Norman J Wagner

List of Publications by Year
in descending order

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328 papers	17,255 citations	12303 69 h-index	20900 115 g-index
339 all docs	339 docs citations	339 times ranked	11723 citing authors

#	Article	IF	Citations
1	Thixotropy. Advances in Colloid and Interface Science, 2009, 147-148, 214-227.	7.0	824
2	Shear thickening in colloidal dispersions. Physics Today, 2009, 62, 27-32.	0.3	756
3	Title is missing!. Journal of Materials Science, 2003, 38, 2825-2833.	1.7	709
4	Reversible shear thickening in monodisperse and bidisperse colloidal dispersions. Journal of Rheology, 1996, 40, 899-916.	1.3	419
5	Stab resistance of shear thickening fluid (STF)-treated fabrics. Composites Science and Technology, 2007, 67, 565-578.	3.8	362
6	The effects of particle size on reversible shear thickening of concentrated colloidal dispersions. Journal of Chemical Physics, 2001, 114, 10514-10527.	1.2	324
7	Electrosteric Stabilization of Colloidal Dispersions. Langmuir, 2002, 18, 6381-6390.	1.6	306
8	The Microstructure and Rheology of Mixed Cationic/Anionic Wormlike Micelles. Langmuir, 2003, 19, 4079-4089.	1.6	283
9	Dynamic properties of shear thickening colloidal suspensions. Rheologica Acta, 2003, 42, 199-208.	1.1	277
10	The effects of interparticle interactions and particle size on reversible shear thickening: Hard-sphere colloidal dispersions. Journal of Rheology, 2001, 45, 1205-1222.	1.3	274
11	Optical Measurement of the Contributions of Colloidal Forces to the Rheology of Concentrated Suspensions. Journal of Colloid and Interface Science, 1995, 172, 171-184.	5.0	258
12	Flow-small angle neutron scattering measurements of colloidal dispersion microstructure evolution through the shear thickening transition. Journal of Chemical Physics, 2002, 117, 10291-10302.	1.2	256
13	Macromolecular diffusion and release from self-assembled Î²-hairpin peptide hydrogels. Biomaterials, 2009, 30, 1339-1347.	5.7	212
14	The rheology and microstructure of acicular precipitated calcium carbonate colloidal suspensions through the shear thickening transition. Journal of Rheology, 2005, 49, 719-746.	1.3	166
15	Effect of Particle Hardness on the Penetration Behavior of Fabrics Intercalated with Dry Particles and Concentrated Particleâ"Fluid Suspensions. ACS Applied Materials & Interfaces, 2009, 1, 2602-2612.	4.0	161
16	The effect of protein structure on their controlled release from an injectable peptide hydrogel. Biomaterials, 2010, 31, 9527-9534.	5.7	157
17	Observation of Small Cluster Formation in Concentrated Monoclonal Antibody Solutions and Its Implications to Solution Viscosity. Biophysical Journal, 2014, 106, 1763-1770.	0.2	146
18	Dynamical Arrest Transition in Nanoparticle Dispersions with Short-Range Interactions. Physical Review Letters, 2011, 106, 105704.	2.9	140

