

Gerald Fuller

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215
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235
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8,196
ext. citations

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L-index

#	Paper	IF	Citations
215	Pickering emulsions with controllable stability. <i>Langmuir</i> , 2005 , 21, 2158-62	4	318
214	An Interfacial Stress Rheometer To Study Rheological Transitions in Monolayers at the Air/Water Interface. <i>Langmuir</i> , 1999 , 15, 2450-2459	4	296
213	Interfacial Rheology of Globular and Flexible Proteins at the Hexadecane/Water Interface: Comparison of Shear and Dilatation Deformation. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 3835-3844	3.4	222
212	A double wall-ring geometry for interfacial shear rheometry. <i>Rheologica Acta</i> , 2010 , 49, 131-144	2.3	218
211	Complex fluid-fluid interfaces: rheology and structure. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2012 , 3, 519-43	8.9	202
210	Shearing or compressing a soft glass in 2D: time-concentration superposition. <i>Physical Review Letters</i> , 2003 , 90, 236101	7.4	143
209	Packing, flipping, and buckling transitions in compressed monolayers of ellipsoidal latex particles. <i>Langmuir</i> , 2006 , 22, 6605-12	4	142
208	Shear and dilatational relaxation mechanisms of globular and flexible proteins at the hexadecane/water interface. <i>Langmuir</i> , 2004 , 20, 10159-67	4	140
207	Extensional Viscosity Measurements for Low-Viscosity Fluids. <i>Journal of Rheology</i> , 1987 , 31, 235-249	4.1	139
206	Microstructure evolution in magnetorheological suspensions governed by Mason number. <i>Physical Review E</i> , 2003 , 68, 041503	2.4	128
205	Analysis of the magnetic rod interfacial stress rheometer. <i>Journal of Rheology</i> , 2008 , 52, 261-285	4.1	122
204	Coalescence of particle-laden fluid interfaces. <i>Langmuir</i> , 2004 , 20, 90-4	4	120
203	Shear and Dilational Surface Rheology of Oppositely Charged Polyelectrolyte/Surfactant Microgels Adsorbed at the Air/Water Interface. Influence on Foam Stability. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 16473-16482	3.4	117
202	Nonmonotonic Elasticity of the Crude Oil-Brine Interface in Relation to Improved Oil Recovery. <i>Langmuir</i> , 2016 , 32, 2192-8	4	103
201	Optical Rheometry. <i>Annual Review of Fluid Mechanics</i> , 1990 , 22, 387-417	22	101
200	Shape and buckling transitions in solid-stabilized drops. <i>Langmuir</i> , 2005 , 21, 10016-20	4	100
199	Structure and dynamics of magnetorheological fluids in rotating magnetic fields. <i>Physical Review E</i> , 2000 , 61, 4111-7	2.4	92

