Nikolai D Denkov

List of Publications by Year
in descending order

160 papers	12,584 citations	25423 59 h-index	30277 107 g-index
166 all docs	166 docs citations	166 times ranked	9872 citing authors

#	Article	IF	Citations
1	Mechanism of formation of two-dimensional crystals from latex particles on substrates. Langmuir, 1992, 8, 3183-3190.	1.6	1,091
2	Two-dimensional crystallization. Nature, 1993, 361, 26-26.	13.7	713
3	Charging of Oilâ^'Water Interfaces Due to Spontaneous Adsorption of Hydroxyl Ions. Langmuir, 1996, 12, 2045-2051.	1.6	705
4	Capillary forces and structuring in layers of colloid particles. Current Opinion in Colloid and Interface Science, 2001, 6, 383-401.	3.4	503
5	Comparison of solid particles, globular proteins and surfactants as emulsifiers. Physical Chemistry Chemical Physics, 2008, 10, 1608.	1.3	388
6	Mechanisms of Foam Destruction by Oil-Based Antifoams. Langmuir, 2004, 20, 9463-9505.	1.6	339
7	Coalescence stability of emulsions containing globular milk proteins. Advances in Colloid and Interface Science, 2006, 123-126, 259-293.	7.0	281
8	A possible mechanism of stabilization of emulsions by solid particles. Journal of Colloid and Interface Science, 1992, 150, 589-593.	5.0	261
9	Emulsification in turbulent flow. Journal of Colloid and Interface Science, 2007, 312, 363-380.	5.0	227
10	Lateral Capillary Forces between Floating Submillimeter Particles. Journal of Colloid and Interface Science, 1993, 157, 100-112.	5.0	212
11	Role of Surfactant Type and Concentration for the Mean Drop Size during Emulsification in Turbulent Flow. Langmuir, 2004, 20, 7444-7458.	1.6	212
12	Foaming and Foam Stability for Mixed Polymerâ€"Surfactant Solutions: Effects of Surfactant Type and Polymer Charge. Langmuir, 2012, 28, 4996-5009.	1.6	208
13	The role of surfactant type and bubble surface mobility in foam rheology. Soft Matter, 2009, 5, 3389.	1.2	177
14	Surface Rheology of Saponin Adsorption Layers. Langmuir, 2011, 27, 12486-12498.	1.6	177
15	Wall slip and viscous dissipation in sheared foams: Effect of surface mobility. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 263, 129-145.	2.3	176
16	Interrelation between Drop Size and Protein Adsorption at Various Emulsification Conditions. Langmuir, 2003, 19, 5640-5649.	1.6	173
17	Synergistic Sphere-to-Rod Micelle Transition in Mixed Solutions of Sodium Dodecyl Sulfate and Cocoamidopropyl Betaine. Langmuir, 2004, 20, 565-571.	1.6	163
18	Surfactant Mixtures for Control of Bubble Surface Mobility in Foam Studies. Langmuir, 2008, 24, 9956-9961.	1.6	149

