RESEARCH & PUBLICATIONS

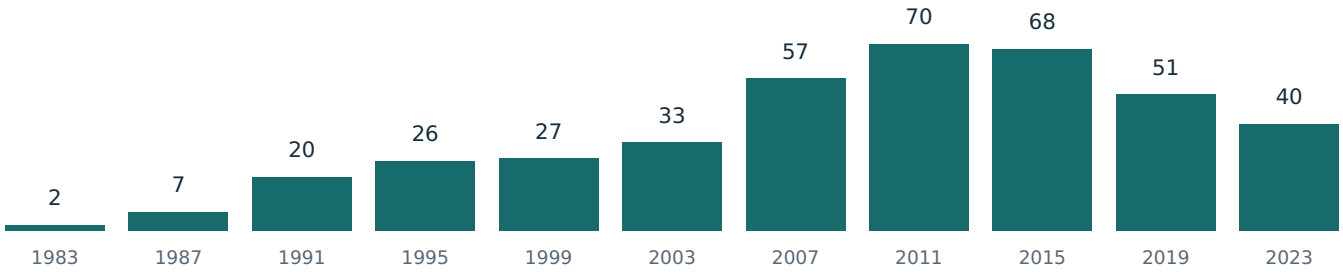
Norman J. Wagner

A publication record at a glance

401	19,600	74
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles grouped into 4-year periods



MOST CITED IN THIS LIST

Thixotropy — 1,113
2009 Advances in Colloid and Interface Science

Shear Thickening in Colloidal Dispersions — 923
2009 Physics Today

The Ballistic Impact Characteristics of Kevlar® Woven Fabrics Impregnated With a Colloidal Shear Thickening Fluid — 839
2003 Journal of Materials Science

This publication list was generated automatically from the exaly database without manual editing. It reflects the database records available when the document was created.

For the latest record and an updated publication list, visit the author profile:

https://exaly.com/author/2186622

Document version: 2026-11-11 (UTC) | Database snapshot: 2026-11-10

Ordered by publication year, newest first

2026

01 Flow-Induced Migration of Aggregating Suspensions in Pipe Flow
Journal of Non-Newtonian Fluid Mechanics · 348, 105533
https://exaly.com/article/207323599
0 citations

02 Two-Population Rouse Models for Polymer Segmental Dynamics in Nanocomposites
Physical Review E · 113, 015405
https://exaly.com/article/207704942
0 citations

03 Unifying Behavior in the Rapid Strength Formation of BP-1 Lunar Regolith Simulant Geopolymers Processed via Microwave Curing
Advances in Space Research · 77, 9544-9578
https://exaly.com/article/210873276
3 citations

04 Effects of Low-Earth Orbit Exposure on Geopolymer Material Properties
Advances in Space Research · 77, 10583-10598
https://exaly.com/article/210966737
3 citations

05 Effects of Shear on the Rheological Property Development of Alkali-Activated Metakaolin Geopolymers With Implications for ISRU in Lunar Construction
Journal of Rheology · 70, 581-595
https://exaly.com/article/212913552
3 citations

06 Rheology Beyond Earth
Journal of Rheology · 70, 483-485
https://exaly.com/article/212937974
2 citations

07 Predicting Lunar Regolith Simulant Geopolymer Compressive Strength via Machine Learning
Acta Astronautica · 248, 1109-1133
https://exaly.com/article/215031825
0 citations

08 Neutron Spin Echo Spectroscopy
Nature Reviews Methods Primers · 6, 55
https://exaly.com/article/216413201
1 citations

09 Impact of Particle Size Distribution on Modulus Development During Curing and Seven-Day Compressive Strength of Lunar Regolith Simulant Geopolymers
Advances in Space Research
https://exaly.com/article/228450635
0 citations

Ordered by publication year, newest first

2025

10 Quantifying Long-Time Hydrogen–Deuterium Exchange of Bovine Serum Albumin With Hydrogen–Deuterium Exchange Small-Angle Neutron Scattering

1 citations

Journal of Physical Chemistry B · 129, 19-27

https://exaly.com/article/195780297

11 Development and Evaluation of a Woven-Nonwoven Hybrid Environmental Protection Garments (EPG) Shell Textile for Lunar Exploration Mission

0 citations

International Textile and Apparel Association Annual Conference Proceedings

https://exaly.com/article/196623031

12 Relating the Early-Age Reaction Kinetics and Material Property Development in a Model Metakaolin Geopolymer

9 citations

Journal of the American Ceramic Society · 108, e20531

https://exaly.com/article/199992308

13 Influence of Pressure Holding Time on Ovalbumin Solution Behavior via Small-Angle Neutron Scattering and Diffusing Wave Spectroscopy

2 citations

Journal of Food Process Engineering · 48, e70088

https://exaly.com/article/200037719

14 Competitive Adsorption of Monoclonal Antibodies and Nonionic Surfactants at the Air–Water Interface

3 citations

ACS Applied Materials & Interfaces · 17, 40116-40128

https://exaly.com/article/202508568

15 Thermal Shear Rheology of Silicone O/W Emulsions Used in Surface Coating of Parenteral Containers

2 citations

European Journal of Pharmaceutical Sciences · 212, 107186

https://exaly.com/article/202601496

16 Anomalous Shear Transience for Low Shear Rate Confined Blood Flows

1 citations

Industrial & Engineering Chemistry Research · 64, 19199-19209

https://exaly.com/article/203565824

17 How Sighing Regulates Pulmonary Surfactant Structure and Its Role in Breathing Mechanics

5 citations

Science Advances · 11, eadx6034

https://exaly.com/article/205171166

18 High-Pressure Rheology of a Thermoreversible Protein Sol–Gel

0 citations

Industrial & Engineering Chemistry Research · 64, 19470-19483

https://exaly.com/article/205344956

Ordered by publication year, newest first

2025 / continued

19 **Comparative Structural and Rheological Analysis of Model and Clinical Surfactants: Role of Protein-Enriched Multilayers and Bulk Supply**
5 citations
Soft Matter · 21, 7963-7973
https://exaly.com/article/206095169

20 **Shear and Dilatational Rheology and Interfacial Structure of a Monoclonal Antibody Adsorbed at the Air–Liquid Interface**
3 citations
Langmuir · 41, 30102-30115
https://exaly.com/article/206764479

21 **Sinter Coated Environmental Protection Garments (EPG) Shell Textiles for Lunar Extravehicular Activity (EVA)**
0 citations
International Textile and Apparel Association Annual Conference Proceedings
https://exaly.com/article/208154345

2024

22 **Composition-Property Relationships of BP-1 Lunar Regolith Simulant Geopolymers for In-Situ Resource Utilization**
18 citations
Advances in Space Research · 73, 885-917
https://exaly.com/article/171911201

23 **Combined Effects of Pressure and Ionic Strength on Protein–Protein Interactions: An Empirical Approach**
5 citations
Biomacromolecules · 25, 338-348
https://exaly.com/article/174054492

24 **Surface-Mediated Spontaneous Emulsification of the Acylated Peptide Semaglutide**
10 citations
Proceedings of the National Academy of Sciences of the United States of America · 121, e2305770121
https://exaly.com/article/175344736

25 **Evaluation of Environmental Protection Garments (EPG) Shell Textiles for Lunar Exploration Mission**
0 citations
International Textile and Apparel Association Annual Conference Proceedings
https://exaly.com/article/175481595

26 **Thermoreversible Gels of Hollow Silica Nanorod Dispersions**
7 citations
Journal of Colloid and Interface Science · 661, 219-227
https://exaly.com/article/175665075

27 **Thermoreversible Gels of Hollow Silica Nanorod Dispersions**
0 citations
Neutron News · 35, 16-17
https://exaly.com/article/185793147

Ordered by publication year, newest first

2024 / continued

28 Suppression of Segmental Chain Dynamics on a Particle's Surface in Well-Dispersed Polymer Nanocomposites — 4 citations
ACS Macro Letters · 13, 720-725
https://exaly.com/article/186018279

29 Data-Driven Constitutive Meta-Modeling of Nonlinear Rheology via Multifidelity Neural Networks — 6 citations
Journal of Rheology · 68, 679-693
https://exaly.com/article/187607474

30 Quantifying Electron Transport in Aggregated Colloidal Suspensions in the Strong Flow Regime — 7 citations
Proceedings of the National Academy of Sciences of the United States of America · 121, e2403000121
https://exaly.com/article/188262421

31 Evaluation of a Novel Multimode Interfacial Rheometer — 8 citations
Journal of Rheology · 68, 785-799
https://exaly.com/article/188809363

32 Design and Fabrication of an Impact Resistant Composite Laminate With Shear Thickening Fluid Textiles for Space Suit Applications and Their ISS Low Earth Orbit Studies on MISSE 15 — 0 citations
Journal unavailable
https://exaly.com/article/213461631

33 Development of Advanced Nonwoven Composite Fabric Using STF-Armor™ for Lunar Dust Mitigation — 0 citations
Journal unavailable
https://exaly.com/article/213468558

34 High Tenacity Textiles Containing Shear Thickening Fluid and Uses Thereof — 0 citations
Journal unavailable
https://exaly.com/article/226262041

2023

35 Micelle Formation and Phase Separation of Poloxamer 188 and Preservative Molecules in Aqueous Solutions Studied by Small Angle X-Ray Scattering — 18 citations
Journal of Pharmaceutical Sciences · 112, 731-739
https://exaly.com/article/154921401

36 Physiology-Based Parameterization of Human Blood Steady Shear Rheology via Machine Learning: A Hemostatistics Contribution — 13 citations
Rheologica Acta · 62, 491-506
https://exaly.com/article/164722307

Ordered by publication year, newest first

2023 / continued

37 Microstructure and Rheology of Shear Thickening Colloidal Suspensions Under Transient Flows — 6 citations
Physics of Fluids
https://exaly.com/article/164979473

38 A Polydisperse Model for Thixotropic Elasto-Viscoplastic Suspensions of Aggregating Particles Using Population Balances — 9 citations
AICHE Journal · 69, e18184
https://exaly.com/article/166821849

39 Interfacial Pressure and Viscoelasticity of Antibodies and Their Correlation to Long-Term Stability in Formulation — 14 citations
Journal of Physical Chemistry B · 127, 9724-9733
https://exaly.com/article/171300686

