

# Norman J Wagner

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2186622/publications.pdf>

Version: 2024-02-01

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	Design of PLGA-Based Drug Delivery Systems Using a Physically-Based Sustained Release Model. Journal of Pharmaceutical Sciences, 2022, 111, 345-357.	1.6	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.	1.2	21
3	Structure-property relationships and state behavior of alkali-activated aluminosilicate gels. Cement and Concrete Research, 2022, 151, 106618.	4.6	14
4	Rheological Behavior for $\beta$ -1,3-Glucan Derived from Enzymatic Polymerization of Sucrose. ACS Food Science & Technology, 2022, 2, 240-248.	1.3	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.	1.2	2
6	Aggregation Kinetics of Polysorbate 80/m-Cresol Solutions: A Small-Angle Neutron Scattering Study. Molecular Pharmaceutics, 2022, , .	2.3	2
7	Tensorial formulations for improved thixotropic viscoelastic modeling of human blood. Journal of Rheology, 2022, 66, 327-347.	1.3	15
8	Flux-based modeling of heat and mass transfer in multicomponent systems. Physics of Fluids, 2022, 34, .	1.6	2
9	A Thermodynamically Consistent, Microscopically-Based, Model of the Rheology of Aggregating Particles Suspensions. Entropy, 2022, 24, 717.	1.1	5
10	Microstructure of continuous shear thickening colloidal suspensions determined by rheo-VSANS and rheo-USANS. Soft Matter, 2022, 18, 4325-4337.	1.2	4
11	Anomalous rheological aging of a model thermoreversible colloidal gel following a thermal quench. Journal of Chemical Physics, 2022, 157, .	1.2	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.	5.0	21
13	Structural and rheological aging in model attraction-driven glasses by Rheo-SANS. Soft Matter, 2021, 17, 924-935.	1.2	5
14	Relating chemical composition, structure, and rheology in alkali-activated aluminosilicate gels. Journal of the American Ceramic Society, 2021, 104, 572-583.	1.9	7
15	A comparative study of blood rheology across species. Soft Matter, 2021, 17, 4766-4774.	1.2	12
16	Direct measurements of the microstructural origin of shear-thinning in carbon black suspensions. Journal of Rheology, 2021, 65, 145.	1.3	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, .	1.6	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.	1.2	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.	1.2	3
27	Nanocrystalline protein domains via salting-out. Acta Crystallographica Section F, Structural Biology Communications, 2021, 77, 412-419.	0.4	1
28	Preservative Induced Polysorbate 80 Micelle Aggregation. Journal of Pharmaceutical Sciences, 2021, 110, 2395-2404.	1.6	5
29	Recent advances in blood rheology: a review. Soft Matter, 2021, 17, 10591-10613.	1.2	54
30	Dynamic arrest of adhesive hard rod dispersions. Soft Matter, 2020, 16, 1279-1286.	1.2	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.	1.6	31
32	Surface Chemical Functionalization of Wrinkled Thiolâ€Ene Elastomers for Promoting Cellular Alignment. ACS Applied Bio Materials, 2020, 3, 3731-3740.	2.3	5
33	Application of population balance-based thixotropic model to human blood. Journal of Non-Newtonian Fluid Mechanics, 2020, 281, 104294.	1.0	13
34	Experimental test of a frictional contact model for shear thickening in concentrated colloidal suspensions. Journal of Rheology, 2020, 64, 267-282.	1.3	23
35	One-step, in situ jamming point measurements by immobilization cell rheometry. Rheologica Acta, 2020, 59, 209-225.	1.1	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.	1.6	27

#	ARTICLE	IF	CITATIONS
37	Molecular engineering of thixotropic, sprayable fluids with yield stress using associating polysaccharides. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 264-274.	5.0	8
38	Measurements of human blood viscoelasticity and thixotropy under steady and transient shear and constitutive modeling thereof. <i>Journal of Rheology</i> , 2019, 63, 799-813.	1.3	51
39	Data-Driven Development of Predictive Models for Sustained Drug Release. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 3582-3591.	1.6	4
40	Microstructure of neat and SBS modified asphalt binder by small-angle neutron scattering. <i>Fuel</i> , 2019, 253, 1589-1596.	3.4	31
41	Waiting-time distributions of particle entrapments in clustered states generated by short-range attractive, long-range repulsive (SALR) interactions. <i>Europhysics Letters</i> , 2019, 126, 38002.	0.7	0
42	Structure-property relationships of sheared carbon black suspensions determined by simultaneous rheological and neutron scattering measurements. <i>Journal of Rheology</i> , 2019, 63, 423-436.	1.3	42
43	On the macroscopic modeling of the rheology and Ostwald ripening of dilute stabilized emulsions. <i>Physics of Fluids</i> , 2019, 31, 021206.	1.6	4
44	In Situ Characterization of the Microstructural Evolution of Biopharmaceutical Solid-State Formulations with Implications for Protein Stability. <i>Molecular Pharmaceutics</i> , 2019, 16, 173-183.	2.3	8
45	Investigation of blood rheology under steady and unidirectional large amplitude oscillatory shear. <i>Journal of Rheology</i> , 2018, 62, 577-591.	1.3	57
46	On the macroscopic modeling of dilute emulsions under flow in the presence of particle inertia. <i>Physics of Fluids</i> , 2018, 30, .	1.6	7
47	Short-time dynamics of lysozyme solutions with competing short-range attraction and long-range repulsion: Experiment and theory. <i>Journal of Chemical Physics</i> , 2018, 148, 065101.	1.2	25
48	Comicellization of Binary PEOâ€‘PPOâ€‘PEO Triblock Copolymer Mixtures in Ethylammonium Nitrate. <i>Macromolecules</i> , 2018, 51, 1453-1461.	2.2	5
49	Effects of Resin Architecture and Protein Size on Nanoscale Protein Distribution in Ion-Exchange Media. <i>Langmuir</i> , 2018, 34, 673-684.	1.6	13
50	Rapid and controlled photo-induced thiolâ€‘ene wrinkle formation via flowcoating. <i>Materials Horizons</i> , 2018, 5, 514-520.	6.4	3
51	Dynamic properties of different liquid states in systems with competing interactions studied with lysozyme solutions. <i>Soft Matter</i> , 2018, 14, 8570-8579.	1.2	12
52	Ultra-Stretchable Conductive Iono-Elastomer And Motion Strain Sensor System Developed Therefrom. <i>Technology and Innovation</i> , 2018, 19, 613-626.	0.2	9
53	Normal lubrication force between spherical particles immersed in a shear-thickening fluid. <i>Physics of Fluids</i> , 2018, 30, 123102.	1.6	11
54	Neutron scattering in the biological sciences: progress and prospects. <i>Acta Crystallographica Section D: Structural Biology</i> , 2018, 74, 1129-1168.	1.1	47