#	Article	IF	Citations
19	Energetical and Force Approaches to the Capillary Interactions between Particles Attached to a Liquid-Fluid Interface. Journal of Colloid and Interface Science, 1993, 155, 420-437.	5.0	146
20	Particles with an Undulated Contact Line at a Fluid Interface:Â Interaction between Capillary Quadrupoles and Rheology of Particulate Monolayers. Langmuir, 2001, 17, 7694-7705.	1.6	126
21	Coalescence in Î²-Lactoglobulin-Stabilized Emulsions:â€‰ Effects of Protein Adsorption and Drop Size. Langmuir, 2002, 18, 8960-8971.	1.6	124
22	Self-shaping of oil droplets via the formation of intermediate rotator phases upon cooling. Nature, 2015, 528, 392-395.	13.7	123
23	Role of Betaine as Foam Booster in the Presence of Silicone Oil Drops. Langmuir, 2000, 16, 1000-1013.	1.6	121
24	Control of Ostwald Ripening by Using Surfactants with High Surface Modulus. Langmuir, 2011, 27, 14807-14819.	1.6	110
25	Analytical expression for the oscillatory structural surface force. Chemical Physics Letters, 1995, 240, 385-392.	1.2	102
26	Foamability of aqueous solutions: Role of surfactant type and concentration. Advances in Colloid and Interface Science, 2020, 276, 102084.	7.0	102
27	Mechanistic understanding of the modes of action of foam control agents. Advances in Colloid and Interface Science, 2014, 206, 57-67.	7.0	101
28	Micellar solubilization of poorly water-soluble drugs: effect of surfactant and solubilizate molecular structure. Drug Development and Industrial Pharmacy, 2018, 44, 677-686.	0.9	101
29	Direct measurement of lateral capillary forces. Langmuir, 1993, 9, 3702-3709.	1.6	97
30	Selection of Surfactants for Stable Paraffin-in-Water Dispersions, undergoing Solidâ^'Liquid Transition of the Dispersed Particles. Langmuir, 2006, 22, 3560-3569.	1.6	96
31	Capillary mechanisms in membrane emulsification: oil-in-water emulsions stabilized by Tween 20 and milk proteins. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 209, 83-104.	2.3	94
32	Remarkably high surface visco-elasticity of adsorption layers of triterpenoid saponins. Soft Matter, 2013, 9, 5738.	1.2	94
33	Film Trapping Technique:Â Precise Method for Three-Phase Contact Angle Determination of Solid and Fluid Particles of Micrometer Size. Langmuir, 1996, 12, 6665-6675.	1.6	90
34	Effect of Oily Additives on Foamability and Foam Stability. 1. Role of Interfacial Properties. Langmuir, 2001, 17, 6999-7010.	1.6	88
35	Emulsification in turbulent flow. Journal of Colloid and Interface Science, 2007, 313, 612-629.	5.0	87
36	Viscous Friction in Foams and Concentrated Emulsions under Steady Shear. Physical Review Letters, 2008, 100, 138301.	2.9	85

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37	Formation of two-dimensional structures from colloidal particles on fluorinated oil substrate. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 2077.	1.7	84
38	Mechanisms of Action of Mixed Solidâ˜'Liquid Antifoams. 1. Dynamics of Foam Film Rupture. Langmuir, 1999, 15, 8514-8529.	1.6	84
39	Measurement of the Drag Coefficient of Spherical Particles Attached to Fluid Interfaces. Journal of Colloid and Interface Science, 1995, 172, 147-154.	5.0	83
40	Rotator phases in alkane systems: In bulk, surface layers and micro/nano-confinements. Advances in Colloid and Interface Science, 2019, 269, 7-42.	7.0	83
41	Diffusion of charged colloidal particles at low volume fraction: Theoretical model and light scattering experiments. Journal of Colloid and Interface Science, 1992, 149, 329-344.	5.0	82
42	Emulsification in turbulent flow:. Journal of Colloid and Interface Science, 2007, 310, 570-589.	5.0	81
43	Factors controlling the formation and stability of foams used as precursors of porous materials. Journal of Colloid and Interface Science, 2014, 426, 9-21.	5.0	79
44	Surface Shear Rheology of Saponin Adsorption Layers. Langmuir, 2012, 28, 12071-12084.	1.6	77
45	Coalescence dynamics of deformable Brownian emulsion droplets. Langmuir, 1993, 9, 1731-1740.	1.6	76
46	Pair interaction energy between deformable drops and bubbles. Journal of Chemical Physics, 1993, 99, 7179-7189.	1.2	75
47	Evaluation of the Precision of Drop-Size Determination in Oil/Water Emulsions by Low-Resolution NMR Spectroscopy. Langmuir, 2004, 20, 11402-11413.	1.6	74
48	Precise Method for Measuring the Shear Surface Viscosity of Surfactant Monolayers. Langmuir, 1996, 12, 2650-2653.	1.6	71
49	Flocculation of Deformable Emulsion Droplets. Journal of Colloid and Interface Science, 1995, 176, 201-213.	5.0	69
50	Instrument and methods for surface dilatational rheology measurements. Review of Scientific Instruments, 2008, 79, 104102.	0.6	67
51	Formation of two-dimensional colloid crystals in liquid films under the action of capillary forces. Journal of Physics Condensed Matter, 1994, 6, A395-A402.	0.7	66
52	Role of polymerâ€"surfactant interactions in foams: Effects of pH and surfactant head group for cationic polyvinylamine and anionic surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 438, 174-185.	2.3	66
53	Theoretical model of viscous friction inside steadily sheared foams and concentrated emulsions. Physical Review E, 2008, 78, 011405.	0.8	65
54	Surface properties of adsorption layers formed from triterpenoid and steroid saponins. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 491, 18-28.	2.3	65

