Ulf Olsson

List of Publications by Year
in descending order

116 papers	2,606 citations	201674 27 h-index	233421 45 g-index
118 all docs	118 docs citations	118 times ranked	2813 citing authors

#	Article	IF	Citations
1	Globular and bicontinuous phases of nonionic surfactant films. Advances in Colloid and Interface Science, 1994, 49, 113-146.	14.7	195
2	Isotropic bicontinuous solutions in surfactant-Solvent systems: the L3 phase. The Journal of Physical Chemistry, 1989, 93, 4243-4253.	2.9	189
3	Amorphous Drug Nanosuspensions. 3. Particle Dissolution and Crystal Growth. Langmuir, 2007, 23, 9866-9874.	3.5	118
4	Preparation of Calcium Alginate Nanoparticles Using Water-in-Oil (W/O) Nanoemulsions. Langmuir, 2012, 28, 4131-4141.	3.5	103
5	Formation of 10â^'100 nm Size-Controlled Emulsions through a Sub-PIT Cycle. Langmuir, 2010, 26, 3860-3867.	3.5	71
6	Structure of single-wall peptide nanotubes: in situ flow aligning X-ray diffraction. Chemical Communications, 2010, 46, 6270.	4.1	62
7	Temperature Quenched DODAB Dispersions:Â Fluid and Solid State Coexistence and Complex Formation with Oppositely Charged Surfactant. Langmuir, 2004, 20, 3906-3912.	3.5	58
8	Influence of End-Capping on the Self-Assembly of Model Amyloid Peptide Fragments. Journal of Physical Chemistry B, 2011, 115, 2107-2116.	2.6	52
9	On the flexible surface model of sponge phases and microemulsions. Langmuir, 1993, 9, 365-368.	3.5	51
10	Dynamic phase diagram and onion formation in the system C10E3/D2O. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 228, 85-90.	4.7	51
11	Bone mineral crystal size and organization vary across mature rat bone cortex. Journal of Structural Biology, 2016, 195, 337-344.	2.8	46
12	Impact of branching on the viscoelasticity of wormlike reverse micelles. Soft Matter, 2012, 8, 10941.	2.7	43
13	Subgel transition in diluted vesicular DODAB dispersions. Soft Matter, 2009, 5, 1735.	2.7	38
14	On cellulose dissolution and aggregation in aqueous tetrabutylammonium hydroxide. Biomacromolecules, 2016, 17, 2873-2881.	5.4	38
15	Multilamellar Vesicle Formation from a Planar Lamellar Phase under Shear Flow. Langmuir, 2014, 30, 8316-8325.	3.5	37
16	Tailoring Supramolecular Nanotubes by Bile Salt Based Surfactant Mixtures. Angewandte Chemie - International Edition, 2015, 54, 7018-7021.	13.8	37
17	Peptide nanotube formation: a crystal growth process. Soft Matter, 2012, 8, 7463.	2.7	36
18	On the dissolution of cellulose in tetrabutylammonium acetate/dimethyl sulfoxide: a frustrated solvent. Cellulose, 2017, 24, 3645-3657.	4.9	36