#	ARTICLE	IF	CITATIONS
55	Iono-Elastomer-Based Wearable Strain Sensor with Real-Time Thermomechanical Dual Response. ACS Applied Materials & Interfaces, 2018, 10, 32435-32443.	4.0	27
56	Effects of ex vivo aging and storage temperature on blood viscosity. Clinical Hemorheology and Microcirculation, 2018, 70, 155-172.	0.9	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.	2.5	22
58	Branching and alignment in reverse worm-like micelles studied with simultaneous dielectric spectroscopy and RheoSANS. Soft Matter, 2018, 14, 5344-5355.	1.2	13
59	Detecting Branching in Wormlike Micelles via Dynamic Scattering Methods. ACS Macro Letters, 2018, 7, 614-618.	2.3	20
60	Nonlinear rheological behavior of bitumen under LAOS stress. Journal of Rheology, 2018, 62, 975-989.	1.3	21
61	Mechanisms of precipitate formation during the purification of an Fc-fusion protein. Biotechnology and Bioengineering, 2018, 115, 2489-2503.	1.7	3
62	Characterization of Protein Excipient Microheterogeneity in Biopharmaceutical Solid-State Formulations by Confocal Fluorescence Microscopy. Molecular Pharmaceutics, 2017, 14, 546-553.	2.3	12
63	A constitutive equation for thixotropic suspensions with yield stress by coarse-graining a population balance model. AIChE Journal, 2017, 63, 517-531.	1.8	29
64	Synthetic control of the size, shape, and polydispersity of anisotropic silica colloids. Journal of Colloid and Interface Science, 2017, 501, 45-53.	5.0	25
65	Thermal rheology and microstructure of shear thickening suspensions of silica nanoparticles dispersed in the ionic liquid [C <sub>4</sub> mim][BF <sub>4</sub> ]. Journal of Rheology, 2017, 61, 525-535.	1.3	19
66	Editorial Overview: Nanotechnology. Current Opinion in Chemical Engineering, 2017, 16, i-ii.	3.8	0
67	Experimental investigation of the dielectric properties of soil under hydraulic loading. Measurement Science and Technology, 2017, 28, 044001.	1.4	7
68	Structure-rheology relationship for a homogeneous colloidal gel under shear startup. Journal of Rheology, 2017, 61, 117-137.	1.3	33
69	The rheology and microstructure of an aging thermoreversible colloidal gel. Journal of Rheology, 2017, 61, 23-34.	1.3	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.	0.6	16
71	Planar channel flow of a discontinuous shear-thickening model fluid: Theory and simulation. Physics of Fluids, 2017, 29, .	1.6	15
72	Clustering and Percolation in Suspensions of Carbon Black. Langmuir, 2017, 33, 12260-12266.	1.6	59

#	ARTICLE	IF	CITATIONS
73	Force-induced cleavage of a labile bond for enhanced mechanochemical crosslinking. <i>Polymer Chemistry</i> , 2017, 8, 6485-6489.	1.9	18
74	Self-Assembly of Block Copolymers in Ionic Liquids. <i>ACS Symposium Series</i> , 2017, , 83-142.	0.5	5
75	Dynamic shear rheology and structure kinetics modeling of a thixotropic carbon black suspension. <i>Rheologica Acta</i> , 2017, 56, 811-824.	1.1	28
76	On the macroscopic modelling of dilute emulsions under flow. <i>Journal of Fluid Mechanics</i> , 2017, 831, 433-473.	1.4	17
77	An experimental study of multimodal glass suspension rheology to test and validate a polydisperse suspension viscosity model. <i>Rheologica Acta</i> , 2017, 56, 995-1006.	1.1	4
78	Dielectric RheoSANS &#8212; Simultaneous Interrogation of Impedance, Rheology and Small Angle Neutron Scattering of Complex Fluids. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	9
79	An adaptive parallel tempering method for the dynamic data-driven parameter estimation of nonlinear models. <i>AIChE Journal</i> , 2017, 63, 1937-1958.	1.8	34
80	Dynamic infrared sample controlled (DISCO) temperature for the tumbler cells for ultra small angle neutron scattering (USANS). <i>Journal of Neutron Research</i> , 2017, 19, 23-26.	0.4	6
81	Instrumentation and measurement strategy for the NOAA SENEX aircraft campaign as part of the Southeast Atmosphere Study 2013. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3063-3093.	1.2	58
82	The 8th American Conference on Neutron Scattering. <i>Neutron News</i> , 2016, 27, 4-10.	0.1	0
83	Modeling the effects of polydispersity on the viscosity of noncolloidal hard sphere suspensions. <i>Journal of Rheology</i> , 2016, 60, 225-240.	1.3	27
84	Rheology of non-Brownian particles suspended in concentrated colloidal dispersions at low particle Reynolds number. <i>Journal of Rheology</i> , 2016, 60, 47-59.	1.3	28
85	Dynamic shear rheology of a thixotropic suspension: Comparison of an improved structure-based model with large amplitude oscillatory shear experiments. <i>Journal of Rheology</i> , 2016, 60, 433-450.	1.3	99
86	Modeling the viscosity of polydisperse suspensions: Improvements in prediction of limiting behavior. <i>Physics of Fluids</i> , 2016, 28, .	1.6	14
87	A critical examination of the decoupling approximation for small-angle scattering from hard ellipsoids of revolution. <i>Journal of Applied Crystallography</i> , 2016, 49, 1734-1739.	1.9	22
88	Validation of constitutive modeling of shear banding, threadlike wormlike micellar fluids. <i>Journal of Rheology</i> , 2016, 60, 983-999.	1.3	25
89	Understanding steady and dynamic shear banding in a model wormlike micellar solution. <i>Journal of Rheology</i> , 2016, 60, 1001-1017.	1.3	23
90	Rheology of cubic particles suspended in a Newtonian fluid. <i>Soft Matter</i> , 2016, 12, 4654-4665.	1.2	32

