Norman J Wagner

List of Publications by Year
in descending order

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329 papers	17,255 citations	12330 69 h-index	20961 115 g-index
339 all docs	339 docs citations	339 times ranked	11723 citing authors

#	Article	IF	Citations
1	Design of PLGA-Based Drug Delivery Systems Using a Physically-Based Sustained Release Model. Journal of Pharmaceutical Sciences, 2022, 111, 345-357.	3.3	3
2	Comparison of lunar and Martian regolith simulant-based geopolymer cements formed by alkali-activation for in-situ resource utilization. Advances in Space Research, 2022, 69, 761-777.	2.6	21
3	Structure-property relationships and state behavior of alkali-activated aluminosilicate gels. Cement and Concrete Research, 2022, 151, 106618.	11.0	14
4	Rheological Behavior for Î±-1,3-Glucan Derived from Enzymatic Polymerization of Sucrose. ACS Food Science & Technology, 2022, 2, 240-248.	2.7	2
5	Direct Observation of COVID-19 Prevention Behaviors and Physical Activity in Public Open Spaces. International Journal of Environmental Research and Public Health, 2022, 19, 1335.	2.6	2
6	Aggregation Kinetics of Polysorbate 80/m-Cresol Solutions: A Small-Angle Neutron Scattering Study. Molecular Pharmaceutics, 2022, , .	4.6	2
7	Tensorial formulations for improved thixotropic viscoelastic modeling of human blood. Journal of Rheology, 2022, 66, 327-347.	2.6	15
8	Flux-based modeling of heat and mass transfer in multicomponent systems. Physics of Fluids, 2022, 34, .	4.0	2
9	A Thermodynamically Consistent, Microscopically-Based, Model of the Rheology of Aggregating Particles Suspensions. Entropy, 2022, 24, 717.	2.2	5
10	Microstructure of continuous shear thickening colloidal suspensions determined by rheo-VSANS and rheo-USANS. Soft Matter, 2022, 18, 4325-4337.	2.7	4
11	Anomalous rheological aging of a model thermoreversible colloidal gel following a thermal quench. Journal of Chemical Physics, 2022, 157, .	3.0	5
12	Adsorption of non-ionic surfactant and monoclonal antibody on siliconized surface studied by neutron reflectometry. Journal of Colloid and Interface Science, 2021, 584, 429-438.	9.4	21
13	Structural and rheological aging in model attraction-driven glasses by Rheo-SANS. Soft Matter, 2021, 17, 924-935.	2.7	5
14	Relating chemical composition, structure, and rheology in alkaliâ€activated aluminosilicate gels. Journal of the American Ceramic Society, 2021, 104, 572-583.	3.8	7
15	A comparative study of blood rheology across species. Soft Matter, 2021, 17, 4766-4774.	2.7	12
16	Direct measurements of the microstructural origin of shear-thinning in carbon black suspensions. Journal of Rheology, 2021, 65, 145.	2.6	18
17	Microstructure and rheology of shear-thickening colloidal suspensions with varying interparticle friction: Comparison of experiment with theory and simulation models. Physics of Fluids, 2021, 33, .	4.0	23
18	Rheology of Colloidal Glasses and Gels. , 2021, , 173-226.		11

#	Article	IF	Citations
19	Hemorheology. , 2021, , 316-351.		4
20	Theory of Colloidal Suspension Structure, Dynamics, and Rheology. , 2021, , 44-119.		1
21	Introduction to Colloidal Suspension Rheology. , 2021, , 1-43.		1
22	Lubricant Effects on Articular Cartilage Sliding Biomechanics Under Physiological Fluid Load Support. Tribology Letters, 2021, 69, 1.	2.6	7
23	Microstructure under Flow. , 2021, , 155-172.		1
24	Suspensions of Soft Colloidal Particles. , 2021, , 227-290.		3
25	Methods of Colloidal Simulation. , 2021, , 120-154.		2
26	A Direct Observation Video Method for Describing COVID-19 Transmission Factors on a Micro-Geographical Scale: Viral Transmission (VT)-Scan. International Journal of Environmental Research and Public Health, 2021, 18, 9329.	2.6	3
27	Nanocrystalline protein domains via salting-out. Acta Crystallographica Section F, Structural Biology Communications, 2021, 77, 412-419.	0.8	1