40 Hydrogen–Deuterium Exchange Dynamics of NISTmAb Measured by Small Angle Neutron Scattering — 3 citations
Molecular Pharmaceutics · 20, 6358-6367
https://exaly.com/article/172665051

2022

41 Design of PLGA-Based Drug Delivery Systems Using a Physically-Based Sustained Release Model — 12 citations
Journal of Pharmaceutical Sciences · 111, 345-357
https://exaly.com/article/82001040

42 Comparison of Lunar and Martian Regolith Simulant-Based Geopolymer Cements Formed by Alkali-Activation for In-Situ Resource Utilization — 83 citations
Advances in Space Research · 69, 761-777
https://exaly.com/article/118468172

43 Structure-Property Relationships and State Behavior of Alkali-Activated Aluminosilicate Gels — 31 citations
Cement and Concrete Research · 151, 106618
https://exaly.com/article/119344020

44 Rheological Behavior for α-1,3-Glucan Derived From Enzymatic Polymerization of Sucrose — 3 citations
ACS Food Science & Technology · 2, 240-248
https://exaly.com/article/125244129

Ordered by publication year, newest first

2022 / continued

45 **Direct Observation of COVID-19 Prevention Behaviors and Physical Activity in Public Open Spaces** — 5 citations

International Journal of Environmental Research and Public Health · 19, 1335

https://exaly.com/article/125312639

46 **Aggregation Kinetics of Polysorbate 80/m-Cresol Solutions: A Small-Angle Neutron Scattering Study** — 9 citations

Molecular Pharmaceutics · 19, 862-875

https://exaly.com/article/125473880

47 **Tensorial Formulations for Improved Thixotropic Viscoelastic Modeling of Human Blood** — 25 citations

Journal of Rheology · 66, 327-347

https://exaly.com/article/125561056

48 **Flux-Based Modeling of Heat and Mass Transfer in Multicomponent Systems** — 3 citations

Physics of Fluids

https://exaly.com/article/134753432

49 **A Thermodynamically Consistent, Microscopically-Based, Model of the Rheology of Aggregating Particles Suspensions** — 9 citations

Entropy · 24, 717

https://exaly.com/article/145872998

50 **Microstructure of Continuous Shear Thickening Colloidal Suspensions Determined by Rheo-VSANS and Rheo-USANS** — 14 citations

Soft Matter · 18, 4325-4337

https://exaly.com/article/145970364

51 **Anomalous Rheological Aging of a Model Thermoreversible Colloidal Gel Following a Thermal Quench** — 16 citations

Journal of Chemical Physics · 157, 024901

https://exaly.com/article/148496086

52 **Rheokinetic Modeling of N-a-S–H Gel Formation Related to Alkali-Activated Aluminosilicate Materials** — 9 citations

Rheologica Acta · 61, 601-612

https://exaly.com/article/148834028

53 **Colloidal Hard Spheres** — 0 citations

Journal unavailable

https://exaly.com/article/154226615

Ordered by publication year, newest first

2022 / continued

54 **Recent Advances in Rheology: Theory, Biorheology, Suspension and Interfacial Rheology** — 23 citations
Journal unavailable
https://exaly.com/article/154376744

55 **Instrument for Measurement of Interfacial Structure–Property Relationships With Decoupled Interfacial Shear and Dilatational Flow: “Quadrotrough”** — 21 citations
Review of Scientific Instruments · 93, 093903
https://exaly.com/article/154972724

56 **English Translation of Giesekus's Famous Article on the Elasticity of Liquids** — 8 citations
Physics of Fluids
https://exaly.com/article/156596088

2021

57 **Adsorption of Non-Ionic Surfactant and Monoclonal Antibody on Siliconized Surface Studied by Neutron Reflectometry** — 48 citations
Journal of Colloid and Interface Science · 584, 429-438
https://exaly.com/article/77815709

58 **Structural and Rheological Aging in Model Attraction-Driven Glasses by Rheo-SANS** — 11 citations
Soft Matter · 17, 924-935
https://exaly.com/article/77857133

59 **Relating Chemical Composition, Structure, and Rheology in Alkali-Activated Aluminosilicate Gels** — 19 citations
Journal of the American Ceramic Society · 104, 572-583
https://exaly.com/article/78034177

60 **A Comparative Study of Blood Rheology Across Species** — 30 citations
Soft Matter · 17, 4766-4774
https://exaly.com/article/78221248

61 **Direct Measurements of the Microstructural Origin of Shear-Thinning in Carbon Black Suspensions** — 43 citations
Journal of Rheology · 65, 145
https://exaly.com/article/79389064

62 **Microstructure and Rheology of Shear-Thickening Colloidal Suspensions With Varying Interparticle Friction: Comparison of Experiment With Theory and Simulation Models** — 32 citations
Physics of Fluids
https://exaly.com/article/79705211

Ordered by publication year, newest first

2021 / continued

63 **Rheology of Colloidal Glasses and Gels**
Journal unavailable
https://exaly.com/article/79880449
18 citations

64 **Introduction to Colloidal Suspension Rheology**
Journal unavailable
https://exaly.com/article/79899604
1 citations

65 **Lubricant Effects on Articular Cartilage Sliding Biomechanics Under Physiological Fluid Load Support**
Tribology Letters · 69, 1-14
https://exaly.com/article/79922460
18 citations

66 **Applications**
Journal unavailable
https://exaly.com/article/80016985
4 citations

67 **Microstructure Under Flow**
Journal unavailable
https://exaly.com/article/80031926
2 citations

68 **Understanding the Protection Mechanism of Non-Ionic Surfactants in mAb Formulations Using Neutron Scattering**
Neutron News
https://exaly.com/article/82006426
0 citations

69 **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 · 18, 9329
https://exaly.com/article/82020636
5 citations

70 **Nanocrystalline Protein Domains via Salting-Out**
Acta Crystallographica Section F, Structural Biology Communications · 77, 412-419
https://exaly.com/article/91163363
2 citations

71 **Preservative Induced Polysorbate 80 Micelle Aggregation**
Journal of Pharmaceutical Sciences · 110, 2395-2404
https://exaly.com/article/119008871
11 citations

72 **Recent Advances in Blood Rheology: A Review**
Soft Matter · 17, 10591-10613
https://exaly.com/article/119336677
179 citations

Ordered by publication year, newest first

2021 / continued

73 **Stress-Responsive Compositions and Uses Thereof**
Journal unavailable
https://exaly.com/article/225642428
0 citations

2020

74 **Dynamic Arrest of Adhesive Hard Rod Dispersions**
Soft Matter · 16, 1279-1286
https://exaly.com/article/75186321
16 citations

75 **Micellar Morphology of Polysorbate 20 and 80 and Their Ester Fractions in Solution via Small-Angle Neutron Scattering**
Journal of Pharmaceutical Sciences · 109, 1498-1508
https://exaly.com/article/75223490
50 citations

76 **Surface Chemical Functionalization of Wrinkled Thiol–Ene Elastomers for Promoting Cellular Alignment**
ACS Applied Bio Materials · 3, 3731-3740
https://exaly.com/article/76608089
10 citations

77 **Application of Population Balance-Based Thixotropic Model to Human Blood**
Journal of Non-Newtonian Fluid Mechanics · 281, 104294
https://exaly.com/article/76687743
23 citations

78 **Experimental Test of a Frictional Contact Model for Shear Thickening in Concentrated Colloidal Suspensions**
Journal of Rheology · 64, 267-282
https://exaly.com/article/76939989
32 citations

79 **One-Step, in Situ Jamming Point Measurements by Immobilization Cell Rheometry**
Rheologica Acta · 59, 209-225
https://exaly.com/article/76956491
5 citations

80 **Competitive Surface Activity of Monoclonal Antibodies and Nonionic Surfactants at the Air–Water Interface Determined by Interfacial Rheology and Neutron Reflectometry**
Langmuir · 36, 7814-7823
https://exaly.com/article/77157606
48 citations

81 **Molecular Engineering of Thixotropic, Sprayable Fluids With Yield Stress Using Associating Polysaccharides**
Journal of Colloid and Interface Science · 580, 264-274
https://exaly.com/article/77184085
10 citations

Ordered by publication year, newest first

2019

82 Micro-Inertia Effects in Material Flow
3 citations
Journal of Non-Equilibrium Thermodynamics · 44, 235-246
https://exaly.com/article/72385171

83 Editorial Overview: Recent Applications of x-Ray and Neutron Scattering Techniques in Colloid and Interfacial Science, Characterised by Increasing Diversity and Complexity
1 citations
Current Opinion in Colloid and Interface Science · 42, A1-A3
https://exaly.com/article/72391356

84 Highlights From the Previous Volumes
0 citations
Europhysics Letters · 127, 00000
https://exaly.com/article/72538061

85 Measurements of Human Blood Viscoelasticity and Thixotropy Under Steady and Transient Shear and Constitutive Modeling Thereof
75 citations
Journal of Rheology · 63, 799-813
https://exaly.com/article/72616325

86 Data-Driven Development of Predictive Models for Sustained Drug Release
6 citations
Journal of Pharmaceutical Sciences · 108, 3582-3591
https://exaly.com/article/72759494

87 Microstructure of Neat and SBS Modified Asphalt Binder by Small-Angle Neutron Scattering
54 citations
Fuel · 253, 1589-1596
https://exaly.com/article/73014975

88 Waiting-Time Distributions of Particle Entrapments in Clustered States Generated by Short-Range Attractive, Long-Range Repulsive (SALR) Interactions
0 citations
Europhysics Letters · 126, 38002
https://exaly.com/article/73078565

89 Structure-Property Relationships of Sheared Carbon Black Suspensions Determined by Simultaneous Rheological and Neutron Scattering Measurements
72 citations
Journal of Rheology · 63, 423-436
https://exaly.com/article/73553173

90 On the Macroscopic Modeling of the Rheology and Ostwald Ripening of Dilute Stabilized Emulsions
7 citations
Physics of Fluids
https://exaly.com/article/74640220

Ordered by publication year, newest first

2019 / continued

91 In Situ Characterization of the Microstructural Evolution of Biopharmaceutical Solid-State Formulations With Implications for Protein Stability — 8 citations