#	Article	IF	Citations
19	Amino acidâ€“bile acid based molecules: extremely narrow surfactant nanotubes formed by a phenylalanine-substituted cholic acid. Chemical Communications, 2012, 48, 12011.	4.1	34
20	Complexation between DNA and surfactants and lipids: phase behavior and molecular organization. Soft Matter, 2012, 8, 11022.	2.7	34
21	Planar lamellae and onions: a spatially resolved rheoâ€“NMR approach to the shear-induced structural transformations in a surfactant model system. Soft Matter, 2011, 7, 4938.	2.7	33
22	Between Peptides and Bile Acids: Self-Assembly of Phenylalanine Substituted Cholic Acids. Journal of Physical Chemistry B, 2013, 117, 9248-9257.	2.6	33
23	PEGylated cationic liposomeâ€“DNA complexation in brine is pathway-dependent. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 398-412.	2.6	33
24	Structural analysis of Ioncell-F fibres from birch wood. Carbohydrate Polymers, 2018, 181, 893-901.	10.2	33
25	Structural transitions induced by shear flow and temperature variation in a nonionic surfactant/water system. Journal of Colloid and Interface Science, 2012, 372, 32-39.	9.4	31
26	Nanotubes and bilayers in a model peptide system. Soft Matter, 2011, 7, 4868.	2.7	29
27	On the dissolution state of cellulose in cold alkali solutions. Cellulose, 2017, 24, 2003-2015.	4.9	29
28	Thermal transitions of DODAB vesicular dispersions. Colloid and Polymer Science, 2005, 283, 1376-1381.	2.1	28
29	Sugarâ€“Bile Acid-Based Bolaamphiphiles: From Scrolls to Monodisperse Single-Walled Tubules. Langmuir, 2014, 30, 6358-6366.	3.5	27
30	Nematic Director Reorientation at Solid and Liquid Interfaces under Flow: SAXS Studies in a Microfluidic Device. Langmuir, 2015, 31, 4361-4371.	3.5	27
31	Encapsulation of DNA in Macroscopic and Nanosized Calcium Alginate Gel Particles. Langmuir, 2013, 29, 15926-15935.	3.5	26
32	Ferrihydrite Nanoparticle Aggregation Induced by Dissolved Organic Matter. Journal of Physical Chemistry A, 2018, 122, 7730-7738.	2.5	26
33	Effect of Shear Rates on the MLV Formation and MLV Stability Region in the C12E5/D2O System: Rheology and Rheo-NMR and Rheo-SANS Experiments. Langmuir, 2011, 27, 2088-2092.	3.5	25
34	Multi-lamellar vesicle formation in a long-chain nonionic surfactant: C16E4/D2O system. Journal of Colloid and Interface Science, 2011, 362, 1-4.	9.4	25
35	Rheochaos and flow instability phenomena in a nonionic lamellar phase. Soft Matter, 2013, 9, 1133-1140.	2.7	25
36	Shape and Phase Transitions in a PEGylated Phospholipid System. Langmuir, 2019, 35, 3999-4010.	3.5	25

#	Article	IF	Citations
37	Rheological and rheo-SALS investigation of the multi-lamellar vesicle formation in the C12E3/D2O system. Journal of Colloid and Interface Science, 2012, 367, 537-539.	9.4	24
38	Phase Behavior of Bicontinuous and Water/Diesel Fuel Microemulsions Using Nonionic Surfactants Combined with Hydrophilic Alcohol Ethoxylates. Journal of Dispersion Science and Technology, 2015, 36, 10-17.	2.4	24
39	Celluloseâ€"solvent interactions from self-diffusion NMR. Cellulose, 2016, 23, 2753-2758.	4.9	24
40	Effects of oil on the curvature elastic properties of nonionic surfactant films: Thermodynamics of balanced microemulsions. Physical Review E, 2006, 73, 041506.	2.1	23
41	Orderâˆ'Disorder Transition of Nonionic Onions under Shear Flow. Langmuir, 2010, 26, 7988-7995.	3.5	23
42	Cyclodextrinâ€"Surfactant Coassembly Depends on the Cyclodextrin Ability To Crystallize. Langmuir, 2012, 28, 2387-2394.	3.5	23
43	Cellulose gelation in NaOH solutions is due to cellulose crystallization. Cellulose, 2018, 25, 3205-3210.	4.9	23
44	Amyloid Î² 42 fibril structure based on small-angle scattering. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	23
45	Adsorption of Anionic Dyes Using a Poly(styrene-<i>block</i>-4-vinylpyridine) Block Copolymer Organogel. Langmuir, 2021, 37, 3996-4006.	3.5	22
46	Emulsion Ripening through Molecular Exchange at Droplet Contacts. Angewandte Chemie - International Edition, 2015, 54, 1452-1455.	13.8	21
47	The cooling process effect on the bilayer phase state of the CTAC/cetearyl alcohol/water surfactant gel. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 597, 124821.	4.7	21
48	Effect of Flow Reversal on the Shear Induced Formation of Multilamellar Vesicles. Journal of Physical Chemistry B, 2004, 108, 6328-6335.	2.6	20
49	On the Ripening of Vesicle Dispersions. Journal of Physical Chemistry B, 2002, 106, 5135-5138.	2.6	19
50	Evaluation of composition and mineral structure of callus tissue in rat femoral fracture. Journal of Biomedical Optics, 2014, 19, 025003.	2.6	19
51	Fibril Charge Affects Î±-Synuclein Hydrogel Rheological Properties. Langmuir, 2019, 35, 16536-16544.	3.5	18
52	Transient and Steady-State Shear Banding in a Lamellar Phase as Studied by Rheo-NMR. Zeitschrift Fur Physikalische Chemie, 2012, 226, 1293-1314.	2.8	17
53	Dynamic Phase Diagram of a Nonionic Surfactant Lamellar Phase. Journal of Physical Chemistry B, 2014, 118, 3622-3629.	2.6	17
54	Stable, metastable and unstable cellulose solutions. Royal Society Open Science, 2017, 4, 170487.	2.4	17