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19	Yarn Pull-Out as a Mechanism for Dissipating Ballistic Impact Energy in KevlarÂ® KM-2 Fabric. Textile Reseach Journal, 2004, 74, 920-928.	1.1	134
20	Atomistic simulation of water and salt transport in the reverse osmosis membrane FT-30. Journal of Membrane Science, 1998, 139, 1-16.	4.1	133
21	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.	1.3	132
22	Viscosimetric, Hydrodynamic, and Conformational Properties of Dendrimers and Dendrons. Macromolecules, 2001, 34, 8580-8585.	2.2	131
23	Rheology and spatially resolved structure of cetyltrimethylammonium bromide wormlike micelles through the shear banding transition. Journal of Rheology, 2009, 53, 727-756.	1.3	127
24	Formation of AOT/Brine Multilamellar Vesicles. Langmuir, 1996, 12, 3122-3126.	1.6	120
25	Formation and Rheology of Viscoelastic â€œDouble Networksâ€•in Wormlike Micelleâ^'Nanoparticle Mixtures. Langmuir, 2010, 26, 8049-8060.	1.6	119
26	Influence of Nanoparticle Addition on the Properties of Wormlike Micellar Solutions. Langmuir, 2008, 24, 7718-7726.	1.6	117
27	Microstructure of shear-thickening concentrated suspensions determined by flow-USANS. Rheologica Acta, 2009, 48, 897-908.	1.1	116
28	Rheology of branched wormlike micelles. Current Opinion in Colloid and Interface Science, 2014, 19, 530-535.	3.4	115
29	Effects of pairwise versus many-body forces on high-stress plastic deformation. Physical Review A, 1991, 43, 2655-2661.	1.0	110
30	Agglomeration and breakage of nanoparticles in stirred media millsâ€”a comparison of different methods and models. Chemical Engineering Science, 2006, 61, 135-148.	1.9	110
31	Current trends in suspension rheology. Journal of Non-Newtonian Fluid Mechanics, 2009, 157, 147-150.	1.0	106
32	Small-Angle Neutron Scattering Characterization of Monoclonal Antibody Conformations and Interactions at High Concentrations. Biophysical Journal, 2013, 105, 720-731.	0.2	106
33	Grand canonical Brownian dynamics simulation of colloidal adsorption. Journal of Chemical Physics, 1997, 107, 9157-9167.	1.2	103
34	Generalized phase behavior of cluster formation in colloidal dispersions with competing interactions. Soft Matter, 2014, 10, 5061-5071.	1.2	103
35	Material properties of the shear-thickened state in concentrated near hard-sphere colloidal dispersions. Journal of Rheology, 2014, 58, 949-967.	1.3	102
36	Viscoelasticity and shear melting of colloidal star polymer glasses. Journal of Rheology, 2007, 51, 297-316.	1.3	101

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37	Dynamical Arrest, Percolation, Gelation, and Glass Formation in Model Nanoparticle Dispersions with Thermoreversible Adhesive Interactions. Langmuir, 2012, 28, 1866-1878.	1.6	100
38	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.	1.3	99
39	Plasmon Resonance Measurements of the Adsorption and Adsorption Kinetics of a Biopolymer onto Gold Nanocolloids. Langmuir, 2001, 17, 957-960.	1.6	98
40	Theory and kinematic measurements of the mechanics of stable electrospun polymer jets. Polymer, 2008, 49, 2924-2936.	1.8	98
41	The Effect of Rheological Parameters on the Ballistic Properties of Shear Thickening Fluid (STF)-Kevlar Composites. AIP Conference Proceedings, 2004, , .	0.3	96
42	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.	1.2	94
43	Rheology of region I flow in a lyotropic liquidâ€crystal polymer: The effects of defect texture. Journal of Rheology, 1994, 38, 1525-1547.	1.3	92
44	Rheological Properties and Small-Angle Neutron Scattering of a Shear Thickening, Nanoparticle Dispersion at High Shear Rates. Industrial & Engineering Chemistry Research, 2006, 45, 7015-7024.	1.8	92
45	One- and two-dimensional assembly of colloidal ellipsoids in ac electric fields. Physical Review E, 2009, 79, 050401.	0.8	89
46	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.	1.6	89
47	Yarn Pull-Out as a Mechanism for Dissipating Ballistic Impact Energy in KevlarÂ® KM-2 Fabric. Textile Reseach Journal, 2004, 74, 939-948.	1.1	88
48	Hydrodynamic and Colloidal Interactions in Concentrated Charge-Stabilized Polymer Dispersions. Journal of Colloid and Interface Science, 2000, 225, 166-178.	5.0	86
49	Shear-Induced Phase Separation in Solutions of Wormlike Micelles. Langmuir, 2004, 20, 3564-3573.	1.6	86
50	Relating shear banding, structure, and phase behavior in wormlike micellar solutions. Soft Matter, 2009, 5, 3858.	1.2	86
51	Molecular Dynamics Simulation of Penetrant Diffusion in Amorphous Polypropylene:Â Diffusion Mechanisms and Simulation Size Effects. Macromolecules, 1999, 32, 5017-5028.	2.2	85
52	Molecular-dynamics simulations of two-dimensional materials at high strain rates. Physical Review A, 1992, 45, 8457-8470.	1.0	82
53	Electrolyte-Induced Aggregation of Acrylic Latex. 1. Dilute Particle Concentrations. Langmuir, 2001, 17, 3136-3147.	1.6	82
54	Nonequilibrium statistical mechanics of concentrated colloidal dispersions: Hard spheres in weak flows with many-body thermodynamic interactions. Physica A: Statistical Mechanics and Its Applications, 1989, 155, 475-518.	1.2	81