Molecular Pharmaceutics · 16, 173-183

https://exaly.com/article/74758501

2018

92 Investigation of Blood Rheology Under Steady and Unidirectional Large Amplitude Oscillatory Shear — 70 citations

Journal of Rheology · 62, 577-591

https://exaly.com/article/68788943

93 On the Macroscopic Modeling of Dilute Emulsions Under Flow in the Presence of Particle Inertia — 10 citations

Physics of Fluids

https://exaly.com/article/68805803

94 Short-Time Dynamics of Lysozyme Solutions With Competing Short-Range Attraction and Long-Range Repulsion: Experiment and Theory — 30 citations

Journal of Chemical Physics · 148, 065101

https://exaly.com/article/68983841

95 Comicellization of Binary PEO–PPO–PEO Triblock Copolymer Mixtures in Ethylammonium Nitrate — 8 citations

Macromolecules · 51, 1453-1461

https://exaly.com/article/69027212

96 Effects of Resin Architecture and Protein Size on Nanoscale Protein Distribution in Ion-Exchange Media — 14 citations

Langmuir · 34, 673-684

https://exaly.com/article/69163000

97 Rapid and Controlled Photo-Induced Thiol–Ene Wrinkle Formation via Flowcoating — 4 citations

Materials Horizons · 5, 514-520

https://exaly.com/article/69401830

98 Dynamic Properties of Different Liquid States in Systems With Competing Interactions Studied With Lysozyme Solutions — 17 citations

Soft Matter · 14, 8570-8579

https://exaly.com/article/70051218

99 Ultra-Stretchable Conductive Iono-Elastomer and Motion Strain Sensor System Developed Therefrom — 11 citations

Technology and Innovation · 19, 269-282

https://exaly.com/article/70506223

Ordered by publication year, newest first

2018 / continued

100 **Normal Lubrication Force Between Spherical Particles Immersed in a Shear-Thickening Fluid**
Physics of Fluids · 30, 123102
https://exaly.com/article/70509375
17 citations

101 **Neutron Scattering in the Biological Sciences: Progress and Prospects**
Acta Crystallographica Section D: Structural Biology · 74, 1129-1168
https://exaly.com/article/70525910
77 citations

102 **Iono-Elastomer-Based Wearable Strain Sensor With Real-Time Thermomechanical Dual Response**
ACS Applied Materials & Interfaces · 10, 32435-32443
https://exaly.com/article/70876697
39 citations

103 **Effects of Ex Vivo Aging and Storage Temperature on Blood Viscosity**
Clinical Hemorheology and Microcirculation · 70, 155-172
https://exaly.com/article/71050143
29 citations

104 **Adsorption of Polysorbate 20 and Proteins on Hydrophobic Polystyrene Surfaces Studied by Neutron Reflectometry**
Colloids and Surfaces B: Biointerfaces · 168, 94-102
https://exaly.com/article/71071722
40 citations

105 **Branching and Alignment in Reverse Worm-Like Micelles Studied With Simultaneous Dielectric Spectroscopy and RheoSANS**
Soft Matter · 14, 5344-5355
https://exaly.com/article/71094134
17 citations

106 **Detecting Branching in Wormlike Micelles via Dynamic Scattering Methods**
ACS Macro Letters · 7, 614-618
https://exaly.com/article/71127539
22 citations

107 **Nonlinear Rheological Behavior of Bitumen Under LAOS Stress**
Journal of Rheology · 62, 975-989
https://exaly.com/article/71185980
35 citations

108 **Mechanisms of Precipitate Formation During the Purification of an Fc-Fusion Protein**
Biotechnology and Bioengineering · 115, 2489-2503
https://exaly.com/article/71727925
8 citations

Ordered by publication year, newest first

2017

109 **Characterization of Protein–Excipient Microheterogeneity in Biopharmaceutical Solid-State Formulations by Confocal Fluorescence Microscopy**
14 citations
Molecular Pharmaceutics · 14, 546-553
https://exaly.com/article/65908541

110 **A Constitutive Equation for Thixotropic Suspensions With Yield Stress by Coarse-Graining a Population Balance Model**
30 citations
AICHE Journal · 63, 517-531
https://exaly.com/article/66114593

111 **Synthetic Control of the Size, Shape, and Polydispersity of Anisotropic Silica Colloids**
35 citations
Journal of Colloid and Interface Science · 501, 45-53
https://exaly.com/article/66183891

112 **Thermal Rheology and Microstructure of Shear Thickening Suspensions of Silica Nanoparticles Dispersed in the Ionic Liquid [C4mim][BF4]**
23 citations
Journal of Rheology · 61, 525-535
https://exaly.com/article/66235521

113 **Editorial Overview: Nanotechnology**
0 citations
Current Opinion in Chemical Engineering · 16, i-ii
https://exaly.com/article/66362443

114 **Structure-Rheology Relationship for a Homogeneous Colloidal Gel Under Shear Startup**
35 citations
Journal of Rheology · 61, 117-137
https://exaly.com/article/66738667

115 **The Rheology and Microstructure of an Aging Thermoreversible Colloidal Gel**
50 citations
Journal of Rheology · 61, 23-34
https://exaly.com/article/66757779

116 **A Strain-Controlled RheoSANS Instrument for the Measurement of the Microstructural, Electrical, and Mechanical Properties of Soft Materials**
19 citations
Review of Scientific Instruments · 88, 105115
https://exaly.com/article/66790021

117 **Planar Channel Flow of a Discontinuous Shear-Thickening Model Fluid: Theory and Simulation**
18 citations
Physics of Fluids
https://exaly.com/article/66795358

Ordered by publication year, newest first

2017 / continued

118 **Clustering and Percolation in Suspensions of Carbon Black**
Langmuir · 33, 12260-12266
https://exaly.com/article/66821489
95 citations

119 **Force-Induced Cleavage of a Labile Bond for Enhanced Mechanochemical Crosslinking**
Polymer Chemistry · 8, 6485-6489
https://exaly.com/article/66821670
24 citations

120 **Self-Assembly of Block Copolymers in Ionic Liquids**
ACS Symposium Series
https://exaly.com/article/66875373
6 citations

121 **Dynamic Shear Rheology and Structure Kinetics Modeling of a Thixotropic Carbon Black Suspension**
Rheologica Acta · 56, 811-824
https://exaly.com/article/66881926
35 citations

122 **On the Macroscopic Modelling of Dilute Emulsions Under Flow**
Journal of Fluid Mechanics · 831, 433-473
https://exaly.com/article/66905287
24 citations

123 **An Experimental Study of Multimodal Glass Suspension Rheology to Test and Validate a Polydisperse Suspension Viscosity Model**
Rheologica Acta · 56, 995-1006
https://exaly.com/article/66924024
5 citations

124 **Dielectric RheoSANS — Simultaneous Interrogation of Impedance, Rheology and Small Angle Neutron Scattering of Complex Fluids**
Journal of Visualized Experiments
https://exaly.com/article/67448418
11 citations

125 **An Adaptive Parallel Tempering Method for the Dynamic Data-Driven Parameter Estimation of Nonlinear Models**
AICHE Journal · 63, 1937-1958
https://exaly.com/article/67639169
38 citations

126 **Rheology of Cubic Particles in a Concentrated Colloidal Dispersion Suspending Medium**
AICHE Journal · 63, 1091-1101
https://exaly.com/article/67692453
15 citations

Ordered by publication year, newest first

2017 / continued

127 Dynamic Infrared Sample Controlled (DISCO) Temperature for the Tumbler Cells for Ultra Small Angle Neutron Scattering (USANS)
6 citations
Journal of Neutron Research · 19, 23-26
https://exaly.com/article/68260404

128 Dielectric RheoSANS — Simultaneous Interrogation of Impedance, Rheology and Small Angle Neutron Scattering of Complex Fluids
0 citations
Journal of Visualized Experiments
https://exaly.com/article/147419344

2016

129 The 8th American Conference on Neutron Scattering
0 citations
Neutron News · 27, 4-10
https://exaly.com/article/63509402

130 Modeling the Effects of Polydispersity on the Viscosity of Noncolloidal Hard Sphere Suspensions
38 citations
Journal of Rheology · 60, 225-240
https://exaly.com/article/63585162

131 Rheology of Non-Brownian Particles Suspended in Concentrated Colloidal Dispersions at Low Particle Reynolds Number
41 citations
Journal of Rheology · 60, 47-59
https://exaly.com/article/63607524

132 Dynamic Shear Rheology of a Thixotropic Suspension: Comparison of an Improved Structure-Based Model With Large Amplitude Oscillatory Shear Experiments
119 citations
Journal of Rheology · 60, 433-450
https://exaly.com/article/63691710

133 Modeling the Viscosity of Polydisperse Suspensions: Improvements in Prediction of Limiting Behavior
18 citations
Physics of Fluids
https://exaly.com/article/63799315

134 A Critical Examination of the Decoupling Approximation for Small-Angle Scattering From Hard Ellipsoids of Revolution
32 citations
Journal of Applied Crystallography · 49, 1734-1739
https://exaly.com/article/63802242

135 Validation of Constitutive Modeling of Shear Banding, Threadlike Wormlike Micellar Fluids
29 citations
Journal of Rheology · 60, 983-999
https://exaly.com/article/63855876

Ordered by publication year, newest first

2016 / continued

136 **Understanding Steady and Dynamic Shear Banding in a Model Wormlike Micellar Solution**
Journal of Rheology · 60, 1001-1017
https://exaly.com/article/63855879
32 citations

137 **Rheology of Cubic Particles Suspended in a Newtonian Fluid**
Soft Matter · 12, 4654-4665
https://exaly.com/article/64086362
43 citations

138 **Water Nanocluster Formation in the Ionic Liquid 1-Butyl-3-Methylimidazolium Tetrafluoroborate ([C4mim][BF4])–D2O Mixtures**
Langmuir · 32, 5078-84
https://exaly.com/article/64152061
48 citations

139 **Mixed Ionic/Electronic Conducting Surface Layers Adsorbed on Colloidal Silica for Flow Battery Applications**
ACS Applied Materials & Interfaces · 8, 24089-96
https://exaly.com/article/64287737
10 citations

140 **Engineering Enhanced Cut and Puncture Resistance Into the Thermal Micrometeoroid Garment (TMG) Using Shear Thickening Fluid (STF) – Armor™ Absorber Layers**
Composites Science and Technology · 131, 61-66
https://exaly.com/article/64369934
50 citations

141 **Thermoreversible Gels Composed of Colloidal Silica Rods With Short-Range Attractions**
Langmuir · 32, 8424-35
https://exaly.com/article/64406857
33 citations