#	Article	IF	Citations
55	Twisted Ribbon Aggregates in a Model Peptide System. Langmuir, 2019, 35, 5802-5808.	3.5	16
56	Incomplete Lipid Chain Freezing of Sonicated Vesicular Dispersions of Double-Tailed Ionic Surfactants. Langmuir, 2007, 23, 10455-10462.	3.5	15
57	Colloidal Structure and Physical Properties of Gel Networks Containing Anionic Surfactant and Fatty Alcohol Mixture. Journal of Dispersion Science and Technology, 2011, 32, 807-815.	2.4	15
58	Superswollen Microemulsions Stabilized by Shear and Trapped by a Temperature Quench. Langmuir, 2011, 27, 10447-10454.	3.5	15
59	Multilamellar Vesicle Formation Probed by Rheo-NMR and Rheo-SALS under Large Amplitude Oscillatory Shear. Langmuir, 2018, 34, 8314-8325.	3.5	15
60	Surfactant-free alternative fuel: Phase behavior and diffusion properties. Journal of Colloid and Interface Science, 2016, 463, 173-179.	9.4	14
61	Aggregation behavior of the amyloid model peptide NACore. Quarterly Reviews of Biophysics, 2019, 52, .	5.7	14
62	Revisiting the Dissolution of Cellulose in NaOH as â€œSeenâ€•by X-rays. Polymers, 2020, 12, 342.	4.5	14
63	Characterization of Iron and Organic Carbon Colloids in Boreal Rivers and Their Fate at High Salinity. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005517.	3.0	14
64	Lamellar phase separation in a centrifugal field. A method for measuring interbilayer forces. Soft Matter, 2010, 6, 4520.	2.7	13
65	Arrested dynamics in a model peptide hydrogel system. Soft Matter, 2020, 16, 2642-2651.	2.7	13
66	The undulation force; theoretical results versus experimental demonstrations. Advances in Colloid and Interface Science, 2014, 208, 10-13.	14.7	12
67	Aqueous Self-Assembly within the Homologous Peptide Series A_{<i>n</i>}K. Langmuir, 2014, 30, 10072-10079.	3.5	12
68	Small-Angle X-ray Scattering Demonstrates Similar Nanostructure in Cortical Bone from Young Adult Animals of Different Species. Calcified Tissue International, 2016, 99, 76-87.	3.1	12
69	Tube to ribbon transition in a self-assembling model peptide system. Physical Chemistry Chemical Physics, 2020, 22, 18320-18327.	2.8	12
70	Potential Determining Salts in Microemulsions: Interfacial Distribution and Effect on the Phase Behavior. Langmuir, 2013, 29, 15738-15746.	3.5	11
71	Microstructures of cellulose coagulated in water and alcohols from 1-ethyl-3-methylimidazolium acetate: contrasting coagulation mechanisms. Cellulose, 2019, 26, 1545-1563.	4.9	11
72	Micro- and nanophase separations in hierarchical self-assembly of strongly amphiphilic block copolymer-based ionic supramolecules. Soft Matter, 2013, 9, 1540-1555.	2.7	10