198	Time-periodic flow induced structures and instabilities in a viscoelastic surfactant solution. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1998 , 75, 193-208	2.7	88
197	Structure and rheology of wormlike micelles. <i>Rheologica Acta</i> , 1996 , 35, 139-149	2.3	88
196	Transient shear flow of nematic liquid crystals: Manifestations of director tumbling. <i>Journal of Rheology</i> , 1990 , 34, 959-992	4.1	88
195	Connect the drops: using solids as adhesives for liquids. <i>Langmuir</i> , 2004 , 20, 4805-8	4	87
194	Time-dependent small-angle light scattering of shear-induced concentration fluctuations in polymer solutions. <i>Journal of Chemical Physics</i> , 1992 , 96, 7742-7757	3.9	87
193	Interaction of human whole saliva and astringent dietary compounds investigated by interfacial shear rheology. <i>Food Hydrocolloids</i> , 2008 , 22, 1068-1078	10.6	84
192	Flow-Induced Anisotropy and Reversible Aggregation in Two-Dimensional Suspensions. <i>Langmuir</i> , 2003 , 19, 9134-9141	4	80
191	Structure and dynamics of a polymer solution subject to flow-induced phase separation. <i>Rheologica Acta</i> , 1991 , 30, 89-97	2.3	71
190	Note: A Note on Phase-Modulated Flow Birefringence: A Promising Rheo-Optical Method. <i>Journal of Rheology</i> , 1984 , 28, 61-70	4.1	70
189	Viscoelastic Properties of Lipopolymers at the Air/Water Interface: A Combined Interfacial Stress Rheometer and Film Balance Study. <i>Langmuir</i> , 1999 , 15, 7752-7761	4	68
188	Determining the mechanical response of particle-laden fluid interfaces using surface pressure isotherms and bulk pressure measurements of droplets. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 6344-50	3.6	67
187	Lung surfactants and different contributions to thin film stability. <i>Soft Matter</i> , 2015 , 11, 8048-57	3.6	66
186	The modulation of endothelial cell morphology, function, and survival using anisotropic nanofibrillar collagen scaffolds. <i>Biomaterials</i> , 2013 , 34, 4038-4047	15.6	66
185	Note: Optical Rheometry Using a Rotary Polarization Modulator. <i>Journal of Rheology</i> , 1989 , 33, 761-769	4.1	66
184	Rheo-Optical Studies of Shear-Induced Structures in Semidilute Polystyrene Solutions. <i>Macromolecules</i> , 1997 , 30, 7232-7236	5.5	65
183	In-situ quantification of the interfacial rheological response of bacterial biofilms to environmental stimuli. <i>PLoS ONE</i> , 2013 , 8, e78524	3.7	64
182	Rheological and Thermal Properties of Elastomeric Polypropylene. <i>Macromolecules</i> , 1998 , 31, 5343-5351	15.5	61
181	Quantitative analysis of amyloid-integrated biofilms formed by uropathogenic <i>Escherichia coli</i> at the air-liquid interface. <i>Biophysical Journal</i> , 2012 , 103, 464-471	2.9	58

180	Structure and Dynamics of Particle Monolayers at a Liquid-Liquid Interface Subjected to Extensional Flow. <i>Langmuir</i> , 2002 , 18, 4372-4375	4	58
179	Anisotropy and Orientation of the Microstructure in Viscous Emulsions during Shear Flow. <i>Langmuir</i> , 1998 , 14, 1612-1617	4	58
178	Polarizable particle aggregation under rotating magnetic fields using scattering dichroism. <i>Journal of Colloid and Interface Science</i> , 2002 , 247, 200-9	9.3	57
177	Morphology of Thermoplastic Elastomers: Elastomeric Polypropylene. <i>Macromolecules</i> , 2002 , 35, 2654-2666	3.6	57
176	Microvascular endothelial cells migrate upstream and align against the shear stress field created by impinging flow. <i>Biophysical Journal</i> , 2014 , 106, 366-74	2.9	54
175	The interfacial viscoelastic properties and structures of human and animal Meibomian lipids. <i>Experimental Eye Research</i> , 2010 , 90, 598-604	3.7	54
174	Liquid crystalline collagen: a self-assembled morphology for the orientation of mammalian cells. <i>Langmuir</i> , 2009 , 25, 3200-6	4	53
173	Designing a tubular matrix of oriented collagen fibrils for tissue engineering. <i>Acta Biomaterialia</i> , 2011 , 7, 2448-56	10.8	51
172	Thermoresponsiveness of PDMAEMA. Electrostatic and Stereochemical Effects. <i>Macromolecules</i> , 2013 , 46, 2331-2340	5.5	50
171	Tracking the interfacial dynamics of PNIPAM soft microgels particles adsorbed at the air-water interface and in thin liquid films. <i>Rheologica Acta</i> , 2013 , 52, 445-454	2.3	50
170	Time scaling regimes in aggregation of magnetic dipolar particles: scattering dichroism results. <i>Physical Review Letters</i> , 2001 , 87, 115501	7.4	50
169	Structural and rheological properties of meibomian lipid 2013 , 54, 2720-32		49
168	Molecular determinants of mechanical properties of V. cholerae biofilms at the air-liquid interface. <i>Biophysical Journal</i> , 2014 , 107, 2245-52	2.9	47
167	Spatial patterning of endothelium modulates cell morphology, adhesiveness and transcriptional signature. <i>Biomaterials</i> , 2013 , 34, 2928-37	15.6	47
166	Droplet Coalescence and Spontaneous Emulsification in the Presence of Asphaltene Adsorption. <i>Langmuir</i> , 2017 , 33, 10501-10510	4	47
165	Rheo-optical studies of the effect of weak Brownian rotations in sheared suspensions. <i>Journal of Fluid Mechanics</i> , 1986 , 168, 119	3.7	47
164	Influence of interfacial rheology on drainage from curved surfaces. <i>Soft Matter</i> , 2014 , 10, 6917-25	3.6	45
163	Aligned nanofibrillar collagen regulates endothelial organization and migration. <i>Regenerative Medicine</i> , 2012 , 7, 649-61	2.5	45