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55	Foamâ€“wall friction: Effect of air volume fraction for tangentially immobile bubble surface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 282-283, 329-347.	2.3	64
56	Effects of Electrolyte Concentration and pH on the Coalescence Stability of Î²-Lactoglobulin Emulsions:Â Experiment and Interpretation. Langmuir, 2005, 21, 4842-4855.	1.6	63
57	Breakup of bubbles and drops in steadily sheared foams and concentrated emulsions. Physical Review E, 2008, 78, 051405.	0.8	63
58	Foam Boosting by Amphiphilic Molecules in the Presence of Silicone Oil. Langmuir, 2001, 17, 969-979.	1.6	62
59	Flocculation of Deformable Emulsion Droplets. Journal of Colloid and Interface Science, 1995, 176, 189-200.	5.0	60
60	Efficient Emulsification of Viscous Oils at High Drop Volume Fraction. Langmuir, 2011, 27, 14783-14796.	1.6	59
61	Effect of Oily Additives on Foamability and Foam Stability. 2. Entry Barriers. Langmuir, 2001, 17, 7011-7021.	1.6	57
62	Effect of Thermal Treatment, Ionic Strength, and pH on the Short-Term and Long-Term Coalescence Stability of Î²-Lactoglobulin Emulsions. Langmuir, 2006, 22, 6042-6052.	1.6	57
63	The role of the hydrophobic phase in the unique rheological properties of saponin adsorption layers. Soft Matter, 2014, 10, 7034-7044.	1.2	57
64	Capillary Image Forces. Journal of Colloid and Interface Science, 1994, 167, 47-65.	5.0	56
65	Mechanisms of Action of Mixed Solidâ˘Liquid Antifoams. 2. Stability of Oil Bridges in Foam Films. Langmuir, 1999, 15, 8530-8542.	1.6	56
66	Kinetics of Solubilization of n-Decane and Benzene by Micellar Solutions of Sodium Dodecyl Sulfate. Journal of Colloid and Interface Science, 2002, 245, 371-382.	5.0	56
67	Stresses in lipid membranes and interactions between inclusions. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 3415.	1.7	55
68	Nanoparticle Arrays in Freely Suspended Vitrified Films. Physical Review Letters, 1996, 76, 2354-2357.	2.9	54
69	Lowering of cholesterol bioaccessibility and serum concentrations by saponins: in vitro and in vivo studies. Food and Function, 2015, 6, 501-512.	2.1	54
70	Control of drop shape transformations in cooled emulsions. Advances in Colloid and Interface Science, 2016, 235, 90-107.	7.0	51
71	Physicochemical control of foam properties. Current Opinion in Colloid and Interface Science, 2020, 50, 101376.	3.4	49
72	Coalescence stability of water-in-oil drops: Effects of drop size and surfactant concentration. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 531, 32-39.	2.3	48

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73	Effects of Emulsifier Charge and Concentration on Pancreatic Lipolysis: 2. Interplay of Emulsifiers and Biles. Langmuir, 2012, 28, 12140-12150.	1.6	46
74	Capillary meniscus interaction between a microparticle and a wall. Colloids and Surfaces, 1992, 67, 119-138.	0.9	45
75	Mechanisms of Action of Mixed Solidâ^'Liquid Antifoams:Â 3. Exhaustion and Reactivation. Langmuir, 2000, 16, 2515-2528.	1.6	45
76	Particle detachment from fluid interfaces: theory vs. experiments. Soft Matter, 2016, 12, 7632-7643.	1.2	45
77	Role of surface properties for the kinetics of bubble Ostwald ripening in saponin-stabilized foams. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 534, 16-25.	2.3	45
78	Self-Assembly of Escin Molecules at the Airâ€"Water Interface as Studied by Molecular Dynamics. Langmuir, 2017, 33, 8330-8341.	1.6	45
79	Capillary Image Forces. Journal of Colloid and Interface Science, 1994, 167, 66-73.	5.0	43
80	Electron Cryomicroscopy of Bacteriorhodopsin Vesicles: Mechanism of Vesicle Formation. Biophysical Journal, 1998, 74, 1409-1420.	0.2	43
81	Efficient self-emulsification via cooling-heating cycles. Nature Communications, 2017, 8, 15012.	5.8	43
82	Foam Destruction by Mixed Solidâ^'Liquid Antifoams in Solutions of Alkyl Glucoside:â€‰ Electrostatic Interactions and Dynamic Effects. Langmuir, 2001, 17, 2426-2436.	1.6	42
83	Role of Oil Spreading for the Efficiency of Mixed Oilâ^'Solid Antifoams. Langmuir, 2002, 18, 5810-5817.	1.6	41
84	Numerical simulation and experimental study of emulsification in a narrow-gap homogenizer. Chemical Engineering Science, 2006, 61, 5841-5855.	1.9	41
85	On the Mechanism of Drop Self-Shaping in Cooled Emulsions. Langmuir, 2016, 32, 7985-7991.	1.6	41
86	Mass transport in micellar surfactant solutions: 1. Relaxation of micelle concentration, aggregation number and polydispersity. Advances in Colloid and Interface Science, 2006, 119, 1-16.	7.0	40
87	Interaction between deformable Brownian droplets. Physical Review Letters, 1993, 71, 3226-3229.	2.9	39
88	Factors affecting the stability of water-oil-water emulsion films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 522, 608-620.	2.3	39
89	Investigation of the mechanisms of stabilization of food emulsions by vegetable proteins. Food Hydrocolloids, 1993, 7, 55-71.	5.6	38
90	Kinetics of Triglyceride Solubilization by Micellar Solutions of Nonionic Surfactant and Triblock Copolymer. 1. Empty and Swollen Micelles. Langmuir, 2002, 18, 7880-7886.	1.6	38