142 **Non-Ideal Viscosity and Excess Molar Volume of Mixtures of 1-Butyl-3-Methylimidazolium Tetrafluoroborate ([C4mim][BF4]) With Water**
Journal of Molecular Liquids · 223, 678-686
https://exaly.com/article/64467086
23 citations

143 **Ultrastretchable Iono-Elastomers With Mechanoelectrical Response**
ACS Macro Letters · 5, 1332-1338
https://exaly.com/article/64532440
23 citations

144 **Self-Assembly of Pluronic F127 Diacrylate in Ethylammonium Nitrate: Structure, Rheology, and Ionic Conductivity Before and After Photo-Cross-Linking**
Macromolecules · 49, 5179-5189
https://exaly.com/article/64653506
32 citations

Ordered by publication year, newest first

2016 / continued

145 The Medium Amplitude Oscillatory Shear of Semidilute Colloidal Dispersions. Part II: Third Harmonic Stress Contribution — 7 citations

Journal of Rheology · 60, 241-255

https://exaly.com/article/64973064

146 An Optimized Protocol for the Analysis of Time-Resolved Elastic Scattering Experiments — 29 citations

Soft Matter · 12, 2301-2308

https://exaly.com/article/65343526

147 Effect of Hierarchical Cluster Formation on the Viscosity of Concentrated Monoclonal Antibody Formulations Studied by Neutron Scattering — 114 citations

Journal of Physical Chemistry B · 120, 278-91

https://exaly.com/article/65624924

2015

148 Microstructure and Rheology Relationships for Shear Thickening Colloidal Dispersions — 86 citations

Journal of Fluid Mechanics · 769, 242-276

https://exaly.com/article/60115088

149 Short-Time Glassy Dynamics in Viscous Protein Solutions With Competing Interactions — 64 citations

Physical Review Letters · 115, 228302

https://exaly.com/article/60290553

150 Dynamic Bonds in Covalently Crosslinked Polymer Networks for Photoactivated Strengthening and Healing — 90 citations

Advanced Materials · 27, 8007-8010

https://exaly.com/article/60619541

151 Characterization of Lysozyme Adsorption in Cellulosic Chromatographic Materials Using Small-Angle Neutron Scattering — 12 citations

Journal of Chromatography A · 1399, 45-52

https://exaly.com/article/61935555

152 MMOD Puncture Resistance of EVA Suits With Shear Thickening Fluid (STF) – Armortm Absorber Layers — 32 citations

Procedia Engineering · 103, 97-104

https://exaly.com/article/62012713

153 The Use of Shear Thickening Nanocomposites in Impact Resistant Materials — 25 citations

Journal of Biomechanical Engineering · 137, 054504

https://exaly.com/article/62094533

Ordered by publication year, newest first

2015 / continued

154 Layering, Melting, and Recrystallization of a Close-Packed Micellar Crystal Under Steady and Large-Amplitude Oscillatory Shear Flows
37 citations
Journal of Rheology · 59, 793-820
https://exaly.com/article/62190303

155 Creating Nanoparticle Stability in Ionic Liquid [C4mim][BF4] by Inducing Solvation Layering
71 citations
ACS Nano · 9, 3243-53
https://exaly.com/article/62302271

156 Microstructure and Rheology of Soft to Rigid Shear-Thickening Colloidal Suspensions
81 citations
Journal of Rheology · 59, 1377-1395
https://exaly.com/article/62436494

157 Local Crystalline Structure in an Amorphous Protein Dense Phase
20 citations
Biophysical Journal · 109, 1716-1723
https://exaly.com/article/62441282

158 The Rheology and Microstructure of Branched Micelles Under Shear
60 citations
Journal of Rheology · 59, 1299-1328
https://exaly.com/article/62601758

159 Editorial for 2015 X-Ray, Neutron and Light Scattering Section of COCIS
0 citations
Current Opinion in Colloid and Interface Science · 20, 213-214
https://exaly.com/article/62716899

2014

160 Microstructural Evolution of a Model, Shear-Banding Micellar Solution During Shear Startup and Cessation
41 citations
Physical Review E · 89, 042301
https://exaly.com/article/58165515

161 Rheology of Branched Wormlike Micelles
138 citations
Current Opinion in Colloid and Interface Science · 19, 530-535
https://exaly.com/article/58211870

162 An Improved Method for Analyzing Isothermal Titration Calorimetry Data From Oppositely Charged Surfactant Polyelectrolyte Mixtures
27 citations
Journal of Chemical Thermodynamics · 68, 48-52
https://exaly.com/article/58691786

Ordered by publication year, newest first

2014 / continued

163 The Medium Amplitude Oscillatory Shear of Semi-Dilute Colloidal Dispersions. Part I: Linear Response and Normal Stress Differences
26 citations
Journal of Rheology · 58, 307-337
https://exaly.com/article/58831324

164 Generalized Phase Behavior of Cluster Formation in Colloidal Dispersions With Competing Interactions
134 citations
Soft Matter · 10, 5061-5071
https://exaly.com/article/59164451

165 Spatiotemporal Stress and Structure Evolution in Dynamically Sheared Polymer-Like Micellar Solutions
47 citations
Soft Matter · 10, 2889-2898
https://exaly.com/article/59168183

166 Triblock Copolymer Self-Assembly in Ionic Liquids: Effect of PEO Block Length on the Self-Assembly of PEO–PPO–PEO in Ethylammonium Nitrate
51 citations
Macromolecules · 47, 7484-7495
https://exaly.com/article/59195911

167 Material Properties of the Shear-Thickened State in Concentrated Near Hard-Sphere Colloidal Dispersions
120 citations
Journal of Rheology · 58, 949-967
https://exaly.com/article/59237951

168 Short-Time Diffusivity of Dicolloids
5 citations
Physical Review E · 89, 062311
https://exaly.com/article/59248029

169 Hydrodynamic Shear Thickening of Particulate Suspension Under Confinement
58 citations
Journal of Non-Newtonian Fluid Mechanics · 213, 39-49
https://exaly.com/article/59263769

170 The Microstructure and Rheology of a Model, Thixotropic Nanoparticle Gel Under Steady Shear and Large Amplitude Oscillatory Shear (LAOS)
96 citations
Journal of Rheology · 58, 1301-1328
https://exaly.com/article/59274429

171 Multilamellar Vesicle Formation From a Planar Lamellar Phase Under Shear Flow
49 citations
Langmuir · 30, 8316-25
https://exaly.com/article/59407360

Ordered by publication year, newest first

2014 / continued

172 Characterization of Cationic Polyelectrolytes Adsorption to an Anionic Emulsion via Zeta-Potential and Microcalorimetry
6 citations
Journal of Surfactants and Detergents · 17, 655-667
https://exaly.com/article/59499084

173 Spatially Resolved Concentration and Segmental Flow Alignment in a Shear-Banding Solution of Polymer-Like Micelles
27 citations
ACS Macro Letters · 3, 276-280
https://exaly.com/article/59573493

174 Shear Viscosity and Structural Scalings in Model Adhesive Hard-Sphere Gels
46 citations
Physical Review E · 89, 050302
https://exaly.com/article/59597812

175 Observation of Small Cluster Formation in Concentrated Monoclonal Antibody Solutions and Its Implications to Solution Viscosity
182 citations
Biophysical Journal · 106, 1763-1770
https://exaly.com/article/59624910

176 Nanovesicle Formation and Microstructure in Aqueous Ditallowethylesterdimethylammonium Chloride (DEEDMAC) Solutions
15 citations
Journal of Colloid and Interface Science · 429, 17-24
https://exaly.com/article/59679910

177 Measuring Material Microstructure Under Flow Using 1-2 Plane Flow-Small Angle Neutron Scattering
19 citations
Journal of Visualized Experiments
https://exaly.com/article/59943086

178 Measuring Material Microstructure Under Flow Using 1-2 Plane Flow-Small Angle Neutron Scattering
3 citations
Journal of Visualized Experiments
https://exaly.com/article/147416241

179 Macromolecular Diffusion and Release From Self-Assembled β-Hairpin Peptide Hydrogels
0 citations
Journal unavailable
https://exaly.com/article/225531076

2013

180 Small-Angle Neutron Scattering Characterization of Monoclonal Antibody Conformations and Interactions at High Concentrations
115 citations
Biophysical Journal · 105, 720-731
https://exaly.com/article/54913388

Ordered by publication year, newest first

2013 / continued

181 **Divergence in the Low Shear Viscosity for Brownian Hard-Sphere Dispersions: At Random Close Packing or the Glass Transition?**
64 citations
Journal of Rheology · 57, 1555-1567
https://exaly.com/article/55042815

182 **Influence of Surfactants on the Rheology and Stability of Crystallizing Fatty Acid Pastes**
10 citations
JAOCS, Journal of the American Oil Chemists' Society · 90, 273-283
https://exaly.com/article/55762752

183 **Photodirected Formation and Control of Wrinkles on a Thiol–Ene Elastomer**
47 citations
ACS Macro Letters · 2, 474-477
https://exaly.com/article/55948781

184 **Gel Transition in Adhesive Hard-Sphere Colloidal Dispersions: The Role of Gravitational Effects**
50 citations
Physical Review Letters · 110, 208302
https://exaly.com/article/55953036

185 **Uptake, Efflux, and Mass Transfer Coefficient of Fluorescent PAMAM Dendrimers Into Pancreatic Cancer Cells**
22 citations
Biochimica Et Biophysica Acta - Biomembranes · 1828, 294-301
https://exaly.com/article/55976350

186 **Two-Dimensional Directed Assembly of Dicolloids**
24 citations
Langmuir · 29, 75-81
https://exaly.com/article/56074488

187 **Universal Binding Behavior for Ionic Alkyl Surfactants With Oppositely Charged Polyelectrolytes**
62 citations
Journal of the American Chemical Society · 135, 17547-55
https://exaly.com/article/56089149

188 **Intermediate Range Order and Structure in Colloidal Dispersions With Competing Interactions**
76 citations
Journal of Chemical Physics · 139, 154904
https://exaly.com/article/56462948

189 **Dynamical Arrest in Adhesive Hard-Sphere Dispersions Driven by Rigidity Percolation**
64 citations
Physical Review E · 88, 060302
https://exaly.com/article/56732931