162	Mechanical properties and structure of particle coated interfaces: influence of particle size and bidisperse 2D suspensions. <i>Langmuir</i> , 2007 , 23, 3975-80	4	44
161	Investigation of shear-banding structure in wormlike micellar solution by point-wise flow-induced birefringence measurements. <i>Journal of Rheology</i> , 2005 , 49, 537-550	4.1	44
160	Two-Dimensional Physical Networks of Lipopolymers at the Air/Water Interface: Correlation of Molecular Structure and Surface Rheological Behavior. <i>Langmuir</i> , 2001 , 17, 2801-2806	4	44
159	DACH1 stimulates shear stress-guided endothelial cell migration and coronary artery growth through the CXCL12-CXCR4 signaling axis. <i>Genes and Development</i> , 2017 , 31, 1308-1324	12.6	43
158	Synthesis Route for the Self-Assembly of Submicrometer-Sized Colloidosomes with Tailorable Nanopores. <i>Chemistry of Materials</i> , 2013 , 25, 3464-3471	9.6	41
157	Temperature-induced transitions in the structure and interfacial rheology of human meibum. <i>Biophysical Journal</i> , 2012 , 102, 369-76	2.9	41
156	Two-Dimensional Melts: Polymer Chains at the Air/Water Interface. <i>Macromolecules</i> , 2005 , 38, 6672-6679	3.5	41
155	Orientation in a Fatty Acid Monolayer: Effect of Flow Type. <i>Langmuir</i> , 1998 , 14, 1836-1845	4	41
154	Interfacial rheology of natural silk fibroin at air/water and oil/water interfaces. <i>Langmuir</i> , 2012 , 28, 459-67	4	40
153	Consequences of interfacial viscoelasticity on thin film stability. <i>Langmuir</i> , 2012 , 28, 14238-44	4	39
152	Response of Moderately Concentrated Xanthan Gum Solutions to Time-Dependent Flows Using Two-Color Flow Birefringence. <i>Journal of Rheology</i> , 1984 , 28, 23-43	4.1	39
151	Molecular structure of interfacial human meibum films. <i>Langmuir</i> , 2012 , 28, 11858-65	4	38
150	Deformation and Relaxation Processes of Mono- and Bilayer Domains of Liquid Crystalline Langmuir Films on Water. <i>Langmuir</i> , 1996 , 12, 5630-5635	4	37
149	Interfacial dilatational deformation accelerates particle formation in monoclonal antibody solutions. <i>Soft Matter</i> , 2016 , 12, 3293-302	3.6	37
148	Monoclonal Antibody Interfaces: Dilatation Mechanics and Bubble Coalescence. <i>Langmuir</i> , 2018 , 34, 630-638	4	36
147	Nanoscale Patterning of Extracellular Matrix Alters Endothelial Function under Shear Stress. <i>Nano Letters</i> , 2016 , 16, 410-9	11.5	36
146	Surface rheology of a polymer monolayer: effects of polymer chain length and compression rate. <i>Langmuir</i> , 2009 , 25, 7457-64	4	36
145	Lung surfactant gelation induced by epithelial cells exposed to air pollution or oxidative stress. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005 , 33, 161-8	5.7	36