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91	Control of surfactant solution rheology using medium-chain cosurfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 537, 173-184.	2.3	38
92	Jamming in Sheared Foams and Emulsions, Explained by Critical Instability of the Films between Neighboring Bubbles and Drops. Physical Review Letters, 2009, 103, 118302.	2.9	37
93	Efficient Control of the Rheological and Surface Properties of Surfactant Solutions Containing C8â€“C18 Fatty Acids as Cosurfactants. Langmuir, 2013, 29, 8255-8265.	1.6	37
94	Drying of particle-loaded foams for production of porous materials: mechanism and theoretical modeling. RSC Advances, 2014, 4, 811-823.	1.7	36
95	Molecular Dynamics Simulation of the Aggregation Patterns in Aqueous Solutions of Bile Salts at Physiological Conditions. Journal of Physical Chemistry B, 2015, 119, 15631-15643.	1.2	36
96	Role of interfacial elasticity for the rheological properties of saponin-stabilized emulsions. Journal of Colloid and Interface Science, 2020, 564, 264-275.	5.0	36
97	Rheological responses of Pickering emulsions prepared using colloidal hydrophilic silica particles in the presence of NaCl. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 465, 168-174.	2.3	34
98	Bottom-Up Synthesis of Polymeric Micro- and Nanoparticles with Regular Anisotropic Shapes. Macromolecules, 2018, 51, 7456-7462.	2.2	34
99	Optimal Hydrophobicity of Silica in Mixed Oilâ^'Silica Antifoams. Langmuir, 2002, 18, 3399-3403.	1.6	33
100	Role of Surface Diffusion for the Drainage and Hydrodynamic Stability of Thin Liquid Films. Langmuir, 2001, 17, 1150-1156.	1.6	32
101	Hydrophobization of Glass Surface by Adsorption of Poly(dimethylsiloxane). Langmuir, 2005, 21, 11729-11737.	1.6	32
102	Mass transport in micellar surfactant solutions: 2. Theoretical modeling of adsorption at a quiescent interface. Advances in Colloid and Interface Science, 2006, 119, 17-33.	7.0	32
103	Method for controlled formation of vitrified films for cryo-electron microscopy. Ultramicroscopy, 1996, 65, 147-158.	0.8	31
104	Surface and foam properties of SLES+CAPB+fatty acid mixtures: Effect of pH for C12â€“C16 acids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 438, 186-198.	2.3	31
105	Adsorption of linear alkyl benzene sulfonates on oilâ€“water interface: Effects of Na+, Mg2+ and Ca2+ ions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 466, 18-27.	2.3	31
106	Light scattering and diffusion in suspensions of strongly charged particles at low volume fractions. Physica A: Statistical Mechanics and Its Applications, 1992, 183, 462-489.	1.2	30
107	Role of Pickering stabilization and bulk gelation for the preparation and properties of solid silica foams. Journal of Colloid and Interface Science, 2017, 504, 48-57.	5.0	30
108	â€œSelf-Shapingâ€•of Multicomponent Drops. Langmuir, 2017, 33, 5696-5706.	1.6	30