28	Preservative Induced Polysorbate 80 Micelle Aggregation. Journal of Pharmaceutical Sciences, 2021, 110, 2395-2404.	3.3	5
29	Recent advances in blood rheology: a review. Soft Matter, 2021, 17, 10591-10613.	2.7	54
30	Dynamic arrest of adhesive hard rod dispersions. Soft Matter, 2020, 16, 1279-1286.	2.7	9
31	Micellar Morphology of Polysorbate 20 and 80 and Their Ester Fractions in Solution via Small-Angle Neutron Scattering. Journal of Pharmaceutical Sciences, 2020, 109, 1498-1508.	3.3	31
32	Surface Chemical Functionalization of Wrinkled Thiolâ€“Ene Elastomers for Promoting Cellular Alignment. ACS Applied Bio Materials, 2020, 3, 3731-3740.	4.6	5
33	Application of population balance-based thixotropic model to human blood. Journal of Non-Newtonian Fluid Mechanics, 2020, 281, 104294.	2.4	13
34	Experimental test of a frictional contact model for shear thickening in concentrated colloidal suspensions. Journal of Rheology, 2020, 64, 267-282.	2.6	23
35	One-step, in situ jamming point measurements by immobilization cell rheometry. Rheologica Acta, 2020, 59, 209-225.	2.4	4
36	Competitive Surface Activity of Monoclonal Antibodies and Nonionic Surfactants at the Airâ€“Water Interface Determined by Interfacial Rheology and Neutron Reflectometry. Langmuir, 2020, 36, 7814-7823.	3.5	27

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37	Molecular engineering of thixotropic, sprayable fluids with yield stress using associating polysaccharides. Journal of Colloid and Interface Science, 2020, 580, 264-274.	9.4	8
38	Measurements of human blood viscoelasticity and thixotropy under steady and transient shear and constitutive modeling thereof. Journal of Rheology, 2019, 63, 799-813.	2.6	51
39	Data-Driven Development of Predictive Models for Sustained Drug Release. Journal of Pharmaceutical Sciences, 2019, 108, 3582-3591.	3.3	4
40	Microstructure of neat and SBS modified asphalt binder by small-angle neutron scattering. Fuel, 2019, 253, 1589-1596.	6.4	31
41	Waiting-time distributions of particle entrapments in clustered states generated by short-range attractive, long-range repulsive (SALR) interactions. Europhysics Letters, 2019, 126, 38002.	2.0	0
42	Structure-property relationships of sheared carbon black suspensions determined by simultaneous rheological and neutron scattering measurements. Journal of Rheology, 2019, 63, 423-436.	2.6	42
43	On the macroscopic modeling of the rheology and Ostwald ripening of dilute stabilized emulsions. Physics of Fluids, 2019, 31, 021206.	4.0	4
44	In Situ Characterization of the Microstructural Evolution of Biopharmaceutical Solid-State Formulations with Implications for Protein Stability. Molecular Pharmaceutics, 2019, 16, 173-183.	4.6	8
45	Investigation of blood rheology under steady and unidirectional large amplitude oscillatory shear. Journal of Rheology, 2018, 62, 577-591.	2.6	57
46	On the macroscopic modeling of dilute emulsions under flow in the presence of particle inertia. Physics of Fluids, 2018, 30, .	4.0	7
47	Short-time dynamics of lysozyme solutions with competing short-range attraction and long-range repulsion: Experiment and theory. Journal of Chemical Physics, 2018, 148, 065101.	3.0	25
48	Comicellization of Binary PEOâ€“PPOâ€“PEO Triblock Copolymer Mixtures in Ethylammonium Nitrate. Macromolecules, 2018, 51, 1453-1461.	4.8	5
49	Effects of Resin Architecture and Protein Size on Nanoscale Protein Distribution in Ion-Exchange Media. Langmuir, 2018, 34, 673-684.	3.5	13
50	Rapid and controlled photo-induced thiolâ€“ene wrinkle formation via flowcoating. Materials Horizons, 2018, 5, 514-520.	12.2	3
51	Dynamic properties of different liquid states in systems with competing interactions studied with lysozyme solutions. Soft Matter, 2018, 14, 8570-8579.	2.7	12
52	Ultra-Stretchable Conductive Iono-Elastomer And Motion Strain Sensor System Developed Therefrom. Technology and Innovation, 2018, 19, 613-626.	0.2	9