144	Linking aggregation and interfacial properties in monoclonal antibody-surfactant formulations. <i>Journal of Colloid and Interface Science</i> , 2019 , 550, 128-138	9.3	35
143	Rheoptical determination of aspect ratio and polydispersity of nonspherical particles. <i>AICHE Journal</i> , 2001 , 47, 790-798	3.6	34
142	Direct Visualization of Flow-Induced Anisotropy in a Fatty Acid Monolayer. <i>Langmuir</i> , 1996 , 12, 1594-1599		34
141	Flow-induced concentration fluctuations in polymer solutions: Structure/property relationships. <i>Rheologica Acta</i> , 1993 , 32, 1-8	2.3	33
140	Dynamic transitions and oscillatory melting of a two-dimensional crystal subjected to shear flow. <i>Journal of Rheology</i> , 2004 , 48, 159-173	4.1	32
139	Influence of phase transition and photoisomerization on interfacial rheology. <i>Physical Review E</i> , 2003 , 67, 041601	2.4	32
138	Elastomeric Polypropylenes from Unbridged 2-Phenylindene Zirconocene Catalysts: Temperature Dependence of Crystallinity and Relaxation Properties. <i>Macromolecules</i> , 1999 , 32, 3334-3340	5.5	32
137	Effect of lysozyme adsorption on the interfacial rheology of DPPC and cholesteryl myristate films. <i>Langmuir</i> , 2008 , 24, 11728-33	4	31
136	Interfacial Rheology of Graft-Type Polymeric Siloxane Surfactants \square <i>Langmuir</i> , 2003 , 19, 6349-6356	4	31
135	Instability and Breakup of Model Tear Films 2016 , 57, 949-58		31
134	Dynamic fluid-film interferometry as a predictor of bulk foam properties. <i>Soft Matter</i> , 2016 , 12, 9266-9273	3.6	31
133	Disruption of Escherichia coli amyloid-integrated biofilm formation at the air-liquid interface by a polysorbate surfactant. <i>Langmuir</i> , 2013 , 29, 920-6	4	29
132	Evaporation-induced foam stabilization in lubricating oils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 7919-7924	11.5	28
131	Phosphoethanolamine cellulose enhances curli-mediated adhesion of uropathogenic to bladder epithelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 10106-10111	11.5	28
130	Development characteristics of drag-reducing surfactant solution flow in a duct. <i>Rheologica Acta</i> , 2004 , 43, 232-239	2.3	26
129	Comparison of numerical simulations and birefringence measurements in viscoelastic flow between eccentric rotating cylinders. <i>Journal of Rheology</i> , 1992 , 36, 1349-1375	4.1	26
128	Interplay of Hydrogen Bonding and Hydrophobic Interactions to Control the Mechanical Properties of Polymer Multilayers at the Oil/Water Interface. <i>ACS Macro Letters</i> , 2015 , 4, 25-29	6.6	25
127	In Situ Optical Studies of Flow-Induced Orientation in a Two-Dimensional Polymer Solution. <i>Macromolecules</i> , 1996 , 29, 705-712	5.5	25