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109	Kinetics of Triglyceride Solubilization by Micellar Solutions of Nonionic Surfactant and Triblock Copolymer. 2. Theoretical Model. Langmuir, 2002, 18, 7887-7895.	1.6	29
110	Role of interactions between cationic polymers and surfactants for foam properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 489, 378-391.	2.3	29
111	Theory of Shape-Shifting Droplets. Physical Review Letters, 2017, 118, 088001.	2.9	29
112	Effect of Surfactantâ€“Bile Interactions on the Solubility of Hydrophobic Drugs in Biorelevant Dissolution Media. Molecular Pharmaceutics, 2018, 15, 5741-5753.	2.3	29
113	Effects of Emulsifier Charge and Concentration on Pancreatic Lipolysis. 1. In the Absence of Bile Salts. Langmuir, 2012, 28, 8127-8139.	1.6	28
114	Antibubble lifetime: Influence of the bulk viscosity and of the surface modulus of the mixture. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 365, 43-45.	2.3	27
115	The mechanism of lowering cholesterol absorption by calcium studied by using an in vitro digestion model. Food and Function, 2016, 7, 151-163.	2.1	26
116	Self-regulation of foam volume and bubble size during foaming via shear mixing. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 539, 18-28.	2.3	26
117	Contact angle, film, and line tension of foam films. I. Stationary and dynamic contact angle measurements. Journal of Colloid and Interface Science, 1992, 151, 446-461.	5.0	25
118	Food grade nanoemulsions preparation by rotor-stator homogenization. Food Hydrocolloids, 2020, 102, 105579.	5.6	23
119	Rechargeable self-assembled droplet microswimmers driven by surface phase transitions. Nature Physics, 2021, 17, 1050-1055.	6.5	23
120	Effect of droplet deformation on the interactions in microemulsions. Journal of Colloid and Interface Science, 1991, 143, 157-173.	5.0	22
121	Adsorption from Surfactant Solutions under Diffusion Control. Journal of Colloid and Interface Science, 1993, 161, 361-365.	5.0	22
122	Kinetics of Triglyceride Solubilization by Micellar Solutions of Nonionic Surfactant and Triblock Copolymer. 3. Experiments with Single Drops. Langmuir, 2002, 18, 7896-7905.	1.6	22
123	Multilayer Formation in Self-Shaping Emulsion Droplets. Langmuir, 2019, 35, 5484-5495.	1.6	22
124	Composition of mixed adsorption layers and micelles in solutions of sodium dodecyl sulfate and dodecyl acid diethanol amide. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 233, 193-201.	2.3	21
125	Effect of Cationic Polymers on Foam Rheological Properties. Langmuir, 2012, 28, 1115-1126.	1.6	21
126	Factors affecting the coalescence stability of microbubbles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 508, 21-29.	2.3	21