53	Normal lubrication force between spherical particles immersed in a shear-thickening fluid. Physics of Fluids, 2018, 30, 123102.	4.0	11
54	Neutron scattering in the biological sciences: progress and prospects. Acta Crystallographica Section D: Structural Biology, 2018, 74, 1129-1168.	2.3	47

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55	Iono-Elastomer-Based Wearable Strain Sensor with Real-Time Thermomechanical Dual Response. ACS Applied Materials & Interfaces, 2018, 10, 32435-32443.	8.0	27
56	Effects of ex vivo aging and storage temperature on blood viscosity. Clinical Hemorheology and Microcirculation, 2018, 70, 155-172.	1.7	27
57	Adsorption of polysorbate 20 and proteins on hydrophobic polystyrene surfaces studied by neutron reflectometry. Colloids and Surfaces B: Biointerfaces, 2018, 168, 94-102.	5.0	22
58	Branching and alignment in reverse worm-like micelles studied with simultaneous dielectric spectroscopy and RheoSANS. Soft Matter, 2018, 14, 5344-5355.	2.7	13
59	Detecting Branching in Wormlike Micelles via Dynamic Scattering Methods. ACS Macro Letters, 2018, 7, 614-618.	4.8	20
60	Nonlinear rheological behavior of bitumen under LAOS stress. Journal of Rheology, 2018, 62, 975-989.	2.6	21
61	Mechanisms of precipitate formation during the purification of an Fcâ€fusion protein. Biotechnology and Bioengineering, 2018, 115, 2489-2503.	3.3	3
62	Characterization of Proteinâ€“Excipient Microheterogeneity in Biopharmaceutical Solid-State Formulations by Confocal Fluorescence Microscopy. Molecular Pharmaceutics, 2017, 14, 546-553.	4.6	12
63	A constitutive equation for thixotropic suspensions with yield stress by coarseâ€graining a population balance model. AICHE Journal, 2017, 63, 517-531.	3.6	29
64	Synthetic control of the size, shape, and polydispersity of anisotropic silica colloids. Journal of Colloid and Interface Science, 2017, 501, 45-53.	9.4	25
65	Thermal rheology and microstructure of shear thickening suspensions of silica nanoparticles dispersed in the ionic liquid [C₄mim][BF₄]. Journal of Rheology, 2017, 61, 525-535.	2.6	19
66	Editorial Overview: Nanotechnology. Current Opinion in Chemical Engineering, 2017, 16, i-ii.	7.8	0
67	Experimental investigation of the dielectric properties of soil under hydraulic loading. Measurement Science and Technology, 2017, 28, 044001.	2.6	7
68	Structure-rheology relationship for a homogeneous colloidal gel under shear startup. Journal of Rheology, 2017, 61, 117-137.	2.6	33
69	The rheology and microstructure of an aging thermoreversible colloidal gel. Journal of Rheology, 2017, 61, 23-34.	2.6	39
70	A strain-controlled RheoSANS instrument for the measurement of the microstructural, electrical, and mechanical properties of soft materials. Review of Scientific Instruments, 2017, 88, 105115.	1.3	16
71	Planar channel flow of a discontinuous shear-thickening model fluid: Theory and simulation. Physics of Fluids, 2017, 29, .	4.0	15
72	Clustering and Percolation in Suspensions of Carbon Black. Langmuir, 2017, 33, 12260-12266.	3.5	59

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73	Force-induced cleavage of a labile bond for enhanced mechanochemical crosslinking. Polymer Chemistry, 2017, 8, 6485-6489.	3.9	18
74	Self-Assembly of Block Copolymers in Ionic Liquids. ACS Symposium Series, 2017, , 83-142.	0.5	5
75	Dynamic shear rheology and structure kinetics modeling of a thixotropic carbon black suspension. Rheologica Acta, 2017, 56, 811-824.	2.4	28
76	On the macroscopic modelling of dilute emulsions under flow. Journal of Fluid Mechanics, 2017, 831, 433-473.	3.4	17
77	An experimental study of multimodal glass suspension rheology to test and validate a polydisperse suspension viscosity model. Rheologica Acta, 2017, 56, 995-1006.	2.4	4
78	Dielectric RheoSANS — Simultaneous Interrogation of Impedance, Rheology and Small Angle Neutron Scattering of Complex Fluids. Journal of Visualized Experiments, 2017, , .	0.3	9