#	ARTICLE	IF	CITATIONS
91	Water Nanocluster Formation in the Ionic Liquid 1-Butyl-3-methylimidazolium Tetrafluoroborate ([C <sub>4</sub> mim][BF <sub>4</sub> ])â€œD <sub>2</sub> O Mixtures. Langmuir, 2016, 32, 5078-5084.	1.6	41
92	Mixed Ionic/Electronic Conducting Surface Layers Adsorbed on Colloidal Silica for Flow Battery Applications. ACS Applied Materials & Interfaces, 2016, 8, 24089-24096.	4.0	8
93	Engineering enhanced cut and puncture resistance into the thermal micrometeoroid garment (TMC) using shear thickening fluid (STF)â€œArmorâ„¢ absorber layers. Composites Science and Technology, 2016, 131, 61-66.	3.8	47
94	Thermoreversible Gels Composed of Colloidal Silica Rods with Short-Range Attractions. Langmuir, 2016, 32, 8424-8435.	1.6	28
95	Non-ideal viscosity and excess molar volume of mixtures of 1-butyl-3-methylimidazolium tetrafluoroborate ([C <sub>4</sub> mim][BF <sub>4</sub> ]) with water. Journal of Molecular Liquids, 2016, 223, 678-686.	2.3	22
96	Ultrastretchable Iono-Elastomers with Mechanoelectrical Response. ACS Macro Letters, 2016, 5, 1332-1338.	2.3	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.	2.2	23
98	The medium amplitude oscillatory shear of semidilute colloidal dispersions. Part II: Third harmonic stress contribution. Journal of Rheology, 2016, 60, 241-255.	1.3	7
99	An optimized protocol for the analysis of time-resolved elastic scattering experiments. Soft Matter, 2016, 12, 2301-2308.	1.2	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.	1.2	94
101	Microstructure and rheology relationships for shear thickening colloidal dispersions. Journal of Fluid Mechanics, 2015, 769, 242-276.	1.4	74
102	Short-Time Glassy Dynamics in Viscous Protein Solutions with Competing Interactions. Physical Review Letters, 2015, 115, 228302.	2.9	58
103	Dynamic Bonds in Covalently Crosslinked Polymer Networks for Photoactivated Strengthening and Healing. Advanced Materials, 2015, 27, 8007-8010.	11.1	76
104	Characterization of lysozyme adsorption in cellulosic chromatographic materials using small-angle neutron scattering. Journal of Chromatography A, 2015, 1399, 45-52.	1.8	11
105	MMOD Puncture Resistance of EVA Suits with Shear Thickening Fluid (STF) â€œ 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.	0.6	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.	1.3	33
108	Creating Nanoparticle Stability in Ionic Liquid [C <sub>4</sub> mim][BF <sub>4</sub> ] by Inducing Solvation Layering. ACS Nano, 2015, 9, 3243-3253.	7.3	62

#	ARTICLE	IF	CITATIONS
109	Microstructure and rheology of soft to rigid shear-thickening colloidal suspensions. <i>Journal of Rheology</i> , 2015, 59, 1377-1395.	1.3	68
110	Local Crystalline Structure in an Amorphous Protein Dense Phase. <i>Biophysical Journal</i> , 2015, 109, 1716-1723.	0.2	14
111	The rheology and microstructure of branched micelles under shear. <i>Journal of Rheology</i> , 2015, 59, 1299-1328.	1.3	53
112	Microstructural evolution of a model, shear-banding micellar solution during shear startup and cessation. <i>Physical Review E</i> , 2014, 89, 042301.	0.8	37
113	Rheology of branched wormlike micelles. <i>Current Opinion in Colloid and Interface Science</i> , 2014, 19, 530-535.	3.4	115
114	An improved method for analyzing isothermal titration calorimetry data from oppositely charged surfactant polyelectrolyte mixtures. <i>Journal of Chemical Thermodynamics</i> , 2014, 68, 48-52.	1.0	25
115	The medium amplitude oscillatory shear of semi-dilute colloidal dispersions. Part I: Linear response and normal stress differences. <i>Journal of Rheology</i> , 2014, 58, 307-337.	1.3	25
116	Generalized phase behavior of cluster formation in colloidal dispersions with competing interactions. <i>Soft Matter</i> , 2014, 10, 5061-5071.	1.2	103
117	Spatiotemporal stress and structure evolution in dynamically sheared polymer-like micellar solutions. <i>Soft Matter</i> , 2014, 10, 2889-2898.	1.2	39
118	Triblock Copolymer Self-Assembly in Ionic Liquids: Effect of PEO Block Length on the Self-Assembly of PEO- <i>b</i> -PPO- <i>b</i> -PEO in Ethylammonium Nitrate. <i>Macromolecules</i> , 2014, 47, 7484-7495.	2.2	44
119	Material properties of the shear-thickened state in concentrated near hard-sphere colloidal dispersions. <i>Journal of Rheology</i> , 2014, 58, 949-967.	1.3	102
120	Short-time diffusivity of dicolloids. <i>Physical Review E</i> , 2014, 89, 062311.	0.8	3
121	Hydrodynamic shear thickening of particulate suspension under confinement. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2014, 213, 39-49.	1.0	46
122	The microstructure and rheology of a model, thixotropic nanoparticle gel under steady shear and large amplitude oscillatory shear (LAOS). <i>Journal of Rheology</i> , 2014, 58, 1301-1328.	1.3	80
123	Multilamellar Vesicle Formation from a Planar Lamellar Phase under Shear Flow. <i>Langmuir</i> , 2014, 30, 8316-8325.	1.6	37
124	Characterization of Cationic Polyelectrolytes Adsorption to an Anionic Emulsion via Zeta-Potential and Microcalorimetry. <i>Journal of Surfactants and Detergents</i> , 2014, 17, 655-667.	1.0	5
125	Spatially Resolved Concentration and Segmental Flow Alignment in a Shear-Banding Solution of Polymer-Like Micelles. <i>ACS Macro Letters</i> , 2014, 3, 276-280.	2.3	24
126	Shear viscosity and structural scalings in model adhesive hard-sphere gels. <i>Physical Review E</i> , 2014, 89, 050302.	0.8	43