126	Optical anisotropy in colloidal crystals. <i>Journal of Chemical Physics</i> , 1990 , 93, 8294-8299	3.9	25
125	Interfacial mechanisms for stability of surfactant-laden films. <i>PLoS ONE</i> , 2017 , 12, e0175753	3.7	25
124	Rheological Properties of LipopolymerPhospholipid Mixtures at the AirWater Interface: A Novel Form of Two-Dimensional Physical Gelation. <i>Macromolecules</i> , 2001 , 34, 3024-3032	5.5	24
123	Temperature controlled tensiometry using droplet microfluidics. <i>Lab on A Chip</i> , 2017 , 17, 717-726	7.2	23
122	Interfacial shear rheology of highly confined glassy polymers. <i>Soft Matter</i> , 2011 , 7, 1994	3.6	23
121	Interfacial rheology and structure of straight-chain and branched fatty alcohol mixtures. <i>Langmuir</i> , 2006 , 22, 5321-7	4	23
120	Insertion mechanism of a poly(ethylene oxide)-poly(butylene oxide) block copolymer into a DPPC monolayer. <i>Langmuir</i> , 2011 , 27, 11444-50	4	22
119	Interfacial flow processing of collagen. <i>Langmuir</i> , 2010 , 26, 3514-21	4	22
118	Extensional Flow of a Two-Dimensional Polymer Liquid Crystal. <i>Macromolecules</i> , 1996 , 29, 8473-8478	5.5	22
117	Scaling analysis and mathematical theory of the interfacial stress rheometer. <i>Journal of Rheology</i> , 2014 , 58, 999-1038	4.1	21
116	Surface rheology of hydrophobically modified PEG polymers associating with a phospholipid monolayer at the air-water interface. <i>Langmuir</i> , 2008 , 24, 4056-64	4	21
115	Rheology of glycocalix model at air/water interface. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 1949-1952	3.5	21
114	Contraction and expansion flows of Langmuir monolayers. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2000 , 89, 187-207	2.7	21
113	Rheologically interesting polysaccharides from yeasts. <i>Applied Biochemistry and Biotechnology</i> , 1989 , 20-21, 845-67	3.2	21
112	Role of fluid elasticity on the dynamics of rinsing flow by an impinging jet. <i>Physics of Fluids</i> , 2011 , 23, 033101	4.4	20
111	Why inhaling salt water changes what we exhale. <i>Journal of Colloid and Interface Science</i> , 2007 , 307, 71-89	3.3	20
110	Well-Controlled Living Polymerization of Perylene-Labeled Polyisoprenes and Their Use in Single-Molecule Imaging. <i>Macromolecules</i> , 2006 , 39, 8121-8127	5.5	20
109	Surface Rheological Transitions in Langmuir Monolayers of Bi-Competitive Fatty Acids. <i>Langmuir</i> , 2002 , 18, 6597-6601	4	19

108	Mechanical Behavior of a Bacillus subtilis Pellicle. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 6080-8	3.4	19
107	The influence of protein deposition on contact lens tear film stability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 180, 229-236	6	18
106	Perpendicular alignment of lymphatic endothelial cells in response to spatial gradients in wall shear stress. <i>Communications Biology</i> , 2020 , 3, 57	6.7	18
105	Thin film formation of silica nanoparticle/lipid composite films at the fluid-fluid interface. <i>Langmuir</i> , 2010 , 26, 17867-73	4	18
104	Surface Shear Rheology of a Polymerizable Lipopolymer Monolayer. <i>Langmuir</i> , 2002 , 18, 2166-2173	4	18
103	Phase Behavior and Flow Properties of Blairy-Rod Monolayers. <i>Langmuir</i> , 2000 , 16, 726-734	4	18
102	Polymeric-nanofluids stabilized emulsions: Interfacial versus bulk rheology. <i>Journal of Colloid and Interface Science</i> , 2020 , 576, 252-263	9.3	18
101	Role of shear-thinning on the dynamics of rinsing flow by an impinging jet. <i>Physics of Fluids</i> , 2012 , 24, 093102	4.4	17
100	Interfacial Rheology and Structure of Straight-Chain and Branched Hexadecanol Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 6880-6884	3.9	17
99	Component Stress-Strain Behavior and Small-Angle Neutron Scattering Investigation of Stereoblock Elastomeric Polypropylene. <i>Macromolecules</i> , 2003 , 36, 1178-1187	5.5	17
98	CHAIN ROTATIONAL DYNAMICS IN MR SUSPENSIONS. <i>International Journal of Modern Physics B</i> , 2002 , 16, 2293-2299	1.1	17
97	Dynamic Response of Stereoblock Elastomeric Polypropylene Studied by Rheo-optics and X-ray Scattering. 1. Influence of Isotacticity. <i>Macromolecules</i> , 2002 , 35, 8488-8497	5.5	17
96	Interfacial Rheology of Hydrogen-Bonded Polymer Multilayers Assembled at Liquid Interfaces: Influence of Anchoring Energy and Hydrophobic Interactions. <i>Langmuir</i> , 2016 , 32, 6089-96	4	16
95	Growth Kinetics and Mechanics of Hydrate Films by Interfacial Rheology. <i>Langmuir</i> , 2016 , 32, 4203-9	4	16
94	Influence of surface rheology on dynamic wetting of droplets coated with insoluble surfactants. <i>Soft Matter</i> , 2011 , 7, 7747	3.6	15
93	Dynamic Response of Stereoblock Elastomeric Polypropylene Studied by Rheo-optics and X-ray Scattering. 2. Orthogonally Oriented Crystalline Chains. <i>Macromolecules</i> , 2002 , 35, 8498-8508	5.5	14
92	Stress tensor measurement using birefringence in oblique transmission. <i>Rheologica Acta</i> , 1996 , 35, 297-303		14
91	Influence of lipid coatings on surface wettability characteristics of silicone hydrogels. <i>Langmuir</i> , 2015 , 31, 3820-8	4	13