#	Article	IF	Citations
73	Phase Coexistence in a Dynamic Phase Diagram. ChemPhysChem, 2015, 16, 2459-2465.	2.1	10
74	Alternative Diesel Fuel: Microemulsion Phase Behavior and Combustion Properties. Journal of Dispersion Science and Technology, 2016, 37, 894-899.	2.4	10
75	Water-Diesel Microemulsions Stabilized by an Anionic Extended Surfactant and a Cationic Hydrotrope. Journal of Dispersion Science and Technology, 2012, 33, 516-520.	2.4	9
76	DNA with Double-Chained Amphiphilic Counterions and Its Interaction with Lecithin. Langmuir, 2012, 28, 13698-13704.	3.5	9
77	Microemulsions of Record Low Amphiphile Concentrations Are Affected by the Ambient Gravitational Field. Journal of Physical Chemistry B, 2016, 120, 6074-6079.	2.6	9
78	Two Dimensional Oblique Molecular Packing within a Model Peptide Ribbon Aggregate. ChemPhysChem, 2020, 21, 1519-1523.	2.1	9
79	SAXS/WAXS Investigation of Amyloid-Î²(16-22) Peptide Nanotubes. Frontiers in Bioengineering and Biotechnology, 2021, 9, 654349.	4.1	9
80	DNA with amphiphilic counterions: tuning colloidal DNA with cyclodextrin. Soft Matter, 2012, 8, 4988.	2.7	8
81	Embedding DNA in surfactant mesophases: The phase diagram of the ternary system dodecyltrimethylammoniumâ€"DNA/monoolein/water in comparison to the DNA-free analogue. Journal of Colloid and Interface Science, 2013, 394, 360-367.	9.4	8
82	NACore Amyloid Formation in the Presence of Phospholipids. Frontiers in Physiology, 2020, 11, 592117.	2.8	8
83	Fusion of Nonionic Vesicles. Langmuir, 2010, 26, 5421-5427.	3.5	7
84	Tailoring Supramolecular Nanotubes by Bile Salt Based Surfactant Mixtures. Angewandte Chemie, 2015, 127, 7124-7127.	2.0	7
85	Self-Assembly of Model Amphiphilic Peptides in Nonaqueous Solvents: Changing the Driving Force for Aggregation Does Not Change the Fibril Structure. Langmuir, 2020, 36, 8451-8460.	3.5	7
86	Fusion and fission of catanionic bilayers. Soft Matter, 2011, 7, 1686.	2.7	6
87	Aqueous phase behavior of polyelectrolytes with amphiphilic counterions modulated by cyclodextrin: the role of polyion flexibility. Physical Chemistry Chemical Physics, 2012, 14, 9574.	2.8	6
88	Portal Stability Controls Dynamics of DNA Ejection from Phage. Journal of Physical Chemistry B, 2016, 120, 6421-6429.	2.6	6
89	Comparison of small-angle neutron and X-ray scattering for studying cortical bone nanostructure. Scientific Reports, 2020, 10, 14552.	3.3	6
90	Phase Behavior of Microemulsions Formulated with Sodium Alkyl Polypropylene Oxide Sulfate and a Cationic Hydrotrope. Journal of Dispersion Science and Technology, 2012, 33, 369-373.	2.4	5