#	ARTICLE	IF	CITATIONS
127	Observation of Small Cluster Formation in Concentrated Monoclonal Antibody Solutions and Its Implications to Solution Viscosity. <i>Biophysical Journal</i> , 2014, 106, 1763-1770.	0.2	146
128	Nanovesicle formation and microstructure in aqueous ditallowethylesterdimethylammonium chloride (DEEDMAC) solutions. <i>Journal of Colloid and Interface Science</i> , 2014, 429, 17-24.	5.0	14
129	Measuring Material Microstructure Under Flow Using 1-2 Plane Flow-Small Angle Neutron Scattering. <i>Journal of Visualized Experiments</i> , 2014, , e51068.	0.2	17
130	Small-Angle Neutron Scattering Characterization of Monoclonal Antibody Conformations and Interactions at High Concentrations. <i>Biophysical Journal</i> , 2013, 105, 720-731.	0.2	106
131	Divergence in the low shear viscosity for Brownian hard-sphere dispersions: At random close packing or the glass transition?. <i>Journal of Rheology</i> , 2013, 57, 1555-1567.	1.3	57
132	Influence of Surfactants on the Rheology and Stability of Crystallizing Fatty Acid Pastes. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2013, 90, 273-283.	0.8	8
133	Photodirected Formation and Control of Wrinkles on a Thiol-ene Elastomer. <i>ACS Macro Letters</i> , 2013, 2, 474-477.	2.3	43
134	Gel Transition in Adhesive Hard-Sphere Colloidal Dispersions: The Role of Gravitational Effects. <i>Physical Review Letters</i> , 2013, 110, 208302.	2.9	43
135	Uptake, efflux, and mass transfer coefficient of fluorescent PAMAM dendrimers into pancreatic cancer cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 294-301.	1.4	15
136	Two-Dimensional Directed Assembly of Dicolloids. <i>Langmuir</i> , 2013, 29, 75-81.	1.6	23
137	Universal Binding Behavior for Ionic Alkyl Surfactants with Oppositely Charged Polyelectrolytes. <i>Journal of the American Chemical Society</i> , 2013, 135, 17547-17555.	6.6	57
138	Intermediate range order and structure in colloidal dispersions with competing interactions. <i>Journal of Chemical Physics</i> , 2013, 139, 154904.	1.2	66
139	Dynamical arrest in adhesive hard-sphere dispersions driven by rigidity percolation. <i>Physical Review E</i> , 2013, 88, 060302.	0.8	51
140	Comment on "Evaluation of Shear-Thickening-Fluid Kevlar for Large-Fragment-Containment Applications". <i>Journal of Aircraft</i> , 2012, 49, 671-673.	1.7	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. <i>Langmuir</i> , 2012, 28, 10348-10362.	1.6	89
142	Directed Self-Assembly of Colloidal Crystals by Dielectrophoretic Ordering. <i>Langmuir</i> , 2012, 28, 4123-4130.	1.6	19
143	Sponge-to-Lamellar Transition in a Double-Tail Cationic Surfactant/Protic Ionic Liquid System: Structural and Rheological Analysis. <i>Journal of Physical Chemistry B</i> , 2012, 116, 813-822.	1.2	27
144	Dynamics of Melting and Recrystallization in a Polymeric Micellar Crystal Subjected to Large Amplitude Oscillatory Shear Flow. <i>Physical Review Letters</i> , 2012, 108, 258301.	2.9	48

#	ARTICLE	IF	CITATIONS
145	TDNMR characterization of a model crystallizing surfactant system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 406, 13-23.	2.3	4
146	Dynamical Arrest, Percolation, Gelation, and Glass Formation in Model Nanoparticle Dispersions with Thermoreversible Adhesive Interactions. <i>Langmuir</i> , 2012, 28, 1866-1878.	1.6	100
147	Spontaneous Thermoreversible Formation of Cationic Vesicles in a Protic Ionic Liquid. <i>Journal of the American Chemical Society</i> , 2012, 134, 20728-20732.	6.6	50
148	Structural Transitions of CTAB Micelles in a Protic Ionic Liquid. <i>Langmuir</i> , 2012, 28, 12722-12730.	1.6	35
149	Large amplitude oscillatory shear (LAOS) measurements to obtain constitutive equation model parameters: Giesekus model of banding and nonbanding wormlike micelles. <i>Journal of Rheology</i> , 2012, 56, 333-351.	1.3	132
150	On the importance of thermodynamic self-consistency for calculating clusterlike pair correlations in hard-core double Yukawa fluids. <i>Journal of Chemical Physics</i> , 2011, 134, 064904.	1.2	32
151	Colloidal diffusion and hydrodynamic screening near boundaries. <i>Soft Matter</i> , 2011, 7, 6844.	1.2	35
152	Dynamical Arrest Transition in Nanoparticle Dispersions with Short-Range Interactions. <i>Physical Review Letters</i> , 2011, 106, 105704.	2.9	140
153	The Morphology and Composition of Cholesterol-Rich Micellar Nanostructures Determine Transmembrane Protein (GPCR) Activity. <i>Biophysical Journal</i> , 2011, 100, L11-L13.	0.2	39
154	Toward Rational Design of Protein Detergent Complexes: Determinants of Mixed Micelles That Are Critical for the In Vitro Stabilization of a G-Protein Coupled Receptor. <i>Biophysical Journal</i> , 2011, 101, 1938-1948.	0.2	41
155	Colloidal interactions mediated by end-adsorbing polymer-like micelles. <i>Journal of Chemical Physics</i> , 2011, 135, 084901.	1.2	20
156	Shear-induced phase separation (SIPS) with shear banding in solutions of cationic surfactant and salt. <i>Journal of Rheology</i> , 2011, 55, 1375-1397.	1.3	25
157	Self-Aggregation of Mixtures of Oppositely Charged Polyelectrolytes and Surfactants Studied by Rheology, Dynamic Light Scattering and Small-Angle Neutron Scattering. <i>Langmuir</i> , 2011, 27, 4386-4396.	1.6	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. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 388, 12-20.	2.3	12

#	ARTICLE	IF	CITATIONS
163	Solvent isotope effect on the microstructure and rheology of cationic worm-like micelles near the isotropic-nematic transition. <i>Soft Matter</i> , 2011, 7, 10856.	1.2	18
164	Grand canonical Monte Carlo simulation of adsorption of nitrogen and oxygen in realistic nanoporous carbon models. <i>AIChE Journal</i> , 2011, 57, 1496-1505.	1.8	6
165	Phenomenological modeling of the response of a dense colloidal suspension under dynamic squeezing flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011, 166, 680-688.	1.0	14
166	Control of Rheological Behaviour with Oppositely Charged Polyelectrolyte Surfactant Mixtures. <i>Tenside, Surfactants, Detergents</i> , 2011, 48, 488-494.	0.5	19
167	Modeling the crystallization of proteins and small organic molecules in nanoliter drops. <i>AIChE Journal</i> , 2010, 56, 79-91.	1.8	8
168	Investigating the transient response of a shear thickening fluid using the split Hopkinson pressure bar technique. <i>Rheologica Acta</i> , 2010, 49, 879-890.	1.1	68
169	A systematic study of equilibrium structure, thermodynamics, and rheology of aqueous CTAB/NaNO <sub>3</sub> wormlike micelles. <i>Journal of Colloid and Interface Science</i> , 2010, 349, 1-12.	5.0	67
170	An experimental investigation into the kinematics of a concentrated hard-sphere colloidal suspension during Hopkinson bar evaluation at high stresses. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010, 165, 1342-1350.	1.0	29
171	The effect of protein structure on their controlled release from an injectable peptide hydrogel. <i>Biomaterials</i> , 2010, 31, 9527-9534.	5.7	157
172	Indirect Fourier Transform and Model Fitting of Small Angle Neutron Scattering from Silica Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2010, 27, 89-99.	1.2	4
173	Physiologically Based Pharmacokinetics of Molecular Imaging Nanoparticles for mRNA Detection Determined in Tumor-Bearing Mice. <i>Oligonucleotides</i> , 2010, 20, 117-125.	2.7	23
174	Direct Observation of Flow-Concentration Coupling in a Shear-Banding Fluid. <i>Physical Review Letters</i> , 2010, 105, 084501.	2.9	50
175	Formation and Rheology of Viscoelastic "Double Networks" in Wormlike Micelle Nanoparticle Mixtures. <i>Langmuir</i> , 2010, 26, 8049-8060.	1.6	119
176	Calorimetric Study of the Adsorption of Poly(ethylene oxide) and Poly(vinyl pyrrolidone) onto Cationic Nanoparticles. <i>Langmuir</i> , 2010, 26, 6262-6267.	1.6	26
177	Poly(ethylene oxide) (PEO) and Poly(vinyl pyrrolidone) (PVP) Induce Different Changes in the Colloid Stability of Nanoparticles. <i>Langmuir</i> , 2010, 26, 13823-13830.	1.6	60
178	Temperature-Dependent Nanostructure of an End-Tethered Octadecane Brush in Tetradecane and Nanoparticle Phase Behavior. <i>Langmuir</i> , 2010, 26, 3003-3007.	1.6	27
179	Directed self-assembly of colloidal crystals by dielectrophoretic ordering observed with small angle neutron scattering (SANS). <i>Soft Matter</i> , 2010, 6, 5443.	1.2	19
180	Microstructure of shear-thickening concentrated suspensions determined by flow-USANS. <i>Rheologica Acta</i> , 2009, 48, 897-908.	1.1	116