90	Extensional rheometry at interfaces: Analysis of the Cambridge Interfacial Tensiometer. <i>Journal of Rheology</i> , 2012 , 56, 1225	4.1	13
89	. <i>Langmuir</i> , 2000 , 16, 4325-4332	4	13
88	Transient Birefringence of Elastomeric Polypropylene Subjected to Step Shear Strain. <i>Macromolecules</i> , 1999 , 32, 8094-8099	5.5	13
87	Integrated microfluidic platform for instantaneous flow and localized temperature control. <i>RSC Advances</i> , 2015 , 5, 85620-85629	3.7	12
86	Asphaltene-induced spontaneous emulsification: Effects of interfacial co-adsorption and viscoelasticity. <i>Journal of Rheology</i> , 2020 , 64, 799-816	4.1	12
85	Multiplexed Fluid Flow Device to Study Cellular Response to Tunable Shear Stress Gradients. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 2261-72	4.7	12
84	Corneal cell adhesion to contact lens hydrogel materials enhanced via tear film protein deposition. <i>PLoS ONE</i> , 2014 , 9, e105512	3.7	12
83	Charge interaction between particle-laden fluid interfaces. <i>Langmuir</i> , 2010 , 26, 3160-4	4	12
82	Langmuir monolayers of straight-chain and branched hexadecanol and eicosanol mixtures. <i>Langmuir</i> , 2008 , 24, 14005-14	4	12
81	Evaporation-driven solutocapillary flow of thin liquid films over curved substrates. <i>Physical Review Fluids</i> , 2019 , 4,	2.8	12
80	Mechanical Properties of Solidifying Assemblies of Nanoparticle Surfactants at the Oil-Water Interface. <i>Langmuir</i> , 2019 , 35, 13340-13350	4	11
79	Influence of Subphase Conditions on Interfacial Viscoelastic Properties of Synthetic Lipids with Gentiobiose Head Groups. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 3211-3214	3.4	11
78	Development of a double-beam rheo-optical analyzer for full tensor measurement of optical anisotropy in complex fluid flow. <i>Rheologica Acta</i> , 2002 , 41, 448-455	2.3	11
77	Rheo-optical studies of concentrated polystyrene solutions subjected to transient simple shear flow. <i>Journal of Polymer Science, Polymer Physics Edition</i> , 1985 , 23, 575-589		11
76	Mechanical and microstructural insights of <i>Vibrio cholerae</i> and <i>Escherichia coli</i> dual-species biofilm at the air-liquid interface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 188, 110786	6	11
75	Dewetting and deposition of thin films with insoluble surfactants from curved silicone hydrogel substrates. <i>Journal of Colloid and Interface Science</i> , 2015 , 449, 428-35	9.3	10
74	Multiphase flow of miscible liquids: jets and drops. <i>Experiments in Fluids</i> , 2015 , 56, 1	2.5	10
73	Foam stability in filtered lubricants containing antifoams. <i>Journal of Colloid and Interface Science</i> , 2020 , 567, 1-9	9.3	10