79	An adaptive parallel tempering method for the dynamic dataâ€driven parameter estimation of nonlinear models. AICHE Journal, 2017, 63, 1937-1958.	3.6	34
80	Dynamic infrared sample controlled (DISCO) temperature for the tumbler cellsÂfor ultra small angle neutron scatteringÂ(USANS). Journal of Neutron Research, 2017, 19, 23-26.	1.1	6
81	Instrumentation and measurement strategy for the NOAA SENEX aircraft campaign as part of the Southeast Atmosphere Study 2013. Atmospheric Measurement Techniques, 2016, 9, 3063-3093.	3.1	58
82	The 8th American Conference on Neutron Scattering. Neutron News, 2016, 27, 4-10.	0.2	0
83	Modeling the effects of polydispersity on the viscosity of noncolloidal hard sphere suspensions. Journal of Rheology, 2016, 60, 225-240.	2.6	27
84	Rheology of non-Brownian particles suspended in concentrated colloidal dispersions at low particle Reynolds number. Journal of Rheology, 2016, 60, 47-59.	2.6	28
85	Dynamic shear rheology of a thixotropic suspension: Comparison of an improved structure-based model with large amplitude oscillatory shear experiments. Journal of Rheology, 2016, 60, 433-450.	2.6	99
86	Modeling the viscosity of polydisperse suspensions: Improvements in prediction of limiting behavior. Physics of Fluids, 2016, 28, .	4.0	14
87	A critical examination of the decoupling approximation for small-angle scattering from hard ellipsoids of revolution. Journal of Applied Crystallography, 2016, 49, 1734-1739.	4.5	22
88	Validation of constitutive modeling of shear banding, threadlike wormlike micellar fluids. Journal of Rheology, 2016, 60, 983-999.	2.6	25
89	Understanding steady and dynamic shear banding in a model wormlike micellar solution. Journal of Rheology, 2016, 60, 1001-1017.	2.6	23
90	Rheology of cubic particles suspended in a Newtonian fluid. Soft Matter, 2016, 12, 4654-4665.	2.7	32

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91	Water Nanocluster Formation in the Ionic Liquid 1-Butyl-3-methylimidazolium Tetrafluoroborate ([C₄mim][BF₄])â€“D₂O Mixtures. Langmuir, 2016, 32, 5078-5084.	3.5	41
92	Mixed Ionic/Electronic Conducting Surface Layers Adsorbed on Colloidal Silica for Flow Battery Applications. ACS Applied Materials & Interfaces, 2016, 8, 24089-24096.	8.0	8
93	Engineering enhanced cut and puncture resistance into the thermal micrometeoroid garment (TMG) using shear thickening fluid (STF)Ââ€“ÂArmorâ„¢ absorber layers. Composites Science and Technology, 2016, 131, 61-66.	7.8	47
94	Thermoreversible Gels Composed of Colloidal Silica Rods with Short-Range Attractions. Langmuir, 2016, 32, 8424-8435.	3.5	28
95	Non-ideal viscosity and excess molar volume of mixtures of 1-butyl-3-methylimidazolium tetrafluoroborate ([C 4 mim][BF 4]) with water. Journal of Molecular Liquids, 2016, 223, 678-686.	4.9	22
96	Ultrastretchable Iono-Elastomers with Mechanoelectrical Response. ACS Macro Letters, 2016, 5, 1332-1338.	4.8	20
97	Self-Assembly of Pluronic F127 Diacrylate in Ethylammonium Nitrate: Structure, Rheology, and Ionic Conductivity before and after Photo-Cross-Linking. Macromolecules, 2016, 49, 5179-5189.	4.8	23
98	The medium amplitude oscillatory shear of semidilute colloidal dispersions. Part II: Third harmonic stress contribution. Journal of Rheology, 2016, 60, 241-255.	2.6	7
99	An optimized protocol for the analysis of time-resolved elastic scattering experiments. Soft Matter, 2016, 12, 2301-2308.	2.7	23
100	Effect of Hierarchical Cluster Formation on the Viscosity of Concentrated Monoclonal Antibody Formulations Studied by Neutron Scattering. Journal of Physical Chemistry B, 2016, 120, 278-291.	2.6	94
101	Microstructure and rheology relationships for shear thickening colloidal dispersions. Journal of Fluid Mechanics, 2015, 769, 242-276.	3.4	74