#	Article	IF	Citations
91	Morphological investigation of polydisperse asymmetric block copolymer systems of poly(styrene) and poly(methacrylic acid) in the strong segregation regime. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1657-1671.	2.1	5
92	Entropic forces between fluid layers. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2944-E2944.	7.1	5
93	Solubility of AÎ²40 peptide. Jcis Open, 2021, 4, 100024.	3.2	5
94	Strong inhibition of peptide amyloid formation byÂaÂfatty acid. Biophysical Journal, 2021, 120, 4536-4546.	0.5	5
95	Comparing Î±-Synuclein Fibrils Formed in the Absence and Presence of a Model Lipid Membrane: A Small and Wide-Angle X-Ray Scattering Study. , 2022, 1, .		5
96	Study of the micelle-to-vesicle transition and smallest possible vesicle size by temperature-jumps. Journal of Colloid and Interface Science, 2013, 396, 173-177.	9.4	4
97	Particles with tunable wettability for solid-stabilized emulsions. Journal of Dispersion Science and Technology, 2019, 40, 219-230.	2.4	4
98	Multiscale Structural Elucidation of Peptide Nanotubes by X-Ray Scattering Methods. Frontiers in Bioengineering and Biotechnology, 2021, 9, 654339.	4.1	4
99	Characterization of the Colloidal Properties of Dissolved Organic Matter From Forest Soils. Frontiers in Soil Science, 2022, 2, .	2.2	4
100	Real time MRI to elucidate the functionality of coating films intended for modified release. Journal of Controlled Release, 2019, 311-312, 117-124.	9.9	3
101	Slow Dissolution Kinetics of Model Peptide Fibrils. International Journal of Molecular Sciences, 2020, 21, 7671.	4.1	3
102	Lamellar Microdomains of Block-Copolymer-Based Ionic Supramolecules Exhibiting a Hierarchical Self-Assembly. Macromolecules, 2014, 47, 3428-3435.	4.8	2
103	The colloidal structure of a cellulose fiber. Cellulose, 2021, 28, 2779-2789.	4.9	2
104	Macroemulsions from the Perspective of Microemulsions. , 2001, , 95-107.		2
105	On the Cluster Formation of Î±-Synuclein Fibrils. Frontiers in Molecular Biosciences, 2021, 8, 768004.	3.5	2
106	Microfluidics with In-Situ Small-Angle X-Ray Scattering: A Tool to Investigate the Neurofilament Self-Assembly Mechanism. Biophysical Journal, 2013, 104, 141a.	0.5	1
107	Colloid Phase Behavior. , 2014, , 159-176.		1
108	Formation of reverse vesicles in silicone surfactant systems. Journal of Dispersion Science and Technology, 2017, 38, 1804-1810.	2.4	1

#	Article	IF	Citations
109	Rapid confocal imaging of vesicle-to-sponge phase droplet transition in dilute dispersions of the C10E3 surfactant. Scientific Reports, 2019, 9, 2292.	3.3	1
110	Surfactant Self-Assembly Structures at Interfaces, in Polymer Solutions, and in Bulk: Micellar Size and Connectivity. , 2018, , 101-126.		1
111	A novel X-ray diffraction approach to assess the crystallinity of regenerated cellulose fibers. IUCrJ, 2022, 9, 492-496.	2.2	1
112	Unusual Phase Behavior in a Two-Component System Catanionic Surfactant-Water: From Lamellar-Lamellar to Vesicle-Micelle Coexistence. Statistical Science and Interdisciplinary Research, 2012, , 69-84.	0.0	0
113	The Effect of Formation Pathway on the Structure and Stability of PEGylated Lipoplexes at Physiological Conditions: Implications for Gene Delivery. Biophysical Journal, 2012, 102, 637a.	0.5	0
114	A Study in Semenogelin I Hydrogel Aggregation Kinetics. Biophysical Journal, 2015, 108, 484a.	0.5	0
115	Editorial: Fibrous Assemblies: From Synthesis and Nanostructure Characterization to Materials Development and Application. Frontiers in Bioengineering and Biotechnology, 2021, 9, 778094.	4.1	0
116	Colloid phase behavior. , 2022, , 183-199.		0