Ordered by publication year, newest first

2012

190 Comment on "Evaluation of Shear-Thickening-Fluid Kevlar for Large-Fragment-Containment Applications"
Journal of Aircraft · 49, 671-673
https://exaly.com/article/52621700
4 citations

191 Phase Behavior and Molecular Thermodynamics of Coacervation in Oppositely Charged Polyelectrolyte/Surfactant Systems: A Cationic Polymer JR 400 and Anionic Surfactant SDS Mixture
Langmuir · 28, 10348-62
https://exaly.com/article/53137245
97 citations

192 Directed Self-Assembly of Colloidal Crystals by Dielectrophoretic Ordering
Langmuir · 28, 4123-30
https://exaly.com/article/53518795
19 citations

193 Sponge-to-Lamellar Transition in a Double-Tail Cationic Surfactant/Protic Ionic Liquid System: Structural and Rheological Analysis
Journal of Physical Chemistry B · 116, 813-22
https://exaly.com/article/53556756
28 citations

194 Dynamics of Melting and Recrystallization in a Polymeric Micellar Crystal Subjected to Large Amplitude Oscillatory Shear Flow
Physical Review Letters · 108, 258301
https://exaly.com/article/53569876
63 citations

195 TDNMR Characterization of a Model Crystallizing Surfactant System
Colloids and Surfaces A: Physicochemical and Engineering Aspects · 406, 13-23
https://exaly.com/article/53655810
4 citations

196 Dynamical Arrest, Percolation, Gelation, and Glass Formation in Model Nanoparticle Dispersions With Thermoreversible Adhesive Interactions
Langmuir · 28, 1866-78
https://exaly.com/article/53754078
119 citations

197 Spontaneous Thermoreversible Formation of Cationic Vesicles in a Protic Ionic Liquid
Journal of the American Chemical Society · 134, 20728-32
https://exaly.com/article/53990460
52 citations

198 Structural Transitions of CTAB Micelles in a Protic Ionic Liquid
Langmuir · 28, 12722-30
https://exaly.com/article/54011178
47 citations

Ordered by publication year, newest first

2012 / continued

199 Large Amplitude Oscillatory Shear (LAOS) Measurements to Obtain Constitutive Equation Model Parameters: Giesekus Model of Banding and Nonbanding Wormlike Micelles

148 citations

Journal of Rheology · 56, 333-351

https://exaly.com/article/54016278

200 Scattering Techniques, 2012

0 citations

Current Opinion in Colloid and Interface Science · 17, 1-2

https://exaly.com/article/54505116

201 Emulsification of Concentrated Dispersions of Colloidal and Nanoparticles

0 citations

Journal unavailable

https://exaly.com/article/171741697

2011

202 On the Importance of Thermodynamic Self-Consistency for Calculating Clusterlike Pair Correlations in Hard-Core Double Yukawa Fluids

36 citations

Journal of Chemical Physics · 134, 064904

https://exaly.com/article/49954199

203 Colloidal Diffusion and Hydrodynamic Screening Near Boundaries

38 citations

Soft Matter · 7, 6844-6852

https://exaly.com/article/49996064

204 Dynamical Arrest Transition in Nanoparticle Dispersions With Short-Range Interactions

159 citations

Physical Review Letters · 106, 105704

https://exaly.com/article/50055803

205 The Morphology and Composition of Cholesterol-Rich Micellar Nanostructures Determine Transmembrane Protein (GPCR) Activity

41 citations

Biophysical Journal · 100, L11-L13

https://exaly.com/article/50074827

206 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

43 citations

Biophysical Journal · 101, 1938-1948

https://exaly.com/article/50075991

207 Colloidal Interactions Mediated by End-Adsorbing Polymer-Like Micelles

24 citations

Journal of Chemical Physics · 135, 084901

https://exaly.com/article/50168346

Ordered by publication year, newest first

2011 / continued

208 **Shear-Induced Phase Separation (SIPS) With Shear Banding in Solutions of Cationic Surfactant and Salt**
Journal of Rheology · 55, 1375-1397
https://exaly.com/article/50190387
27 citations

209 **Self-Aggregation of Mixtures of Oppositely Charged Polyelectrolytes and Surfactants Studied by Rheology, Dynamic Light Scattering and Small-Angle Neutron Scattering**
Langmuir · 27, 4386-96
https://exaly.com/article/50403320
89 citations

210 **General List of Symbols**
Journal unavailable
https://exaly.com/article/50475021
0 citations

211 **Useful Physical Constants and Values**
Journal unavailable
https://exaly.com/article/50475022
0 citations

212 **Advanced Topics**
Journal unavailable
https://exaly.com/article/50518587
0 citations

213 **Introduction to Colloid Science and Rheology**
Journal unavailable
https://exaly.com/article/50656727
6 citations

214 **Hydrodynamic Effects**
Journal unavailable
https://exaly.com/article/50656728
5 citations

215 **Brownian Hard Spheres**
Journal unavailable
https://exaly.com/article/50656729
0 citations

216 **Stable Systems**
Journal unavailable
https://exaly.com/article/50656730
0 citations

217 **Non-Spherical Particles**
Journal unavailable
https://exaly.com/article/50656731
4 citations

Ordered by publication year, newest first

2011 / continued

218 **Colloidal Attractions and Flocculated Dispersions** — 0 citations
Journal unavailable
https://exaly.com/article/50656732

219 **Thixotropy** — 10 citations
Journal unavailable
https://exaly.com/article/50656733

220 **Shear Thickening** — 0 citations
Journal unavailable
https://exaly.com/article/50656734

221 **Rheometry of Suspensions** — 2 citations
Journal unavailable
https://exaly.com/article/50656735

222 **Suspensions in Viscoelastic Media** — 1 citations
Journal unavailable
https://exaly.com/article/50656736

223 **Development of an in Situ Rheological Method to Characterize Fatty Acid Crystallization in Complex Fluids** — 13 citations
Colloids and Surfaces A: Physicochemical and Engineering Aspects · 388, 12-20
https://exaly.com/article/51153852

224 **Solvent Isotope Effect on the Microstructure and Rheology of Cationic Worm-Like Micelles Near the Isotropic-Nematic Transition** — 21 citations
Soft Matter · 7, 10856-10863
https://exaly.com/article/51202869

225 **Grand Canonical Monte Carlo Simulation of Adsorption of Nitrogen and Oxygen in Realistic Nanoporous Carbon Models** — 8 citations
AICHE Journal · 57, 1496-1505
https://exaly.com/article/51487733

226 **Phenomenological Modeling of the Response of a Dense Colloidal Suspension Under Dynamic Squeezing Flow** — 16 citations
Journal of Non-Newtonian Fluid Mechanics · 166, 680-688
https://exaly.com/article/51598912

227 **Colloidal Suspension Rheology** — 416 citations
Journal unavailable
https://exaly.com/article/84654631

Ordered by publication year, newest first

2011 / continued

228 Control of Rheological Behaviour With Oppositely Charged Polyelectrolyte Surfactant Mixtures
20 citations
Tenside, Surfactants, Detergents · 48, 488-494
https://exaly.com/article/88830956

229 Preface
0 citations
Journal unavailable
https://exaly.com/article/136117597

2010

230 Modeling the Crystallization of Proteins and Small Organic Molecules in Nanoliter Drops
18 citations
AICHE Journal · 56, 79-91
https://exaly.com/article/46037023

231 Investigating the Transient Response of a Shear Thickening Fluid Using the Split Hopkinson Pressure Bar Technique
81 citations
Rheologica Acta · 49, 879-890
https://exaly.com/article/47862636

232 A Systematic Study of Equilibrium Structure, Thermodynamics, and Rheology of Aqueous CTAB/NaNO3 Wormlike Micelles
81 citations
Journal of Colloid and Interface Science · 349, 1-12
https://exaly.com/article/48275351

233 An Experimental Investigation Into the Kinematics of a Concentrated Hard-Sphere Colloidal Suspension During Hopkinson Bar Evaluation at High Stresses
34 citations
Journal of Non-Newtonian Fluid Mechanics · 165, 1342-1350
https://exaly.com/article/48302226

234 The Effect of Protein Structure on Their Controlled Release From an Injectable Peptide Hydrogel
171 citations
Biomaterials · 31, 9527-9534
https://exaly.com/article/48352851

235 Indirect Fourier Transform and Model Fitting of Small Angle Neutron Scattering From Silica Nanoparticles
5 citations
Particle and Particle Systems Characterization · 27, 89-99
https://exaly.com/article/48413418

236 Physiologically Based Pharmacokinetics of Molecular Imaging Nanoparticles for mRNA Detection Determined in Tumor-Bearing Mice
27 citations
Oligonucleotides · 20, 117-25
https://exaly.com/article/48909388

Ordered by publication year, newest first

2010 / continued

237 Direct Observation of Flow-Concentration Coupling in a Shear-Banding Fluid
55 citations
Physical Review Letters · 105, 084501
https://exaly.com/article/48989402

238 Formation and Rheology of Viscoelastic “Double Networks” in Wormlike Micelle–Nanoparticle Mixtures
152 citations
Langmuir · 26, 8049-60
https://exaly.com/article/49310174

239 Calorimetric Study of the Adsorption of Poly(Ethylene Oxide) and Poly(Vinyl Pyrrolidone) Onto Cationic Nanoparticles
29 citations
Langmuir · 26, 6262-7
https://exaly.com/article/49328735

240 Poly(Ethylene Oxide) (PEO) and Poly(Vinyl Pyrolidone) (PVP) Induce Different Changes in the Colloid Stability of Nanoparticles
68 citations
Langmuir · 26, 13823-30
https://exaly.com/article/49370871

241 Temperature-Dependent Nanostructure of an End-Tethered Octadecane Brush in Tetradecane and Nanoparticle Phase Behavior
35 citations
Langmuir · 26, 3003-7
https://exaly.com/article/49402970

242 Directed Self-Assembly of Colloidal Crystals by Dielectrophoretic Ordering Observed With Small Angle Neutron Scattering (SANS)
20 citations
Soft Matter · 6, 5443-5450
https://exaly.com/article/49676322

243 Advanced Body Armor
0 citations
Journal unavailable
https://exaly.com/article/173427610

2009

244 Microstructure of Shear-Thickening Concentrated Suspensions Determined by Flow-USANS
125 citations
Rheologica Acta · 48, 897-908
https://exaly.com/article/46136451