72	Dynamics of adsorbed polymer chains subjected to flow: The dumbbell model. <i>Journal of Polymer Science, Polymer Physics Edition</i> , 1983 , 21, 151-157		10
71	Influence of interfacial elasticity on liquid entrainment in thin foam films. <i>Physical Review Fluids</i> , 2018 , 3,	2.8	10
70	Single bubble and drop techniques for characterizing foams and emulsions. <i>Advances in Colloid and Interface Science</i> , 2020 , 286, 102295	14.3	10
69	Ablation of water drops suspended in asphaltene/heptol solutions due to spontaneous emulsification. <i>Science Advances</i> , 2019 , 5, eaax8227	14.3	9
68	Isovaleric, methylmalonic, and propionic acid decrease anesthetic EC50 in tadpoles, modulate glycine receptor function, and interact with the lipid 1,2-dipalmitoyl-Sn-glycero-3-phosphocholine. <i>Anesthesia and Analgesia</i> , 2009 , 108, 1538-45	3.9	9
67	Note: End Effects in Flow Birefringence Measurements. <i>Journal of Rheology</i> , 1989 , 33, 771-779	4.1	9
66	Optical measurements of particle orientation in magnetic media. <i>Journal of Applied Physics</i> , 1988 , 63, 1687-1690	2.5	9
65	Impact of Compressibility on the Control of Bubble-Pressure Tensiometers. <i>Langmuir</i> , 2016 , 32, 12031-12038	8	
64	The shape evolution of liquid droplets in miscible environments. <i>Journal of Fluid Mechanics</i> , 2018 , 852, 422-452	3.7	8
63	Interfacial and fluorescence studies on stereoblock poly(N-isopropylacryl amide)s. <i>Langmuir</i> , 2012 , 28, 14792-8	4	8
62	The orientation dynamics of rigid rod suspensions under extensional flow. <i>Journal of Rheology</i> , 2003 , 47, 371-388	4.1	8
61	The stress jump of a semirigid macromolecule after shear: Comparison of the elastic stress to the birefringence. <i>Journal of Rheology</i> , 1995 , 39, 659-672	4.1	8
60	Microstructural Dynamics of a Homopolymer Melt Investigated Using Two-Dimensional Raman Scattering. <i>Macromolecules</i> , 1996 , 29, 966-972	5.5	8
59	Structure and optical anisotropies of critical polymer solutions in electric fields. <i>Journal of Chemical Physics</i> , 1994 , 101, 1679-1686	3.9	8
58	Orientation dynamics of a polymer melt studied by polarization-modulated laser Raman scattering. <i>Journal of Rheology</i> , 1994 , 38, 1101-1125	4.1	8
57	Rheo-Optical Studies of Polyelectrolyte Solutions in Simple Shear Flow. <i>Journal of Rheology</i> , 1985 , 29, 943-954	4.1	8
56	Understanding the adsorption and potential tear film stability properties of recombinant human lubricin and bovine submaxillary mucins in an in vitro tear film model. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 195, 111257	6	8
55	In-Use Interfacial Stability of Monoclonal Antibody Formulations Diluted in Saline i.v. Bags. <i>Journal of Pharmaceutical Sciences</i> , 2021 , 110, 1687-1692	3.9	8

54	Surfactant-laden bubble dynamics under porous polymer films. <i>Journal of Colloid and Interface Science</i> , 2020 , 575, 298-305	9.3	7
53	Viscoelastic interfaces comprising of cellulose nanocrystals and lauroyl ethyl arginate for enhanced foam stability. <i>Soft Matter</i> , 2020 , 16, 3981-3990	3.6	7
52	Effects of temperature and chemical modification on polymer Langmuir films. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 22285-90	3.4	7
51	Microstructural changes of a binary polymer blend in simple shear flow across the phase boundary. <i>Journal of Rheology</i> , 2003 , 47, 143-161	4.1	7
50	Rheo-optical characterization (flow-birefringence and flow-dichroism) of the Tobacco Mosaic Virus. <i>Macromolecular Chemistry and Physics</i> , 1995 , 196, 63-74	2.6	7
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