynuclear Cobalt and Nickel Complexes Stabilised by 2-Pyridonate and Carboxylate Ligands. Chemistry - A European Journal, 2000, 6, 883-896.	1.7	61
66	Structural studies of heptanuclear cobalt complexes and larger oligomers based on heptanuclear fragments. Dalton Transactions RSC, 2000, , 3242-3252.	2.3	29
67	A Selfâ€Assembling Flavin for Visible Photooxidation. Chemistry - A European Journal, 0, , .	1.7	3