#	ARTICLE	IF	CITATIONS
181	The future of suspension rheophysics: comments on the 2008 workshop. <i>Rheologica Acta</i> , 2009, 48, 827-829.	1.1	6
182	EFFECTS OF INTERMOLECULAR INTERACTIONS AND MOLECULAR ORIENTATION ON THE FLUX BEHAVIOR OF XANTHAN GUM SOLUTIONS DURING ULTRAFILTRATION. <i>Journal of Food Process Engineering</i> , 2009, 32, 623-644.	1.5	6
183	Macromolecular diffusion and release from self-assembled $\beta$ -hairpin peptide hydrogels. <i>Biomaterials</i> , 2009, 30, 1339-1347.	5.7	212
184	Current trends in suspension rheology. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 157, 147-150.	1.0	106
185	Thixotropy. <i>Advances in Colloid and Interface Science</i> , 2009, 147-148, 214-227.	7.0	824
186	One- and two-dimensional assembly of colloidal ellipsoids in ac electric fields. <i>Physical Review E</i> , 2009, 79, 050401.	0.8	89
187	Relating shear banding, structure, and phase behavior in wormlike micellar solutions. <i>Soft Matter</i> , 2009, 5, 3858.	1.2	86
188	Effect of Particle Hardness on the Penetration Behavior of Fabrics Intercalated with Dry Particles and Concentrated Particle Fluid Suspensions. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 2602-2612.	4.0	161
189	Directed self-assembly of suspensions by large amplitude oscillatory shear flow. <i>Journal of Rheology</i> , 2009, 53, 575-588.	1.3	30
190	Fast Dynamics of Semiflexible Chain Networks of Self-Assembled Peptides. <i>Biomacromolecules</i> , 2009, 10, 1374-1380.	2.6	72
191	Microstructure and shear rheology of entangled wormlike micelles in solution. <i>Journal of Rheology</i> , 2009, 53, 441-458.	1.3	63
192	Rheology and spatially resolved structure of cetyltrimethylammonium bromide wormlike micelles through the shear banding transition. <i>Journal of Rheology</i> , 2009, 53, 727-756.	1.3	127
193	Shear thickening in colloidal dispersions. <i>Physics Today</i> , 2009, 62, 27-32.	0.3	756
194	Design of (Gd <sup>3+</sup> /DTPA) <sub>n</sub> -polydiamidopropanoyl-peptide nucleic acid (Cys-Ser-Lys-Cys) magnetic resonance contrast agents. <i>Biopolymers</i> , 2008, 89, 1061-1076.	1.2	18
195	Theory and kinematic measurements of the mechanics of stable electrospun polymer jets. <i>Polymer</i> , 2008, 49, 2924-2936.	1.8	98
196	Spatially-resolved microstructure in shear banding wormlike micellar solutions. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	0
197	Effects of Particle Hardness on Shear Thickening Colloidal Suspension Rheology. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	7
198	Influence of Nanoparticle Addition on the Properties of Wormlike Micellar Solutions. <i>Langmuir</i> , 2008, 24, 7718-7726.	1.6	117

#	ARTICLE	IF	CITATIONS
199	Radiohybridization PET imaging of KRAS G12D mRNA expression in human pancreas cancer xenografts with [64Cu]DO3A-peptide nucleic acid-peptide nanoparticles. <i>Cancer Biology and Therapy</i> , 2007, 6, 948-956.	1.5	42
200	Viscoelasticity and shear melting of colloidal star polymer glasses. <i>Journal of Rheology</i> , 2007, 51, 297-316.	1.3	101
201	Fast Dynamics of Wormlike Micellar Solutions. <i>Langmuir</i> , 2007, 23, 5267-5269.	1.6	38
202	A correlation for the diameter of electrospun polymer nanofibers. <i>AIChE Journal</i> , 2007, 53, 51-55.	1.8	40
203	Poly(propylene imine) dendrimers as plasticizers for polyvinyl chloride. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 1970-1975.	2.4	10
204	Crystallization of alpha-lactose monohydrate in a drop-based microfluidic crystallizer. <i>Chemical Engineering Science</i> , 2007, 62, 4802-4810.	1.9	68
205	Stab resistance of shear thickening fluid (STF)-treated fabrics. <i>Composites Science and Technology</i> , 2007, 67, 565-578.	3.8	362
206	Rheo-SANS investigation of acicular-precipitated calcium carbonate colloidal suspensions through the shear thickening transition. <i>Journal of Rheology</i> , 2006, 50, 685-709.	1.3	52
207	Rheological Properties and Small-Angle Neutron Scattering of a Shear Thickening, Nanoparticle Dispersion at High Shear Rates. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 7015-7024.	1.8	92
208	Electrospinning of neat and laponite-filled aqueous poly(ethylene oxide) solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 1608-1617.	2.4	33
209	Structural investigations of poly(amido amine) dendrimers in methanol using molecular dynamics. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 3062-3077.	2.4	42
210	Agglomeration and breakage of nanoparticles in stirred media mills—a comparison of different methods and models. <i>Chemical Engineering Science</i> , 2006, 61, 135-148.	1.9	110
211	Linear viscoelastic master curves of neat and laponite-filled poly(ethylene oxide) water solutions. <i>Rheologica Acta</i> , 2006, 45, 813-824.	1.1	53
212	Spatially resolved small-angle neutron scattering in the 1-2 plane: A study of shear-induced phase-separating wormlike micelles. <i>Physical Review E</i> , 2006, 73, 020504.	0.8	69
213	STAB RESISTANCE OF SHEAR THICKENING FLUID (STF) KEVLAR COMPOSITES FOR BODY ARMOR APPLICATIONS. , 2006, , .		29
214	Porous amorphous carbon models from periodic Gaussian chains of amorphous polymers. <i>Carbon</i> , 2005, 43, 3099-3111.	5.4	57
215	Influence of medium viscosity and adsorbed polymer on the reversible shear thickening transition in concentrated colloidal dispersions. <i>Rheologica Acta</i> , 2005, 44, 360-371.	1.1	62
216	The rheology and microstructure of acicular precipitated calcium carbonate colloidal suspensions through the shear thickening transition. <i>Journal of Rheology</i> , 2005, 49, 719-746.	1.3	166