245 The Future of Suspension Rheophysics: Comments on the 2008 Workshop
6 citations
Rheologica Acta · 48, 827-829
https://exaly.com/article/46136480

Ordered by publication year, newest first

2009 / continued

246 **Macromolecular Diffusion and Release From Self-Assembled β-Hairpin Peptide Hydrogels**
232 citations
Biomaterials · 30, 1339-1347
https://exaly.com/article/46435507

247 **Current Trends in Suspension Rheology**
124 citations
Journal of Non-Newtonian Fluid Mechanics · 157, 147-150
https://exaly.com/article/46488992

248 **Thixotropy**
1,113 citations
Advances in Colloid and Interface Science · 147, 214-227
https://exaly.com/article/46509914

249 **One- and Two-Dimensional Assembly of Colloidal Ellipsoids in Ac Electric Fields**
108 citations
Physical Review E · 79, 050401
https://exaly.com/article/46603944

250 **Relating Shear Banding, Structure, and Phase Behavior in Wormlike Micellar Solutions**
93 citations
Soft Matter · 5, 3858-3869
https://exaly.com/article/46865641

251 **Effect of Particle Hardness on the Penetration Behavior of Fabrics Intercalated With Dry Particles and Concentrated Particle−Fluid Suspensions**
184 citations
ACS Applied Materials & Interfaces · 1, 2602-12
https://exaly.com/article/46918393

252 **Directed Self-Assembly of Suspensions by Large Amplitude Oscillatory Shear Flow**
33 citations
Journal of Rheology · 53, 575-588
https://exaly.com/article/46930548

253 **Fast Dynamics of Semiflexible Chain Networks of Self-Assembled Peptides**
78 citations
Biomacromolecules · 10, 1374-80
https://exaly.com/article/46942135

254 **Microstructure and Shear Rheology of Entangled Wormlike Micelles in Solution**
71 citations
Journal of Rheology · 53, 441-458
https://exaly.com/article/47097734

255 **Rheology and Spatially Resolved Structure of Cetyltrimethylammonium Bromide Wormlike Micelles Through the Shear Banding Transition**
144 citations
Journal of Rheology · 53, 727-756
https://exaly.com/article/47097736

Ordered by publication year, newest first

2009 / continued

256 **Shear Thickening in Colloidal Dispersions** — 923 citations
Physics Today · 62, 27-32
https://exaly.com/article/47223665

257 **Advanced Body Armor Utilizing Shear Thickening Fluids** — 10 citations
Journal unavailable
https://exaly.com/article/179628603

2008

258 **Design of (Gd-DO3A)n-Polydiamidopropanoyl-Peptide Nucleic Acid-D(Cys-Ser-Lys-Cys) Magnetic Resonance Contrast Agents** — 37 citations
Biopolymers · 89, 1061-1076
https://exaly.com/article/43432092

259 **Theory and Kinematic Measurements of the Mechanics of Stable Electrospun Polymer Jets** — 114 citations
Polymer · 49, 2924-2936
https://exaly.com/article/43459760

260 **How Colloidal Dispersions Relax Under Stress** — 2 citations
Physics Magazine
https://exaly.com/article/43843266

261 **Spatially-Resolved Microstructure in Shear Banding Wormlike Micellar Solutions** — 0 citations
AIP Conference Proceedings · 1027, 201-203
https://exaly.com/article/43930849

262 **Effects of Particle Hardness on Shear Thickening Colloidal Suspension Rheology** — 10 citations
AIP Conference Proceedings · 1027, 1408-1410
https://exaly.com/article/44165589

263 **Influence of Nanoparticle Addition on the Properties of Wormlike Micellar Solutions** — 139 citations
Langmuir · 24, 7718-26
https://exaly.com/article/44369487

264 **Simultaneous Light Scattering-Rheology Measurements for Studying Stress Induced Phase Transitions** — 1 citations
AIP Conference Proceedings · 1027, 1147-1149
https://exaly.com/article/44572593

265 **Convective Heat and Mass Transfer** — 0 citations
Journal unavailable
https://exaly.com/article/45117000

Ordered by publication year, newest first

2008 / continued

266 To the Student
Journal unavailable
https://exaly.com/article/45117010
0 citations

267 Chemical Reactor Analysis
Journal unavailable
https://exaly.com/article/45117854
7 citations

268 Mass Contactor Analysis
Journal unavailable
https://exaly.com/article/45117855
0 citations

269 Conduction and Diffusion
Journal unavailable
https://exaly.com/article/45117856
0 citations

270 Instructors' and Readers' Guide
Journal unavailable
https://exaly.com/article/45117901
0 citations

271 Mass and Heat Transfer
Journal unavailable
https://exaly.com/article/45117902
1 citations

272 Introduction
Journal unavailable
https://exaly.com/article/45117903
0 citations

273 Heat Exchanger Analysis
Journal unavailable
https://exaly.com/article/45117904
1 citations

274 Part II
Journal unavailable
https://exaly.com/article/45117905
0 citations

275 Estimation of the Mass Transfer Coefficient and Interfacial Area in Fluid–Fluid Mass Contactors
Journal unavailable
https://exaly.com/article/45117906
0 citations

276 Technically Feasible Design Case Studies
Journal unavailable
https://exaly.com/article/45117907
0 citations

Ordered by publication year, newest first

2008 / continued

277 Mass and Heat Transfer: Analysis of Mass Contactors and Heat Exchangers
16 citations
Journal unavailable
https://exaly.com/article/84652401

278 Preface
0 citations
Journal unavailable
https://exaly.com/article/136114442

279 Shear Thickening Fluid Containment in Polymer Composites
0 citations
Journal unavailable
https://exaly.com/article/168277289

2007

280 Radiohybridization PET Imaging of KRAS G12D mRNA Expression in Human Pancreas Cancer Xenografts With [64Cu]DO3A-Peptide Nucleic Acid-Peptide Nanoparticles
46 citations
Cancer Biology and Therapy · 6, 948-56
https://exaly.com/article/41447571

281 Viscoelasticity and Shear Melting of Colloidal Star Polymer Glasses
116 citations
Journal of Rheology · 51, 297-316
https://exaly.com/article/42181401

282 Fast Dynamics of Wormlike Micellar Solutions
42 citations
Langmuir · 23, 5267-9
https://exaly.com/article/42188174

283 A Correlation for the Diameter of Electrospun Polymer Nanofibers
43 citations
AICHE Journal · 53, 51-55
https://exaly.com/article/42601627

284 Poly(Propylene Imine) Dendrimers as Plasticizers for Polyvinyl Chloride
11 citations
Journal of Polymer Science, Part B: Polymer Physics · 45, 1970-1975
https://exaly.com/article/42792032

285 Crystallization of Alpha-Lactose Monohydrate in a Drop-Based Microfluidic Crystallizer
81 citations
Chemical Engineering Science · 62, 4802-4810
https://exaly.com/article/43181589

286 Advanced Body Armor Utilizing Shear Thickening Fluids
10 citations
Journal unavailable
https://exaly.com/article/225524344

Ordered by publication year, newest first

2006

287 **Rheo-SANS Investigation of Acicular-Precipitated Calcium Carbonate Colloidal Suspensions Through the Shear Thickening Transition** — 69 citations

Journal of Rheology · 50, 685-709

https://exaly.com/article/39514737

288 **Rheological Properties and Small-Angle Neutron Scattering of a Shear Thickening, Nanoparticle Dispersion at High Shear Rates** — 101 citations

Industrial & Engineering Chemistry Research · 45, 7015-7024

https://exaly.com/article/39741905

289 **Electrospinning of Neat and Laponite-Filled Aqueous Poly(Ethylene Oxide) Solutions** — 34 citations

Journal of Polymer Science, Part B: Polymer Physics · 44, 1608-1617

https://exaly.com/article/40324905

290 **Structural Investigations of Poly(Amido Amine) Dendrimers in Methanol Using Molecular Dynamics** — 46 citations

Journal of Polymer Science, Part B: Polymer Physics · 44, 3062-3077

https://exaly.com/article/40325061

291 **Linear Viscoelastic Master Curves of Neat and Laponite-Filled Poly(Ethylene Oxide)–Water Solutions** — 60 citations

Rheologica Acta · 45, 813-824

https://exaly.com/article/40661535

292 **Spatially Resolved Small-Angle Neutron Scattering in the 1-2 Plane: A Study of Shear-Induced Phase-Separating Wormlike Micelles** — 81 citations

Physical Review E · 73, 020504

https://exaly.com/article/41166150

293 **Stab Resistance of Shear Thickening Fluid (STF)–Kevlar Composites for Body Armor Applications** — 37 citations

Journal unavailable

https://exaly.com/article/86097317

2005

294 **Porous Amorphous Carbon Models From Periodic Gaussian Chains of Amorphous Polymers** — 60 citations

Carbon · 43, 3099-3111

https://exaly.com/article/38097496

Ordered by publication year, newest first

2005 / continued

295 Perikinetische und orthokinetische Aggregationskinetik einer nanoskaligen Modelldispersion mit Anwendung in der Zerkleinerung in Rührwerkskugelmühlen
0 citations
Chemie-Ingenieur-Technik · 77, 1218-1219
https://exaly.com/article/38389759

296 Influence of Medium Viscosity and Adsorbed Polymer on the Reversible Shear Thickening Transition in Concentrated Colloidal Dispersions
74 citations
Rheologica Acta · 44, 360-371
https://exaly.com/article/38453173

297 The Rheology and Microstructure of Acicular Precipitated Calcium Carbonate Colloidal Suspensions Through the Shear Thickening Transition
211 citations
Journal of Rheology · 49, 719-746
https://exaly.com/article/39114448

298 The Influence of Weak Attractive Forces on the Microstructure and Rheology of Colloidal Dispersions
29 citations
Journal of Rheology · 49, 475-499
https://exaly.com/article/39460855

299 Letter to the Editor: Comment on “Effect of Attractions on Shear Thickening in Dense Suspensions” [J. Rheology 48, 1321 (2004)]
8 citations
Journal of Rheology · 49, 799-803
https://exaly.com/article/39465633

300 Shear Thickening in Polymer Stabilized Colloidal Dispersions
55 citations
Journal of Rheology · 49, 1347-1360
https://exaly.com/article/39465660