102	Short-Time Glassy Dynamics in Viscous Protein Solutions with Competing Interactions. Physical Review Letters, 2015, 115, 228302.	7.8	58
103	Dynamic Bonds in Covalently Crosslinked Polymer Networks for Photoactivated Strengthening and Healing. Advanced Materials, 2015, 27, 8007-8010.	21.0	76
104	Characterization of lysozyme adsorption in cellulosic chromatographic materials using small-angle neutron scattering. Journal of Chromatography A, 2015, 1399, 45-52.	3.7	11
105	MMOD Puncture Resistance of EVA Suits with Shear Thickening Fluid (STF) â€“ Armortm Absorber Layers. Procedia Engineering, 2015, 103, 97-104.	1.2	25
106	The Use of Shear Thickening Nanocomposites in Impact Resistant Materials. Journal of Biomechanical Engineering, 2015, 137, 054504.	1.3	15
107	Layering, melting, and recrystallization of a close-packed micellar crystal under steady and large-amplitude oscillatory shear flows. Journal of Rheology, 2015, 59, 793-820.	2.6	33
108	Creating Nanoparticle Stability in Ionic Liquid [C₄mim][BF₄] by Inducing Solvation Layering. ACS Nano, 2015, 9, 3243-3253.	14.6	62

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109	Microstructure and rheology of soft to rigid shear-thickening colloidal suspensions. Journal of Rheology, 2015, 59, 1377-1395.	2.6	68
110	Local Crystalline Structure in an Amorphous Protein Dense Phase. Biophysical Journal, 2015, 109, 1716-1723.	0.5	14
111	The rheology and microstructure of branched micelles under shear. Journal of Rheology, 2015, 59, 1299-1328.	2.6	53
112	Microstructural evolution of a model, shear-banding micellar solution during shear startup and cessation. Physical Review E, 2014, 89, 042301.	2.1	37
113	Rheology of branched wormlike micelles. Current Opinion in Colloid and Interface Science, 2014, 19, 530-535.	7.4	115
114	An improved method for analyzing isothermal titration calorimetry data from oppositely charged surfactant polyelectrolyte mixtures. Journal of Chemical Thermodynamics, 2014, 68, 48-52.	2.0	25
115	The medium amplitude oscillatory shear of semi-dilute colloidal dispersions. Part I: Linear response and normal stress differences. Journal of Rheology, 2014, 58, 307-337.	2.6	25
116	Generalized phase behavior of cluster formation in colloidal dispersions with competing interactions. Soft Matter, 2014, 10, 5061-5071.	2.7	103
117	Spatiotemporal stress and structure evolution in dynamically sheared polymer-like micellar solutions. Soft Matter, 2014, 10, 2889-2898.	2.7	39
118	Triblock Copolymer Self-Assembly in Ionic Liquids: Effect of PEO Block Length on the Self-Assembly of PEOâ€“PPOâ€“PEO in Ethylammonium Nitrate. Macromolecules, 2014, 47, 7484-7495.	4.8	44
119	Material properties of the shear-thickened state in concentrated near hard-sphere colloidal dispersions. Journal of Rheology, 2014, 58, 949-967.	2.6	102
120	Short-time diffusivity of dicolloids. Physical Review E, 2014, 89, 062311.	2.1	3
121	Hydrodynamic shear thickening of particulate suspension under confinement. Journal of Non-Newtonian Fluid Mechanics, 2014, 213, 39-49.	2.4	46
122	The microstructure and rheology of a model, thixotropic nanoparticle gel under steady shear and large amplitude oscillatory shear (LAOS). Journal of Rheology, 2014, 58, 1301-1328.	2.6	80
123	Multilamellar Vesicle Formation from a Planar Lamellar Phase under Shear Flow. Langmuir, 2014, 30, 8316-8325.	3.5	37
124	Characterization of Cationic Polyelectrolytes Adsorption to an Anionic Emulsion via Zetaâ€Potential and Microcalorimetry. Journal of Surfactants and Detergents, 2014, 17, 655-667.	2.1	5
125	Spatially Resolved Concentration and Segmental Flow Alignment in a Shear-Banding Solution of Polymer-Like Micelles. ACS Macro Letters, 2014, 3, 276-280.	4.8	24
126	Shear viscosity and structural scalings in model adhesive hard-sphere gels. Physical Review E, 2014, 89, 050302.	2.1	43