#	ARTICLE	IF	CITATIONS
217	The influence of weak attractive forces on the microstructure and rheology of colloidal dispersions. <i>Journal of Rheology</i> , 2005, 49, 475-499.	1.3	26
218	Letter to the editor: Comment on "Effect of attractions on shear thickening in dense suspensions" [J. Rheology 48, 1321 (2004)]. <i>Journal of Rheology</i> , 2005, 49, 799-803.	1.3	8
219	Shear thickening in polymer stabilized colloidal dispersions. <i>Journal of Rheology</i> , 2005, 49, 1347-1360.	1.3	47
220	Yarn Pull-Out as a Mechanism for Dissipating Ballistic Impact Energy in Kevlar® KM-2 Fabric. <i>Textile Reseach Journal</i> , 2004, 74, 939-948.	1.1	88
221	The Role of Nanoscale Forces in Colloid Dispersion Rheology. <i>MRS Bulletin</i> , 2004, 29, 100-106.	1.7	37
222	The Effect of Rheological Parameters on the Ballistic Properties of Shear Thickening Fluid (STF)-Kevlar Composites. <i>AIP Conference Proceedings</i> , 2004, , .	0.3	96
223	The shear viscosity of polyampholyte (gelatin) stabilized colloidal dispersions. <i>Journal of Colloid and Interface Science</i> , 2004, 280, 264-275.	5.0	16
224	Yarn Pull-Out as a Mechanism for Dissipating Ballistic Impact Energy in Kevlar® KM-2 Fabric. <i>Textile Reseach Journal</i> , 2004, 74, 920-928.	1.1	134
225	Shear-Induced Phase Separation in Solutions of Wormlike Micelles. <i>Langmuir</i> , 2004, 20, 3564-3573.	1.6	86
226	Adsorption and Diffusion of Molecular Nitrogen in Single Wall Carbon Nanotubes. <i>Langmuir</i> , 2004, 20, 6268-6277.	1.6	77
227	A Monte Carlo simulation study of the effect of carbon topology on nitrogen adsorption on graphite, a nanotube bundle, C60 fullerite, C168 schwarzite, and a nanoporous carbon. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4440.	1.3	22
228	Title is missing!. <i>Journal of Materials Science</i> , 2003, 38, 2825-2833.	1.7	709
229	E-FIRST: Electric field responsive shear thickening fluids. <i>Rheologica Acta</i> , 2003, 42, 287-294.	1.1	26
230	Dynamic properties of shear thickening colloidal suspensions. <i>Rheologica Acta</i> , 2003, 42, 199-208.	1.1	277
231	Heteroflocculation of binary latex dispersions of similar chemistry but varying size. <i>Journal of Colloid and Interface Science</i> , 2003, 268, 380-393.	5.0	16
232	Phase behavior of hybrid dendron-linear copolymers and blends with linear homopolymer. <i>Comptes Rendus Chimie</i> , 2003, 6, 853-864.	0.2	5
233	The Microstructure and Rheology of Mixed Cationic/Anionic Wormlike Micelles. <i>Langmuir</i> , 2003, 19, 4079-4089.	1.6	283
234	Influence of End Groups on Dendrimer Rheology and Conformation. <i>Macromolecules</i> , 2003, 36, 4619-4623.	2.2	47

#	ARTICLE	IF	CITATIONS
235	Characterizing complex fluids with high frequency rheology using torsional resonators at multiple frequencies. <i>Journal of Rheology</i> , 2003, 47, 303-319.	1.3	73
236	Formation of Multilamellar Vesicles by Oscillatory Shear. <i>Langmuir</i> , 2003, 19, 8709-8714.	1.6	21
237	Fundamentals of aggregation in concentrated dispersions: Fiber-optic quasielastic light scattering and linear viscoelastic measurements. <i>Faraday Discussions</i> , 2003, 123, 369-383.	1.6	27
238	Microphase Separation of Hybrid Dendron <sup>+</sup> Linear Diblock Copolymers into Ordered Structures. <i>Macromolecules</i> , 2002, 35, 8391-8399.	2.2	69
239	UNIFAC-FV Applied to Dendritic Macromolecules in Solution: Comment on "Vapor-Liquid Equilibria for Dendritic-Polymer Solutions" (Lieu, J. G.; Liu, M.; Fréchet, J. M. J.; Prausnitz, J. M. J. <i>Chem. Eng. Data</i> 1999, 44, 1105-1114).	1.1	1
240	Flow-small angle neutron scattering measurements of colloidal dispersion microstructure evolution through the shear thickening transition. <i>Journal of Chemical Physics</i> , 2002, 117, 10291-10302.	1.2	256
241	Electrosteric Stabilization of Colloidal Dispersions. <i>Langmuir</i> , 2002, 18, 6381-6390.	1.6	306
242	High frequency rheology of hard sphere colloidal dispersions measured with a torsional resonator. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2002, 102, 149-156.	1.0	32
243	Plasmon Resonance Measurements of the Adsorption and Adsorption Kinetics of a Biopolymer onto Gold Nanocolloids. <i>Langmuir</i> , 2001, 17, 957-960.	1.6	98
244	The effects of particle size on reversible shear thickening of concentrated colloidal dispersions. <i>Journal of Chemical Physics</i> , 2001, 114, 10514-10527.	1.2	324
245	The effects of interparticle interactions and particle size on reversible shear thickening: Hard-sphere colloidal dispersions. <i>Journal of Rheology</i> , 2001, 45, 1205-1222.	1.3	274
246	Electrolyte-Induced Aggregation of Acrylic Latex. 1. Dilute Particle Concentrations. <i>Langmuir</i> , 2001, 17, 3136-3147.	1.6	82
247	Rheology of polyampholyte (gelatin)-stabilized colloidal dispersions: The tertiary electroviscous effect. <i>Journal of Rheology</i> , 2001, 45, 451-466.	1.3	15
248	Influence of Polymer Motion, Topology and Simulation Size on Penetrant Diffusion in Amorphous, Glassy Polymers: Diffusion of Helium in Polypropylene. <i>Macromolecules</i> , 2001, 34, 6107-6116.	2.2	35
249	Viscosimetric, Hydrodynamic, and Conformational Properties of Dendrimers and Dendrons. <i>Macromolecules</i> , 2001, 34, 8580-8585.	2.2	131
250	The Smoluchowski equation for colloidal suspensions developed and analyzed through the GENERIC formalism. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2001, 96, 177-201.	1.0	14
251	Effect of Gravity on Colloidal Deposition Studied by Atomic Force Microscopy. <i>Journal of Colloid and Interface Science</i> , 2001, 240, 9-16.	5.0	26
252	Superposition rheology. <i>Physical Review E</i> , 2001, 63, 021406.	0.8	25