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55	Viscosity, Microstructure, and Interparticle Potential of AOT/H2O/n-Decane Inverse Microemulsions. Langmuir, 1995, 11, 1559-1570.	1.6	81
56	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.	1.3	80
57	Molecular dynamics simulation study of the mechanisms of water diffusion in a hydrated, amorphous polyamide. Computational and Theoretical Polymer Science, 1999, 9, 301-306.	1.1	78
58	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.	1.6	78
59	Colloidal Stabilization by Adsorbed Gelatin. Langmuir, 2000, 16, 4100-4108.	1.6	77
60	Adsorption and Diffusion of Molecular Nitrogen in Single Wall Carbon Nanotubes. Langmuir, 2004, 20, 6268-6277.	1.6	77
61	Dynamic Bonds in Covalently Crosslinked Polymer Networks for Photoactivated Strengthening and Healing. Advanced Materials, 2015, 27, 8007-8010.	11.1	76
62	The use of a niobia-silica surface phase oxide in studying and varying metal-support interactions in supported nickel catalysts. Journal of Catalysis, 1985, 95, 260-270.	3.1	75
63	Microstructure and rheology relationships for shear thickening colloidal dispersions. Journal of Fluid Mechanics, 2015, 769, 242-276.	1.4	74
64	The rheology of highly concentrated PBLG solutions. Journal of Rheology, 1995, 39, 925-952.	1.3	73
65	Building Large Amorphous Polymer Structures:Â Atomistic Simulation of Glassy Polystyrene. Macromolecules, 1996, 29, 8497-8506.	2.2	73
66	Characterizing complex fluids with high frequency rheology using torsional resonators at multiple frequencies. Journal of Rheology, 2003, 47, 303-319.	1.3	73
67	Rheology, selfâ€diffusion, and microstructure of charged colloids under simple shear by massively parallel nonequilibrium Brownian dynamics. Journal of Chemical Physics, 1996, 104, 9234-9248.	1.2	72
68	Fast Dynamics of Semiflexible Chain Networks of Self-Assembled Peptides. Biomacromolecules, 2009, 10, 1374-1380.	2.6	72
69	The microstructure of polydisperse, charged colloidal suspensions by light and neutron scattering. Journal of Chemical Physics, 1991, 95, 494-508.	1.2	71
70	Microphase Separation of Hybrid Dendronâ^'Linear Diblock Copolymers into Ordered Structures. Macromolecules, 2002, 35, 8391-8399.	2.2	69
71	Spatially resolved small-angle neutron scattering in the 1-2 plane: A study of shear-induced phase-separating wormlike micelles. Physical Review E, 2006, 73, 020504.	0.8	69
72	Crystallization of alpha-lactose monohydrate in a drop-based microfluidic crystallizer. Chemical Engineering Science, 2007, 62, 4802-4810.	1.9	68

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73	Investigating the transient response of a shear thickening fluid using the split Hopkinson pressure bar technique. Rheologica Acta, 2010, 49, 879-890.	1.1	68
74	Microstructure and rheology of soft to rigid shear-thickening colloidal suspensions. Journal of Rheology, 2015, 59, 1377-1395.	1.3	68
75	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.	5.0	67
76	Intermediate range order and structure in colloidal dispersions with competing interactions. Journal of Chemical Physics, 2013, 139, 154904.	1.2	66
77	Ethane hydrogenolysis and carbon monoxide hydrogenation over niobia-supported nickel catalysts: A hierarchy to rank strong metal-support interaction. Journal of Catalysis, 1984, 86, 315-327.	3.1	65
78	SANS Analysis of the Molecular Order in Poly(Î³-benzyll-glutamate)/Deuterated Dimethylformamide (PBLG/d-DMF) under Shear and during Relaxation. Macromolecules, 1996, 29, 2298-2301.	2.2	63
79	Microstructure and shear rheology of entangled wormlike micelles in solution. Journal of Rheology, 2009, 53, 441-458.	1.3	63
80	Influence of medium viscosity and adsorbed polymer on the reversible shear thickening transition in concentrated colloidal dispersions. Rheologica Acta, 2005, 44, 360-371.	1.1	62
81	Creating Nanoparticle Stability in Ionic Liquid [C₄mim][BF₄] by Inducing Solvation Layering. ACS Nano, 2015, 9, 3243-3253.	7.3	62
82	The viscosity of bimodal and polydisperse suspensions of hard spheres in the dilute limit. Journal of Fluid Mechanics, 1994, 278, 267-287.	1.4	61
83	Generalized Doiâ€“Ohta model for multiphase flow developed via generic. AICHE Journal, 1999, 45, 1169-1181.	1.8	61
84	The High-Frequency Shear Modulus of Colloidal Suspensions and the Effects of Hydrodynamic Interactions. Journal of Colloid and Interface Science, 1993, 161, 169-181.	5.0	60
85	Poly(ethylene oxide) (PEO) and Poly(vinyl pyrolidone) (PVP) Induce Different Changes in the Colloid Stability of Nanoparticles. Langmuir, 2010, 26, 13823-13830.	1.6	60
86	Clustering and Percolation in Suspensions of Carbon Black. Langmuir, 2017, 33, 12260-12266.	1.6	59
87	Short-Time Glassy Dynamics in Viscous Protein Solutions with Competing Interactions. Physical Review Letters, 2015, 115, 228302.	2.9	58
88	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.	1.2	58
89	Molecular Simulation of Glassy Polystyrene:Â Size Effects on Gas Solubilities. Macromolecules, 1997, 30, 3058-3065.	2.2	57
90	Porous amorphous carbon models from periodic Gaussian chains of amorphous polymers. Carbon, 2005, 43, 3099-3111.	5.4	57