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127	Observation of Small Cluster Formation in Concentrated Monoclonal Antibody Solutions and Its Implications to Solution Viscosity. Biophysical Journal, 2014, 106, 1763-1770.	0.5	146
128	Nanovesicle formation and microstructure in aqueous ditallowethylesterdimethylammonium chloride (DEEDMAC) solutions. Journal of Colloid and Interface Science, 2014, 429, 17-24.	9.4	14
129	Measuring Material Microstructure Under Flow Using 1-2 Plane Flow-Small Angle Neutron Scattering. Journal of Visualized Experiments, 2014, , e51068.	0.3	17
130	Small-Angle Neutron Scattering Characterization of Monoclonal Antibody Conformations and Interactions at High Concentrations. Biophysical Journal, 2013, 105, 720-731.	0.5	106
131	Divergence in the low shear viscosity for Brownian hard-sphere dispersions: At random close packing or the glass transition?. Journal of Rheology, 2013, 57, 1555-1567.	2.6	57
132	Influence of Surfactants on the Rheology and Stability of Crystallizing Fatty Acid Pastes. JAOCS, Journal of the American Oil Chemists' Society, 2013, 90, 273-283.	1.9	8
133	Photodirected Formation and Control of Wrinkles on a Thiolâ€“ene Elastomer. ACS Macro Letters, 2013, 2, 474-477.	4.8	43
134	Gel Transition in Adhesive Hard-Sphere Colloidal Dispersions: The Role of Gravitational Effects. Physical Review Letters, 2013, 110, 208302.	7.8	43
135	Uptake, efflux, and mass transfer coefficient of fluorescent PAMAM dendrimers into pancreatic cancer cells. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 294-301.	2.6	15
136	Two-Dimensional Directed Assembly of Dicolloids. Langmuir, 2013, 29, 75-81.	3.5	23
137	Universal Binding Behavior for Ionic Alkyl Surfactants with Oppositely Charged Polyelectrolytes. Journal of the American Chemical Society, 2013, 135, 17547-17555.	13.7	57
138	Intermediate range order and structure in colloidal dispersions with competing interactions. Journal of Chemical Physics, 2013, 139, 154904.	3.0	66
139	Dynamical arrest in adhesive hard-sphere dispersions driven by rigidity percolation. Physical Review E, 2013, 88, 060302.	2.1	51
140	Comment on "Evaluation of Shear-Thickening-Fluid Kevlar for Large-Fragment-Containment Applications". Journal of Aircraft, 2012, 49, 671-673.	2.4	4
141	Phase Behavior and Molecular Thermodynamics of Coacervation in Oppositely Charged Polyelectrolyte/Surfactant Systems: A Cationic Polymer JR 400 and Anionic Surfactant SDS Mixture. Langmuir, 2012, 28, 10348-10362.	3.5	89
142	Directed Self-Assembly of Colloidal Crystals by Dielectrophoretic Ordering. Langmuir, 2012, 28, 4123-4130.	3.5	19
143	Sponge-to-Lamellar Transition in a Double-Tail Cationic Surfactant/Protic Ionic Liquid System: Structural and Rheological Analysis. Journal of Physical Chemistry B, 2012, 116, 813-822.	2.6	27
144	Dynamics of Melting and Recrystallization in a Polymeric Micellar Crystal Subjected to Large Amplitude Oscillatory Shear Flow. Physical Review Letters, 2012, 108, 258301.	7.8	48

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145	TDNMR characterization of a model crystallizing surfactant system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 406, 13-23.	4.7	4
146	Dynamical Arrest, Percolation, Gelation, and Glass Formation in Model Nanoparticle Dispersions with Thermoreversible Adhesive Interactions. Langmuir, 2012, 28, 1866-1878.	3.5	100
147	Spontaneous Thermoreversible Formation of Cationic Vesicles in a Protic Ionic Liquid. Journal of the American Chemical Society, 2012, 134, 20728-20732.	13.7	50
148	Structural Transitions of CTAB Micelles in a Protic Ionic Liquid. Langmuir, 2012, 28, 12722-12730.	3.5	35
149	Large amplitude oscillatory shear (LAOS) measurements to obtain constitutive equation model parameters: Giesekus model of banding and nonbanding wormlike micelles. Journal of Rheology, 2012, 56, 333-351.	2.6	132
150	On the importance of thermodynamic self-consistency for calculating clusterlike pair correlations in hard-core double Yukawa fluids. Journal of Chemical Physics, 2011, 134, 064904.	3.0	32