#	ARTICLE	IF	CITATIONS
253	Structure and rheology of hyperbranched and dendritic polymers. I. Modification and characterization of poly(propyleneimine) dendrimers with acetyl groups. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 857-873.	2.4	44
254	Structure and rheology of hyperbranched and dendritic polymers. II. Effects of blending acetylated and hydroxy-terminated poly(propyleneimine) dendrimers with aqueous poly(ethylene oxide) solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 874-882.	2.4	17
255	Hydrodynamic and Colloidal Interactions in Concentrated Charge-Stabilized Polymer Dispersions. <i>Journal of Colloid and Interface Science</i> , 2000, 225, 166-178.	5.0	86
256	Thermodynamic properties and rheology of sterically stabilized colloidal dispersions. <i>Rheologica Acta</i> , 2000, 39, 483-494.	1.1	23
257	Colloidal Stabilization by Adsorbed Gelatin. <i>Langmuir</i> , 2000, 16, 4100-4108.	1.6	77
258	Polyampholyte Gelatin Adsorption to Colloidal Latex: pH and Electrolyte Effects on Acrylic and Polystyrene Latices. <i>Biomacromolecules</i> , 2000, 1, 466-472.	2.6	15
259	Surface Charge of 3-(Trimethoxysilyl) Propyl Methacrylate (TPM) Coated Stober Silica Colloids by Zeta-Phase Analysis Light Scattering and Small Angle Neutron Scattering. <i>Langmuir</i> , 2000, 16, 10556-10558.	1.6	25
260	Structure and rheology of hyperbranched and dendritic polymers. I. Modification and characterization of poly(propyleneimine) dendrimers with acetyl groups. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 857.	2.4	1
261	Molecular dynamics simulation study of the mechanisms of water diffusion in a hydrated, amorphous polyamide. <i>Computational and Theoretical Polymer Science</i> , 1999, 9, 301-306.	1.1	78
262	Generalized Doi-Ohta model for multiphase flow developed via generic. <i>AICHE Journal</i> , 1999, 45, 1169-1181.	1.8	61
263	The role of liquid-crystalline polymer rheology on the evolving morphology of immiscible blends containing liquid-crystalline polymers. <i>Journal of Rheology</i> , 1999, 43, 521-549.	1.3	24
264	Gelatin Adsorption at the Air/Water Interface As Investigated by X-ray Reflectivity. <i>Langmuir</i> , 1999, 15, 4685-4689.	1.6	18
265	Molecular Dynamics Simulation of Penetrant Diffusion in Amorphous Polypropylene: Diffusion Mechanisms and Simulation Size Effects. <i>Macromolecules</i> , 1999, 32, 5017-5028.	2.2	85
266	Transient Viscosity and Molecular Order of a Thermotropic Polyester LCP in Uniaxial Elongational Flow. <i>Macromolecules</i> , 1999, 32, 1159-1166.	2.2	13
267	Rheo-optics. <i>Current Opinion in Colloid and Interface Science</i> , 1998, 3, 391-400.	3.4	30
268	Colloidal Charge Determination in Concentrated Liquid Dispersions Using Torsional Resonance Oscillation. <i>Journal of Colloid and Interface Science</i> , 1998, 202, 430-440.	5.0	46
269	Structure and Extent of Adsorbed Gelatin on Acrylic Latex and Polystyrene Colloidal Particles. <i>Journal of Colloid and Interface Science</i> , 1998, 205, 131-140.	5.0	39
270	Correlation of the minor-phase orientation to the flow-induced morphological transitions in thermotropic liquid crystalline polymer/PBT blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998, 36, 1769-1780.	2.4	17



#	ARTICLE	IF	CITATIONS
271	Atomistic simulation of water and salt transport in the reverse osmosis membrane FT-30. <i>Journal of Membrane Science</i> , 1998, 139, 1-16.	4.1	133
272	Relationship between short-time self-diffusion and high-frequency viscosity in charge-stabilized dispersions. <i>Physical Review E</i> , 1998, 58, R4088-R4091.	0.8	48
273	In Situ Analysis of the Defect Texture in Liquid Crystal Polymer Solutions under Shear. <i>Macromolecules</i> , 1997, 30, 508-514.	2.2	46
274	Molecular Simulation of Glassy Polystyrene: Size Effects on Gas Solubilities. <i>Macromolecules</i> , 1997, 30, 3058-3065.	2.2	57
275	Grand canonical Brownian dynamics simulation of colloidal adsorption. <i>Journal of Chemical Physics</i> , 1997, 107, 9157-9167.	1.2	103
276	Accurate simulation of linear viscoelastic properties by variance reduction through the use of control variates. <i>Journal of Rheology</i> , 1997, 41, 757-768.	1.3	17
277	Quantitative predictions of suspension rheology by nonequilibrium Brownian dynamics and hydrodynamic preaveraging. <i>Journal of Rheology</i> , 1997, 41, 893-899.	1.3	4
278	Self-diffusion in dispersions of charged colloidal spheres by generalized hydrodynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 235, 34-47.	1.2	10
279	Building Large Amorphous Polymer Structures: Atomistic Simulation of Glassy Polystyrene. <i>Macromolecules</i> , 1996, 29, 8497-8506.	2.2	73
280	SANS Analysis of the Molecular Order in Poly( <sup>3</sup> -benzyl-L-glutamate)/Deuterated Dimethylformamide (PBLG/d-DMF) under Shear and during Relaxation. <i>Macromolecules</i> , 1996, 29, 2298-2301.	2.2	63
281	Formation of AOT/Brine Multilamellar Vesicles. <i>Langmuir</i> , 1996, 12, 3122-3126.	1.6	120
282	Reversible shear thickening in monodisperse and bidisperse colloidal dispersions. <i>Journal of Rheology</i> , 1996, 40, 899-916.	1.3	419
283	A parallel algorithm for Lees-Edwards boundary conditions. <i>Parallel Computing</i> , 1996, 22, 895-901.	1.3	1
284	A rheological and morphological study of a copolyester liquid crystal/polypropylene blend system. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1996, 34, 2433-2445.	2.4	18
285	Microstructure and rheology of polydisperse, charged suspensions. <i>Journal of Chemical Physics</i> , 1996, 104, 9249-9258.	1.2	34
286	Formation of a Highly Ordered Colloidal Microstructure upon Flow Cessation from High Shear Rates. <i>Physical Review Letters</i> , 1996, 77, 2117-2120.	2.9	35
287	Rheology, self-diffusion, and microstructure of charged colloids under simple shear by massively parallel nonequilibrium Brownian dynamics. <i>Journal of Chemical Physics</i> , 1996, 104, 9234-9248.	1.2	72
288	Thermodynamic self-consistency criterion in the mixed integral equation theory of liquid structure. <i>Physical Review E</i> , 1996, 53, 2968-2971.	0.8	5