2004

301 Yarn Pull-Out as a Mechanism for Dissipating Ballistic Impact Energy in Kevlar® KM-2 Fabric
109 citations
Textile Reseach Journal · 74, 939-948
https://exaly.com/article/36464848

302 The Role of Nanoscale Forces in Colloid Dispersion Rheology
37 citations
MRS Bulletin · 29, 100-106
https://exaly.com/article/36571850

303 The Effect of Rheological Parameters on the Ballistic Properties of Shear Thickening Fluid (STF)-Kevlar Composites
116 citations
AIP Conference Proceedings · 712, 288-293
https://exaly.com/article/36723382

Ordered by publication year, newest first

2004 / continued

304 The Shear Viscosity of Polyampholyte (Gelatin) Stabilized Colloidal Dispersions
Journal of Colloid and Interface Science · 280, 264-275
https://exaly.com/article/37194920
16 citations

305 Yarn Pull-Out as a Mechanism for Dissipating Ballistic Impact Energy in Kevlar® KM-2 Fabric
Textile Reseach Journal · 74, 920-928
https://exaly.com/article/37288820
153 citations

306 Shear-Induced Phase Separation in Solutions of Wormlike Micelles
Langmuir · 20, 3564-73
https://exaly.com/article/37318573
89 citations

307 Adsorption and Diffusion of Molecular Nitrogen in Single Wall Carbon Nanotubes
Langmuir · 20, 6268-77
https://exaly.com/article/37424784
78 citations

308 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
Physical Chemistry Chemical Physics · 6, 4440-4444
https://exaly.com/article/37561084
24 citations

2003

309 The Ballistic Impact Characteristics of Kevlar® Woven Fabrics Impregnated With a Colloidal Shear Thickening Fluid
Journal of Materials Science · 38, 2825-2833
https://exaly.com/article/34869842
839 citations

310 E-FiRST: Electric Field Responsive Shear Thickening Fluids
Rheologica Acta · 42, 287-294
https://exaly.com/article/34963414
28 citations

311 Dynamic Properties of Shear Thickening Colloidal Suspensions
Rheologica Acta · 42, 199-208
https://exaly.com/article/34963415
309 citations

312 Heteroflocculation of Binary Latex Dispersions of Similar Chemistry but Varying Size
Journal of Colloid and Interface Science · 268, 380-393
https://exaly.com/article/35097929
19 citations

Ordered by publication year, newest first

2003 / continued

313 Phase Behavior of Hybrid Dendron-Linear Copolymers and Blends With Linear Homopolymer — 6 citations
Comptes Rendus Chimie · 6, 853-864
https://exaly.com/article/35101288

314 The Microstructure and Rheology of Mixed Cationic/Anionic Wormlike Micelles — 304 citations
Langmuir · 19, 4079-4089
https://exaly.com/article/35379189

315 Influence of End Groups on Dendrimer Rheology and Conformation — 51 citations
Macromolecules · 36, 4619-4623
https://exaly.com/article/35449571

316 Characterizing Complex Fluids With High Frequency Rheology Using Torsional Resonators at Multiple Frequencies — 75 citations
Journal of Rheology · 47, 303-319
https://exaly.com/article/35573255

317 Formation of Multilamellar Vesicles by Oscillatory Shear — 23 citations
Langmuir · 19, 8709-8714
https://exaly.com/article/35595354

318 Fundamentals of Aggregation in Concentrated Dispersions: Fiber-Optic Quasielastic Light Scattering and Linear Viscoelastic Measurements — 29 citations
Faraday Discussions · 123, 369-383
https://exaly.com/article/35621702

319 Title unavailable — 0 citations
Journal unavailable
https://exaly.com/article/123802630

2002

320 Microphase Separation of Hybrid Dendron−Linear Diblock Copolymers Into Ordered Structures — 70 citations
Macromolecules · 35, 8391-8399
https://exaly.com/article/34024850

321 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. Chem. Eng. Data1999, 44, 613−620) — 6 citations
Journal of Chemical & Engineering Data · 47, 376-377
https://exaly.com/article/34025043

Ordered by publication year, newest first

2002 / continued

322 Flow-Small Angle Neutron Scattering Measurements of Colloidal Dispersion Microstructure Evolution Through the Shear Thickening Transition
278 citations
Journal of Chemical Physics · 117, 10291-10302
https://exaly.com/article/34189911

323 Electrosteric Stabilization of Colloidal Dispersions
371 citations
Langmuir · 18, 6381-6390
https://exaly.com/article/34303930

324 Techniques/Scattering
0 citations
Current Opinion in Colloid and Interface Science · 7, 193-195
https://exaly.com/article/34603138

2001

325 Plasmon Resonance Measurements of the Adsorption and Adsorption Kinetics of a Biopolymer Onto Gold Nanocolloids
101 citations
Langmuir · 17, 957-960
https://exaly.com/article/32294143

326 The Effects of Particle Size on Reversible Shear Thickening of Concentrated Colloidal Dispersions
380 citations
Journal of Chemical Physics · 114, 10514-10527
https://exaly.com/article/32295059

327 The Effects of Interparticle Interactions and Particle Size on Reversible Shear Thickening: Hard-Sphere Colloidal Dispersions
313 citations
Journal of Rheology · 45, 1205-1222
https://exaly.com/article/32297270

328 Electrolyte-Induced Aggregation of Acrylic Latex. 1. Dilute Particle Concentrations
91 citations
Langmuir · 17, 3136-3147
https://exaly.com/article/32329653

329 Rheology of Polyampholyte (Gelatin)-Stabilized Colloidal Dispersions: The Tertiary Electroviscous Effect
18 citations
Journal of Rheology · 45, 451-466
https://exaly.com/article/32335726

330 Influence of Polymer Motion, Topology and Simulation Size on Penetrant Diffusion in Amorphous, Glassy Polymers: Diffusion of Helium in Polypropylene
33 citations
Macromolecules · 34, 6107-6116
https://exaly.com/article/32566422

Ordered by publication year, newest first

2001 / continued

331 Viscosimetric, Hydrodynamic, and Conformational Properties of Dendrimers and Dendrons
160 citations
Macromolecules · 34, 8580-8585
https://exaly.com/article/32578909

332 The Smoluchowski Equation for Colloidal Suspensions Developed and Analyzed Through the GENERIC Formalism
17 citations
Journal of Non-Newtonian Fluid Mechanics · 96, 177-201
https://exaly.com/article/32941331

333 Effect of Gravity on Colloidal Deposition Studied by Atomic Force Microscopy
32 citations
Journal of Colloid and Interface Science · 240, 9-16
https://exaly.com/article/33058614

334 Superposition Rheology
33 citations
Physical Review E · 63, 021406
https://exaly.com/article/33542937

2000

335 Structure and Rheology of Hyperbranched and Dendritic Polymers. I. Modification and Characterization of Poly(Propyleneimine) Dendrimers With Acetyl Groups
48 citations
Journal of Polymer Science, Part B: Polymer Physics · 38, 857-873
https://exaly.com/article/31268718

336 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
17 citations
Journal of Polymer Science, Part B: Polymer Physics · 38, 874-882
https://exaly.com/article/31268719

337 Thermodynamic Properties and Rheology of Sterically Stabilized Colloidal Dispersions
24 citations
Rheologica Acta · 39, 483-494
https://exaly.com/article/31629850

338 Colloidal Stabilization by Adsorbed Gelatin
90 citations
Langmuir · 16, 4100-4108
https://exaly.com/article/32195743

339 Polyampholyte Gelatin Adsorption to Colloidal Latex: pH and Electrolyte Effects on Acrylic and Polystyrene Latices
17 citations
Biomacromolecules · 1, 466-72
https://exaly.com/article/32204677

Ordered by publication year, newest first

2000 / continued

340 Surface Charge of 3-(Trimethoxysilyl) Propyl Methacrylate (TPM) Coated Stöber Silica Colloids by Zeta-Phase Analysis Light Scattering and Small Angle Neutron Scattering

Langmuir · 16, 10556-10558

https://exaly.com/article/32252250

27 citations

341 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 · 38, 857

https://exaly.com/article/83033400

2 citations

1999

342 Generalized Doi–Ohta Model for Multiphase Flow Developed via Generic

AICHE Journal · 45, 1169-1181

https://exaly.com/article/30613568

62 citations

343 The Role of Liquid-Crystalline Polymer Rheology on the Evolving Morphology of Immiscible Blends Containing Liquid-Crystalline Polymers

Journal of Rheology · 43, 521-549

https://exaly.com/article/30661683

25 citations

344 Gelatin Adsorption at the Air/Water Interface as Investigated by X-Ray Reflectivity

Langmuir · 15, 4685-4689

https://exaly.com/article/30846704

17 citations

345 Molecular Dynamics Simulation of Penetrant Diffusion in Amorphous Polypropylene: Diffusion Mechanisms and Simulation Size Effects

Macromolecules · 32, 5017-5028

https://exaly.com/article/30883263

86 citations

346 Transient Viscosity and Molecular Order of a Thermotropic Polyester LCP in Uniaxial Elongational Flow

Macromolecules · 32, 1159-1166

https://exaly.com/article/30888634

13 citations

1998

347 Rheo-Optics

Current Opinion in Colloid and Interface Science · 3, 391-400

https://exaly.com/article/28927946

37 citations

Ordered by publication year, newest first

1998 / continued

348 Structure and Extent of Adsorbed Gelatin on Acrylic Latex and Polystyrene Colloidal Particles
60 citations
Journal of Colloid and Interface Science · 205, 131-140
https://exaly.com/article/28996990

349 Correlation of the Minor-Phase Orientation to the Flow-Induced Morphological Transitions in Thermotropic Liquid Crystalline Polymer/PBT Blends
17 citations
Journal of Polymer Science, Part B: Polymer Physics · 36, 1769-1780
https://exaly.com/article/29015585

350 Relationship Between Short-Time Self-Diffusion and High-Frequency Viscosity in Charge-Stabilized Dispersions
48 citations
Physical Review E · 58, R4088
https://exaly.com/article/29585653

351 High Frequency Viscoelasticity of Concentrated Colloidal Dispersions
0 citations
Journal unavailable
https://exaly.com/article/106304700

352 Correlation of the Minor-Phase Orientation to the Flow-Induced Morphological Transitions in Thermotropic Liquid Crystalline Polymer/PBT Blends
0 citations
Journal of Polymer Science, Part B: Polymer Physics · 36, 1769-1780
https://exaly.com/article/148069051