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91	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.	1.3	57
92	Universal Binding Behavior for Ionic Alkyl Surfactants with Oppositely Charged Polyelectrolytes. Journal of the American Chemical Society, 2013, 135, 17547-17555.	6.6	57
93	Investigation of blood rheology under steady and unidirectional large amplitude oscillatory shear. Journal of Rheology, 2018, 62, 577-591.	1.3	57
94	Light scattering measurements of a hardâ€sphere suspension under shear. Physics of Fluids A, Fluid Dynamics, 1990, 2, 491-502.	1.6	56
95	Recent advances in blood rheology: a review. Soft Matter, 2021, 17, 10591-10613.	1.2	54
96	Preparation, reduction, and chemisorption behavior of niobia-supported nickel catalysts. Journal of Catalysis, 1983, 84, 85-94.	3.1	53
97	Linear viscoelastic master curves of neat and laponite-filled poly(ethylene oxide)â€“water solutions. Rheologica Acta, 2006, 45, 813-824.	1.1	53
98	The rheology and microstructure of branched micelles under shear. Journal of Rheology, 2015, 59, 1299-1328.	1.3	53
99	Rheo-SANS investigation of acicular-precipitated calcium carbonate colloidal suspensions through the shear thickening transition. Journal of Rheology, 2006, 50, 685-709.	1.3	52
100	Dynamical arrest in adhesive hard-sphere dispersions driven by rigidity percolation. Physical Review E, 2013, 88, 060302.	0.8	51
101	Measurements of human blood viscoelasticity and thixotropy under steady and transient shear and constitutive modeling thereof. Journal of Rheology, 2019, 63, 799-813.	1.3	51
102	Analysis of nonequilibrium structures of shearing colloidal suspensions. Journal of Chemical Physics, 1992, 97, 1473-1483.	1.2	50
103	Direct Observation of Flow-Concentration Coupling in a Shear-Banding Fluid. Physical Review Letters, 2010, 105, 084501.	2.9	50
104	Spontaneous Thermoreversible Formation of Cationic Vesicles in a Protic Ionic Liquid. Journal of the American Chemical Society, 2012, 134, 20728-20732.	6.6	50
105	Relationship between short-time self-diffusion and high-frequency viscosity in charge-stabilized dispersions. Physical Review E, 1998, 58, R4088-R4091.	0.8	48
106	Dynamics of Melting and Recrystallization in a Polymeric Micellar Crystal Subjected to Large Amplitude Oscillatory Shear Flow. Physical Review Letters, 2012, 108, 258301.	2.9	48
107	Influence of End Groups on Dendrimer Rheology and Conformation. Macromolecules, 2003, 36, 4619-4623.	2.2	47
108	Shear thickening in polymer stabilized colloidal dispersions. Journal of Rheology, 2005, 49, 1347-1360.	1.3	47