#	ARTICLE	IF	CITATIONS
289	Optical Measurement of the Contributions of Colloidal Forces to the Rheology of Concentrated Suspensions. <i>Journal of Colloid and Interface Science</i> , 1995, 172, 171-184.	5.0	258
290	Telescoping Fast Multipole Methods Using Chebyshev Economization. <i>Journal of Computational Physics</i> , 1995, 122, 317-322.	1.9	8
291	Viscosity, Microstructure, and Interparticle Potential of AOT/H <sub>2</sub> O/n-Decane Inverse Microemulsions. <i>Langmuir</i> , 1995, 11, 1559-1570.	1.6	81
292	Structure of Isotropic Solutions of Rigid Macromolecules via Small-Angle Neutron Scattering: Poly( $\gamma$ -benzyl L-glutamate)/Deuterated Dimethylformamide. <i>Macromolecules</i> , 1995, 28, 5075-5081.	2.2	15
293	The rheology of highly concentrated PBLG solutions. <i>Journal of Rheology</i> , 1995, 39, 925-952.	1.3	73
294	Self-consistent solution for the generalized hydrodynamics model of suspension dynamics: Comparison of theory with rheological and optical measurements. <i>Physical Review E</i> , 1994, 49, 376-401.	0.8	21
295	Rheology of region I flow in a lyotropic liquidâ€crystal polymer: The effects of defect texture. <i>Journal of Rheology</i> , 1994, 38, 1525-1547.	1.3	92
296	The viscosity of bimodal and polydisperse suspensions of hard spheres in the dilute limit. <i>Journal of Fluid Mechanics</i> , 1994, 278, 267-287.	1.4	61
297	Guest Editorial: Proceedings of the Boston Symposia on Experimental Techniques. <i>Journal of Rheology</i> , 1994, 38, 1069-1069.	1.3	0
298	The Huggins Coefficient for the Square-Well Colloidal Fluid. <i>Industrial &amp; Engineering Chemistry Research</i> , 1994, 33, 2391-2397.	1.8	39
299	Determination of the Texture Viscosity and Elasticity of a Nematic PBLG/d-DMF Solution through Magnetic Field Alignment. <i>Macromolecules</i> , 1994, 27, 5979-5986.	2.2	17
300	The High-Frequency Shear Modulus of Colloidal Suspensions and the Effects of Hydrodynamic Interactions. <i>Journal of Colloid and Interface Science</i> , 1993, 161, 169-181.	5.0	60
301	Analysis of nonequilibrium structures of shearing colloidal suspensions. <i>Journal of Chemical Physics</i> , 1992, 97, 1473-1483.	1.2	50
302	Massively Parallel Molecular Dynamics Simulations of Two-dimensional Materials at High Strain Rates. <i>Materials Research Society Symposia Proceedings</i> , 1992, 291, 91.	0.1	4
303	Shear Thinning Properties of Dense Suspensions: Rheology and Flow Dichroism. <i>Materials Research Society Symposia Proceedings</i> , 1992, 289, 81.	0.1	0
304	Molecular-dynamics simulations of two-dimensional materials at high strain rates. <i>Physical Review A</i> , 1992, 45, 8457-8470.	1.0	82
305	Predictions for the Viscoelasticity of Dispersions of Charged, Brownian Spheres through Generalized Hydrodynamics. , 1992, , 634-636.		0
306	The microstructure of polydisperse, charged colloidal suspensions by light and neutron scattering. <i>Journal of Chemical Physics</i> , 1991, 95, 494-508.	1.2	71

#	ARTICLE	IF	CITATIONS
307	Rheological and Optical Properties of Shearing Colloidal Suspensions by Polarized Light Spectroscopy. Materials Research Society Symposia Proceedings, 1991, 248, 269.	0.1	0
308	The rheology and microstructure of charged colloidal suspensions. Colloid and Polymer Science, 1991, 269, 295-319.	1.0	26
309	The birefringence of shearing colloidal suspensions. Journal of Chemical Physics, 1991, 94, 6931-6932.	1.2	3
310	Effects of pairwise versus many-body forces on high-stress plastic deformation. Physical Review A, 1991, 43, 2655-2661.	1.0	110
311	Light scattering measurements of a hard sphere suspension under shear. Physics of Fluids A, Fluid Dynamics, 1990, 2, 491-502.	1.6	56
312	Comparison of small shear flow rate small wave vector static structure factor data with theory. Journal of Chemical Physics, 1989, 90, 3250-3253.	1.2	21
313	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
314	Numerical simulations of eccentricity and end effects in falling ball rheometry. Journal of Rheology, 1989, 33, 1107-1128.	1.3	15
315	Charge and Size Polydispersity Effects on the Scattering Properties and the High-Frequency Elasticity of Colloids. Materials Research Society Symposia Proceedings, 1989, 177, 219.	0.1	5
316	The dichroism and birefringence of a hard sphere suspension under shear. Journal of Chemical Physics, 1988, 89, 1580-1587.	1.2	42
317	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
318	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
319	Evidence of metal support interaction for an Ni/TiO <sub>2</sub> -SiO <sub>2</sub> catalyst. Journal of the Chemical Society Chemical Communications, 1984, , 1274-1275.	2.0	9
320	Preparation, reduction, and chemisorption behavior of niobia-supported nickel catalysts. Journal of Catalysis, 1983, 84, 85-94.	3.1	53
321	Activity and selectivity of a niobia (Nb <sub>2</sub> O <sub>5</sub> )-supported nickel catalyst in CO hydrogenation. Journal of the Chemical Society Chemical Communications, 1983, , 94.	2.0	15
322	How colloidal dispersions relax under stress. Physics Magazine, 0, 1, .	0.1	2
323	Brownian hard spheres. , 0, , 80-121.		0
324	Stable systems. , 0, , 122-154.		0

#	ARTICLE	IF	CITATIONS
325	Colloidal attractions and flocculated dispersions. , 0, , 180-227.		0
326	Shear thickening. , 0, , 252-290.		0
327	Understanding the Protection Mechanism of Non-Ionic Surfactants in mAb Formulations Using Neutron Scattering. Neutron News, 0, , 1-2.	0.1	0
328	Rheokinetic modeling of N-A-Sâ€H gel formation related to alkali-activated aluminosilicate materials. Rheologica Acta, 0, , .	1.1	0