1997

353 In Situ Analysis of the Defect Texture in Liquid Crystal Polymer Solutions Under Shear
47 citations
Macromolecules · 30, 508-514
https://exaly.com/article/28180247

354 Molecular Simulation of Glassy Polystyrene: Size Effects on Gas Solubilities
60 citations
Macromolecules · 30, 3058-3065
https://exaly.com/article/28207224

355 Grand Canonical Brownian Dynamics Simulation of Colloidal Adsorption
108 citations
Journal of Chemical Physics · 107, 9157-9167
https://exaly.com/article/28218105

356 Accurate Simulation of Linear Viscoelastic Properties by Variance Reduction Through the Use of Control Variates
18 citations
Journal of Rheology · 41, 757-768
https://exaly.com/article/28255658

Ordered by publication year, newest first

1997 / continued

357 Quantitative Predictions of Suspension Rheology by Nonequilibrium Brownian Dynamics and Hydrodynamic Preaveraging — 4 citations

Journal of Rheology · 41, 893-899

https://exaly.com/article/28255664

1996

358 Building Large Amorphous Polymer Structures: Atomistic Simulation of Glassy Polystyrene — 75 citations

Macromolecules · 29, 8497-8506

https://exaly.com/article/26735317

359 SANS Analysis of the Molecular Order in Poly(γ-Benzyl l-Glutamate)/Deuterated Dimethylformamide (PBLG/d-DMF) Under Shear and During Relaxation — 67 citations

Macromolecules · 29, 2298-2301

https://exaly.com/article/26745107

360 Formation of AOT/Brine Multilamellar Vesicles — 125 citations

Langmuir · 12, 3122-3126

https://exaly.com/article/26888647

361 Reversible Shear Thickening in Monodisperse and Bidisperse Colloidal Dispersions — 459 citations

Journal of Rheology · 40, 899-916

https://exaly.com/article/27169782

362 A Parallel Algorithm for Lees-Edwards Boundary Conditions — 1 citations

Parallel Computing · 22, 895-901

https://exaly.com/article/27226641

363 A Rheological and Morphological Study of a Copolyester Liquid Crystal/Polypropylene Blend System — 18 citations

Journal of Polymer Science, Part B: Polymer Physics · 34, 2433-2445

https://exaly.com/article/27464916

364 Microstructure and Rheology of Polydisperse, Charged Suspensions — 34 citations

Journal of Chemical Physics · 104, 9249-9258

https://exaly.com/article/27570493

365 Formation of a Highly Ordered Colloidal Microstructure Upon Flow Cessation From High Shear Rates — 37 citations

Physical Review Letters · 77, 2117

https://exaly.com/article/27572592

Ordered by publication year, newest first

1996 / continued

366 Rheology, Self-Diffusion, and Microstructure of Charged Colloids Under Simple Shear by Massively Parallel Nonequilibrium Brownian Dynamics — 72 citations

Journal of Chemical Physics · 104, 9234-9248

https://exaly.com/article/27581964

367 Thermodynamic Self-Consistency Criterion in the Mixed Integral Equation Theory of Liquid Structure — 5 citations

Physical Review E · 53, 2968

https://exaly.com/article/27583384

1995

368 Optical Measurement of the Contributions of Colloidal Forces to the Rheology of Concentrated Suspensions — 278 citations

Journal of Colloid and Interface Science · 172, 171-184

https://exaly.com/article/25849308

369 Telescoping Fast Multipole Methods Using Chebyshev Economization — 8 citations

Journal of Computational Physics · 122, 317-322

https://exaly.com/article/25849821

370 Viscosity, Microstructure, and Interparticle Potential of AOT/H2O/n-Decane Inverse Microemulsions — 83 citations

Langmuir · 11, 1559-1570

https://exaly.com/article/26427631

371 Structure of Isotropic Solutions of Rigid Macromolecules via Small-Angle Neutron Scattering: Poly(.gamma.-Benzyl L-Glutamate)/Deuterated Dimethylformamide — 16 citations

Macromolecules · 28, 5075-5081

https://exaly.com/article/26428514

372 The Rheology of Highly Concentrated PBLG Solutions — 74 citations

Journal of Rheology · 39, 925-952

https://exaly.com/article/26572440

1994

373 Self-Consistent Solution for the Generalized Hydrodynamics Model of Suspension Dynamics: Comparison of Theory With Rheological and Optical Measurements — 21 citations

Physical Review E · 49, 376

https://exaly.com/article/24947802

Ordered by publication year, newest first

1994 / continued

374 Rheology of Region I Flow in a Lyotropic Liquid-Crystal Polymer: The Effects of Defect Texture
101 citations
Journal of Rheology · 38, 1525-1547
https://exaly.com/article/25229450

375 The Viscosity of Bimodal and Polydisperse Suspensions of Hard Spheres in the Dilute Limit
65 citations
Journal of Fluid Mechanics · 278, 267-287
https://exaly.com/article/25255929

376 Guest Editorial: Proceedings of the Boston Symposia on Experimental Techniques
0 citations
Journal of Rheology · 38, 1069
https://exaly.com/article/25282429

377 The Huggins Coefficient for the Square-Well Colloidal Fluid
41 citations
Industrial & Engineering Chemistry Research · 33, 2391-2397
https://exaly.com/article/25445305

378 Determination of the Texture Viscosity and Elasticity of a Nematic PBLG/d-DMF Solution Through Magnetic Field Alignment
17 citations
Macromolecules · 27, 5979-5986
https://exaly.com/article/25446873

379 Rheology and Shear-Ordering in Suspensions by Massively Parallel Nonequilibrium Brownian Dynamics
0 citations
Journal unavailable
https://exaly.com/article/207003505

1993

380 The High-Frequency Shear Modulus of Colloidal Suspensions and the Effects of Hydrodynamic Interactions
60 citations
Journal of Colloid and Interface Science · 161, 169-181
https://exaly.com/article/23722664

1992

381 Analysis of Nonequilibrium Structures of Shearing Colloidal Suspensions
51 citations
Journal of Chemical Physics · 97, 1473-1483
https://exaly.com/article/22952204

382 Massively Parallel Molecular Dynamics Simulations of Two-Dimensional Materials at High Strain Rates
4 citations
Materials Research Society Symposia Proceedings · 291, 91-96
https://exaly.com/article/23001107

Ordered by publication year, newest first

1992 / continued

383 **Shear Thinning Properties of Dense Suspensions: Rheology and Flow Dichroism** — 0 citations
Materials Research Society Symposia Proceedings · 289, 81-86
https://exaly.com/article/23087070

384 **Molecular-Dynamics Simulations of Two-Dimensional Materials at High Strain Rates** — 88 citations
Physical Review A · 45, 8457
https://exaly.com/article/23180406

385 **Assessment of Activated Carbon Stability Toward Adsorbed Organics** — 18 citations
Industrial & Engineering Chemistry Research · 31, 339-346
https://exaly.com/article/23323600

386 **The Microstructure of Shearing Liquid Crystal Polymers** — 1 citations
Journal unavailable
https://exaly.com/article/104901973

387 **Predictions for the Viscoelasticity of Dispersions of Charged, Brownian Spheres Through Generalized Hydrodynamics** — 0 citations
Journal unavailable
https://exaly.com/article/104902027

1991

388 **The Microstructure of Polydisperse, Charged Colloidal Suspensions by Light and Neutron Scattering** — 72 citations
Journal of Chemical Physics · 95, 494-508
https://exaly.com/article/22148360

389 **Rheological and Optical Properties of Shearing Colloidal Suspensions by Polarized Light Spectroscopy** — 0 citations
Materials Research Society Symposia Proceedings · 248, 269-274
https://exaly.com/article/22350538

390 **The Rheology and Microstructure of Charged Colloidal Suspensions** — 27 citations
Colloid and Polymer Science · 269, 295-319
https://exaly.com/article/22588571

391 **The Birefringence of Shearing Colloidal Suspensions** — 3 citations
Journal of Chemical Physics · 94, 6931-6932
https://exaly.com/article/22708423

392 **Effects of Pairwise Versus Many-Body Forces on High-Stress Plastic Deformation** — 113 citations
Physical Review A · 43, 2655
https://exaly.com/article/22711959

Ordered by publication year, newest first

1990

393 **Light Scattering Measurements of a Hard-Sphere Suspension Under Shear** — 58 citations

Physics of Fluids A, Fluid Dynamics · 2, 491-502

https://exaly.com/article/21082771

1989

394 **Comparison of Small Shear Flow Rate–Small Wave Vector Static Structure Factor Data With Theory** — 21 citations

Journal of Chemical Physics · 90, 3250-3253

https://exaly.com/article/20370438

395 **Nonequilibrium Statistical Mechanics of Concentrated Colloidal Dispersions: Hard Spheres in Weak Flows With Many-Body Thermodynamic Interactions** — 85 citations

Physica A: Statistical Mechanics and Its Applications · 155, 475-518

https://exaly.com/article/20540720

396 **Numerical Simulations of Eccentricity and End Effects in Falling Ball Rheometry** — 15 citations

Journal of Rheology · 33, 1107-1128

https://exaly.com/article/20796964

397 **Charge and Size Polydispersity Effects on the Scattering Properties and the High-Frequency Elasticity of Colloids** — 5 citations

Materials Research Society Symposia Proceedings · 177, 219-224

https://exaly.com/article/20966127

1988

398 **The Dichroism and Birefringence of a Hard-Sphere Suspension Under Shear** — 42 citations

Journal of Chemical Physics · 89, 1580-1587

https://exaly.com/article/19887769

1987

399 **Thermal Desorption Behavior of Aliphatic and Aromatic Hydrocarbons Loaded on Activated Carbon** — 14 citations

Industrial & Engineering Chemistry Research · 26, 1540-1545

https://exaly.com/article/19209961

1984

400 **Evidence of Metal–Support Interaction for an Ni/TiO2–SiO2 Catalyst** — 14 citations

Journal of the Chemical Society Chemical Communications

https://exaly.com/article/17163786

Ordered by publication year, newest first

1983

401 **Activity and Selectivity of a Niobia (Nb2O5)-Supported Nickel Catalyst in CO Hydrogenation**

16 citations

Journal of the Chemical Society Chemical Communications

https://exaly.com/article/16285221

End of list · 401 articles. Citation counts use Exaly’s peer-reviewed cohort.