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109	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.	3.8	47
110	Neutron scattering in the biological sciences: progress and prospects. Acta Crystallographica Section D: Structural Biology, 2018, 74, 1129-1168.	1.1	47
111	In SituAnalysis of the Defect Texture in Liquid Crystal Polymer Solutions under Shear. Macromolecules, 1997, 30, 508-514.	2.2	46
112	Colloidal Charge Determination in Concentrated Liquid Dispersions Using Torsional Resonance Oscillation. Journal of Colloid and Interface Science, 1998, 202, 430-440.	5.0	46
113	Hydrodynamic shear thickening of particulate suspension under confinement. Journal of Non-Newtonian Fluid Mechanics, 2014, 213, 39-49.	1.0	46
114	Structure and rheology of hyperbranched and dendritic polymers. I. Modification and characterization of poly(propyleneimine) dendrimers with acetyl groups. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 857-873.	2.4	44
115	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.	2.2	44
116	Photodirected Formation and Control of Wrinkles on a Thiolâ€“ene Elastomer. ACS Macro Letters, 2013, 2, 474-477.	2.3	43
117	Gel Transition in Adhesive Hard-Sphere Colloidal Dispersions: The Role of Gravitational Effects. Physical Review Letters, 2013, 110, 208302.	2.9	43
118	Shear viscosity and structural scalings in model adhesive hard-sphere gels. Physical Review E, 2014, 89, 050302.	0.8	43
119	The dichroism and birefringence of a hardâ€sphere suspension under shear. Journal of Chemical Physics, 1988, 89, 1580-1587.	1.2	42
120	Structural investigations of poly(amido amine) dendrimers in methanol using molecular dynamics. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 3062-3077.	2.4	42
121	Radiohybridization PET imaging of KRAS G12D mRNA expression in human pancreas cancer xenografts with [64Cu]DO3A-peptide nucleic acid-peptide nanoparticles. Cancer Biology and Therapy, 2007, 6, 948-956.	1.5	42
122	Structure-property relationships of sheared carbon black suspensions determined by simultaneous rheological and neutron scattering measurements. Journal of Rheology, 2019, 63, 423-436.	1.3	42
123	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.	0.2	41
124	Water Nanocluster Formation in the Ionic Liquid 1-Butyl-3-methylimidazolium Tetrafluoroborate ([C₄mim][BF₄])â€“D₂O Mixtures. Langmuir, 2016, 32, 5078-5084.	1.6	41
125	A correlation for the diameter of electrospun polymer nanofibers. AICHE Journal, 2007, 53, 51-55.	1.8	40
126	The Huggins Coefficient for the Square-Well Colloidal Fluid. Industrial & Engineering Chemistry Research, 1994, 33, 2391-2397.	1.8	39

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127	Structure and Extent of Adsorbed Gelatin on Acrylic Latex and Polystyrene Colloidal Particles. Journal of Colloid and Interface Science, 1998, 205, 131-140.	5.0	39
128	The Morphology and Composition of Cholesterol-Rich Micellar Nanostructures Determine Transmembrane Protein (GPCR) Activity. Biophysical Journal, 2011, 100, L11-L13.	0.2	39
129	Spatiotemporal stress and structure evolution in dynamically sheared polymer-like micellar solutions. Soft Matter, 2014, 10, 2889-2898.	1.2	39
130	The rheology and microstructure of an aging thermoreversible colloidal gel. Journal of Rheology, 2017, 61, 23-34.	1.3	39
131	Fast Dynamics of Wormlike Micellar Solutions. Langmuir, 2007, 23, 5267-5269.	1.6	38
132	The Role of Nanoscale Forces in Colloid Dispersion Rheology. MRS Bulletin, 2004, 29, 100-106.	1.7	37
133	Microstructural evolution of a model, shear-banding micellar solution during shear startup and cessation. Physical Review E, 2014, 89, 042301.	0.8	37
134	Multilamellar Vesicle Formation from a Planar Lamellar Phase under Shear Flow. Langmuir, 2014, 30, 8316-8325.	1.6	37
135	Formation of a Highly Ordered Colloidal Microstructure upon Flow Cessation from High Shear Rates. Physical Review Letters, 1996, 77, 2117-2120.	2.9	35
136	Influence of Polymer Motion, Topology and Simulation Size on Penetrant Diffusion in Amorphous, Glassy Polymers:Â Diffusion of Helium in Polypropylene. Macromolecules, 2001, 34, 6107-6116.	2.2	35
137	Colloidal diffusion and hydrodynamic screening near boundaries. Soft Matter, 2011, 7, 6844.	1.2	35
138	Structural Transitions of CTAB Micelles in a Protic Ionic Liquid. Langmuir, 2012, 28, 12722-12730.	1.6	35
139	Microstructure and rheology of polydisperse, charged suspensions. Journal of Chemical Physics, 1996, 104, 9249-9258.	1.2	34
140	An adaptive parallel tempering method for the dynamic dataâ€driven parameter estimation of nonlinear models. AICHE Journal, 2017, 63, 1937-1958.	1.8	34
141	Electrospinning of neat and laponite-filled aqueous poly(ethylene oxide) solutions. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 1608-1617.	2.4	33
142	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.	1.3	33
143	Structure-rheology relationship for a homogeneous colloidal gel under shear startup. Journal of Rheology, 2017, 61, 117-137.	1.3	33
144	High frequency rheology of hard sphere colloidal dispersions measured with a torsional resonator. Journal of Non-Newtonian Fluid Mechanics, 2002, 102, 149-156.	1.0	32