151	Colloidal diffusion and hydrodynamic screening near boundaries. Soft Matter, 2011, 7, 6844.	2.7	35
152	Dynamical Arrest Transition in Nanoparticle Dispersions with Short-Range Interactions. Physical Review Letters, 2011, 106, 105704.	7.8	140
153	The Morphology and Composition of Cholesterol-Rich Micellar Nanostructures Determine Transmembrane Protein (GPCR) Activity. Biophysical Journal, 2011, 100, L11-L13.	0.5	39
154	Toward Rational Design of Protein Detergent Complexes: Determinants of Mixed Micelles That Are Critical for the InÂVitro Stabilization of a G-Protein Coupled Receptor. Biophysical Journal, 2011, 101, 1938-1948.	0.5	41
155	Colloidal interactions mediated by end-adsorbing polymer-like micelles. Journal of Chemical Physics, 2011, 135, 084901.	3.0	20
156	Shear-induced phase separation (SIPS) with shear banding in solutions of cationic surfactant and salt. Journal of Rheology, 2011, 55, 1375-1397.	2.6	25
157	Self-Aggregation of Mixtures of Oppositely Charged Polyelectrolytes and Surfactants Studied by Rheology, Dynamic Light Scattering and Small-Angle Neutron Scattering. Langmuir, 2011, 27, 4386-4396.	3.5	78
158	Introduction to colloid science and rheology. , 2011, , 1-35.		6
159	Hydrodynamic effects. , 2011, , 36-79.		1
160	Non-spherical particles. , 2011, , 155-179.		3
161	Thixotropy. , 2011, , 228-251.		8
162	Development of an in situ rheological method to characterize fatty acid crystallization in complex fluids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 388, 12-20.	4.7	12

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163	Solvent isotope effect on the microstructure and rheology of cationic worm-like micelles near the isotropic-nematic transition. Soft Matter, 2011, 7, 10856.	2.7	18
164	Grand canonical Monte Carlo simulation of adsorption of nitrogen and oxygen in realistic nanoporous carbon models. AICHE Journal, 2011, 57, 1496-1505.	3.6	6
165	Phenomenological modeling of the response of a dense colloidal suspension under dynamic squeezing flow. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 680-688.	2.4	14
166	Control of Rheological Behaviour with Oppositely Charged Polyelectrolyte Surfactant Mixtures. Tenside, Surfactants, Detergents, 2011, 48, 488-494.	1.2	19
167	Modeling the crystallization of proteins and small organic molecules in nanoliter drops. AICHE Journal, 2010, 56, 79-91.	3.6	8
168	Investigating the transient response of a shear thickening fluid using the split Hopkinson pressure bar technique. Rheologica Acta, 2010, 49, 879-890.	2.4	68
169	A systematic study of equilibrium structure, thermodynamics, and rheology of aqueous CTAB/NaNO3 wormlike micelles. Journal of Colloid and Interface Science, 2010, 349, 1-12.	9.4	67
170	An experimental investigation into the kinematics of a concentrated hard-sphere colloidal suspension during Hopkinson bar evaluation at high stresses. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 1342-1350.	2.4	29
171	The effect of protein structure on their controlled release from an injectable peptide hydrogel. Biomaterials, 2010, 31, 9527-9534.	11.4	157
172	Indirect Fourier Transform and Model Fitting of Small Angle Neutron Scattering from Silica Nanoparticles. Particle and Particle Systems Characterization, 2010, 27, 89-99.	2.3	4
173	Physiologically Based Pharmacokinetics of Molecular Imaging Nanoparticles for mRNA Detection Determined in Tumor-Bearing Mice. Oligonucleotides, 2010, 20, 117-125.	2.7	23
174	Direct Observation of Flow-Concentration Coupling in a Shear-Banding Fluid. Physical Review Letters, 2010, 105, 084501.	7.8	50
175	Formation and Rheology of Viscoelastic â€œDouble Networksâ€•in Wormlike Micelleâ^'Nanoparticle Mixtures. Langmuir, 2010, 26, 8049-8060.	3.5	119
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