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127	Interfacial properties and emulsion stability in fluorinated oilâ€"non-fluorinated oilâ€"surfactant(s) systems. Colloids and Surfaces, 1992, 67, 81-93.	0.9	20
128	Mechanisms of cholesterol and saturated fatty acid lowering by Quillaja saponaria extract, studied by in vitro digestion model. Food and Function, 2015, 6, 1319-1330.	2.1	20
129	Model Studies of the Effect of Silica Hydrophobicity on the Efficiency of Mixed Oilâ^'Silica Antifoams. Langmuir, 2002, 18, 8761-8769.	1.6	19
130	Surface phase transitions in foams and emulsions. Current Opinion in Colloid and Interface Science, 2019, 44, 32-47.	3.4	19
131	Energy of Adhesion of Human T Cells to Adsorption Layers of Monoclonal Antibodies Measured by a Film Trapping Technique. Biophysical Journal, 1998, 75, 545-556.	0.2	18
132	Mechanisms and Control of Self-Emulsification upon Freezing and Melting of Dispersed Alkane Drops. Langmuir, 2017, 33, 12155-12170.	1.6	18
133	Structure of Dense Adsorption Layers of Escin at the Airâ€"Water Interface Studied by Molecular Dynamics Simulations. Langmuir, 2019, 35, 12876-12887.	1.6	17
134	Chemical Physics of Colloid Systems and Interfaces. , 2008, , 197-377.		16
135	Model Studies on the Mechanism of Deactivation (Exhaustion) of Mixed Oilâ^'Silica Antifoams. Langmuir, 2003, 19, 3084-3089.	1.6	15
136	In vitro study of triglyceride lipolysis and phase distribution of the reaction products and cholesterol: effects of calcium and bicarbonate. Food and Function, 2012, 3, 1206.	2.1	15
137	Shape-shifting polyhedral droplets. Physical Review Research, 2019, 1, .	1.3	15
138	Modified Capillary Cell for Foam Film Studies Allowing Exchange of the Film-Forming Liquid. Langmuir, 2009, 25, 6035-6039.	1.6	14
139	Self-emulsification in chemical and pharmaceutical technologies. Current Opinion in Colloid and Interface Science, 2022, 59, 101576.	3.4	14
140	Emergence of Polygonal Shapes in Oil Droplets and Living Cells: The Potential Role of Tensegrity in the Origin of Life. , 2018, , 427-490.		11
141	Role of lysophospholipids on the interfacial and liquid film properties of enzymatically modified egg yolk solutions. Food Hydrocolloids, 2020, 99, 105319.	5.6	11
142	Nanopore and Nanoparticle Formation with Lipids Undergoing Polymorphic Phase Transitions. ACS Nano, 2020, 14, 8594-8604.	7.3	11
143	LATERAL CAPILLARY FORCES AND TWO-DIMENSIONA ARRAYS OF COLLOID PARTICLES AND PROTEIN MOLECULES. Journal of Dispersion Science and Technology, 1997, 18, 577-591.	1.3	10
144	Origin of the extremely high elasticity of bulk emulsions, stabilized by Yucca Schidigera saponins. Food Chemistry, 2020, 316, 126365.	4.2	10

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145	Rotator phases in hexadecane emulsion drops revealed by X-ray synchrotron techniques. Journal of Colloid and Interface Science, 2021, 604, 260-271.	5.0	9
146	Rheological properties of rotator and crystalline phases of alkanes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 634, 127926.	2.3	9
147	Diffusion and light scattering in dispersions of charged particles with thin electrical double layers. Chemical Physics, 1993, 175, 265-270.	0.9	8
148	Cold-Burst Method for Nanoparticle Formation with Natural Triglyceride Oils. Langmuir, 2021, 37, 7875-7889.	1.6	8
149	Van der Waals Interaction between Two Truncated Spheres Covered by a Uniform Layer (Deformed) Tj ETQq1 1 0.784314 rgBT /Overl	1.6	7
150	Foam Generation and Stability: Role of the Surfactant Structure and Asphaltene Aggregates. Industrial & Engineering Chemistry Research, 2022, 61, 372-381.	1.8	7
151	Revealing the Origin of the Specificity of Calcium and Sodium Cations Binding to Adsorption Monolayers of Two Anionic Surfactants. Journal of Physical Chemistry B, 2020, 124, 10514-10528.	1.2	6
152	DLVO AND NON-DLVO SURFACE FORCES AND INTERACTIONS IN COLLOIDAL DISPERSIONS. Journal of Dispersion Science and Technology, 1997, 18, 647-659.	1.3	5
153	Spontaneous particle desorption and â€œGorgonâ€•drop formation from particle-armored oil drops upon cooling. Soft Matter, 2020, 16, 2480-2496.	1.2	5
154	Comment on â€œFaceting and Flattening of Emulsion Droplets: A Mechanical Modelâ€• Physical Review Letters, 2021, 126, 259801.	2.9	5
155	Role of Entry Barriers in Foam Destruction by Oil Drops. Surfactant Science, 2002, , 465-500.	0.0	5
156	Attraction between Brownian particles of identical charge in colloid crystals. Chemical Physics Letters, 1990, 166, 452-458.	1.2	3
157	Modification of ultrafiltration membranes by deposition of colloid particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 134, 331-342.	2.3	3
158	Chemical Physics of Colloid Systems and Interfaces. , 2002, , .		3
159	Structure and Undulations of Escin Adsorption Layer at Water Surface Studied by Molecular Dynamics. Molecules, 2021, 26, 6856.	1.7	3
160	Preparation of TiO2 Nanoparticle Aggregates and Capsules by the â€˜Two-Emulsion Methodâ€™. Colloids and Interfaces, 2020, 4, 57.	0.9	2