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145	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.	1.2	32
146	Rheology of cubic particles suspended in a Newtonian fluid. Soft Matter, 2016, 12, 4654-4665.	1.2	32
147	Microstructure of neat and SBS modified asphalt binder by small-angle neutron scattering. Fuel, 2019, 253, 1589-1596.	3.4	31
148	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.	1.6	31
149	Rheo-optics. Current Opinion in Colloid and Interface Science, 1998, 3, 391-400.	3.4	30
150	Directed self-assembly of suspensions by large amplitude oscillatory shear flow. Journal of Rheology, 2009, 53, 575-588.	1.3	30
151	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.	1.0	29
152	A constitutive equation for thixotropic suspensions with yield stress by coarseâ€graining a population balance model. AICHE Journal, 2017, 63, 517-531.	1.8	29
153	STAB RESISTANCE OF SHEAR THICKENING FLUID (STF)â€“KEVLAR COMPOSITES FOR BODY ARMOR APPLICATIONS. , 2006, , .		29
154	Rheology of non-Brownian particles suspended in concentrated colloidal dispersions at low particle Reynolds number. Journal of Rheology, 2016, 60, 47-59.	1.3	28
155	Thermoreversible Gels Composed of Colloidal Silica Rods with Short-Range Attractions. Langmuir, 2016, 32, 8424-8435.	1.6	28
156	Dynamic shear rheology and structure kinetics modeling of a thixotropic carbon black suspension. Rheologica Acta, 2017, 56, 811-824.	1.1	28
157	Fundamentals of aggregation in concentrated dispersions: Fiber-optic quasielastic light scattering and linear viscoelastic measurements. Faraday Discussions, 2003, 123, 369-383.	1.6	27
158	Temperature-Dependent Nanostructure of an End-Tethered Octadecane Brush in Tetradecane and Nanoparticle Phase Behavior. Langmuir, 2010, 26, 3003-3007.	1.6	27
159	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.	1.2	27
160	Modeling the effects of polydispersity on the viscosity of noncolloidal hard sphere suspensions. Journal of Rheology, 2016, 60, 225-240.	1.3	27
161	Iono-Elastomer-Based Wearable Strain Sensor with Real-Time Thermomechanical Dual Response. ACS Applied Materials & Interfaces, 2018, 10, 32435-32443.	4.0	27
162	Effects of ex vivo aging and storage temperature on blood viscosity. Clinical Hemorheology and Microcirculation, 2018, 70, 155-172.	0.9	27

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163	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.	1.6	27
164	The rheology and microstructure of charged colloidal suspensions. Colloid and Polymer Science, 1991, 269, 295-319.	1.0	26
165	Effect of Gravity on Colloidal Deposition Studied by Atomic Force Microscopy. Journal of Colloid and Interface Science, 2001, 240, 9-16.	5.0	26
166	E-FiRST: Electric field responsive shear thickening fluids. Rheologica Acta, 2003, 42, 287-294.	1.1	26
167	The influence of weak attractive forces on the microstructure and rheology of colloidal dispersions. Journal of Rheology, 2005, 49, 475-499.	1.3	26
168	Calorimetric Study of the Adsorption of Poly(ethylene oxide) and Poly(vinyl pyrrolidone) onto Cationic Nanoparticles. Langmuir, 2010, 26, 6262-6267.	1.6	26
169	Surface Charge of 3-(Trimethoxysilyl) Propyl Methacrylate (TPM) Coated StÃ¶ber Silica Colloids by Zeta-Phase Analysis Light Scattering and Small Angle Neutron Scattering. Langmuir, 2000, 16, 10556-10558.	1.6	25
170	Superposition rheology. Physical Review E, 2001, 63, 021406.	0.8	25
171	Shear-induced phase separation (SIPS) with shear banding in solutions of cationic surfactant and salt. Journal of Rheology, 2011, 55, 1375-1397.	1.3	25
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