

Gerald Fuller

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

215
papers

7,466
citations

47
h-index

76
g-index

235
ext. papers

8,196
ext. citations

4.7
avg, IF

6.06
L-index

#	Paper	IF	Citations
215	Dewetting characteristics of contact lenses coated with wetting agents.. <i>Journal of Colloid and Interface Science</i> , 2022 , 614, 24-32	9.3	1
214	Interfacial Assembly of Graphene Oxide: From Super Elastic Interfaces to Liquid-in-Liquid Printing. <i>Advanced Materials Interfaces</i> , 2022 , 9, 2101659	4.6	3
213	A shape stability model for 3D printable biopolymer-bound soil composite. <i>Construction and Building Materials</i> , 2022 , 321, 126337	6.7	0
212	Interfacial Assembly of Graphene Oxide: From Super Elastic Interfaces to Liquid-in-Liquid Printing (Adv. Mater. Interfaces 6/2022). <i>Advanced Materials Interfaces</i> , 2022 , 9, 2270032	4.6	0
211	Physicochemical characteristics of droplet interface bilayers.. <i>Advances in Colloid and Interface Science</i> , 2022 , 304, 102666	14.3	0
210	Dynamics of freely suspended drops translating through miscible environments. <i>Physics of Fluids</i> , 2021 , 33, 033106	4.4	2
209	Adsorption and Aggregation of Monoclonal Antibodies at Silicone Oil-Water Interfaces. <i>Molecular Pharmaceutics</i> , 2021 , 18, 1656-1665	5.6	4
208	Mucin-Like Glycoproteins Modulate Interfacial Properties of a Mimetic Ocular Epithelial Surface. <i>Advanced Science</i> , 2021 , 8, e2100841	13.6	2
207	Engineering Insulin Cold Chain Resilience to Improve Global Access. <i>Biomacromolecules</i> , 2021 , 22, 3386-3395	3.95	3
206	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
205	Axisymmetry breaking, chaos, and symmetry recovery in bubble film thickness profiles due to evaporation-induced Marangoni flows. <i>Physics of Fluids</i> , 2021 , 33, 012112	4.4	2
204	Surface energy and separation mechanics of droplet interface phospholipid bilayers. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20200860	4.1	2
203	Instability and symmetry breaking in binary evaporating thin films over a solid spherical dome. <i>Journal of Fluid Mechanics</i> , 2021 , 915,	3.7	1
202	Flowering in bursting bubbles with viscoelastic interfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
201	Determining the yield stress of a Biopolymer-bound Soil Composite for extrusion-based 3D printing applications. <i>Construction and Building Materials</i> , 2021 , 305, 124730	6.7	1
200	Surfactant-laden bubble dynamics under porous polymer films. <i>Journal of Colloid and Interface Science</i> , 2020 , 575, 298-305	9.3	7
199	Asphaltene-induced spontaneous emulsification: Effects of interfacial co-adsorption and viscoelasticity. <i>Journal of Rheology</i> , 2020 , 64, 799-816	4.1	12

198	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
197	Tuning corneal epithelial cell adhesive strength with varying crosslinker content in silicone hydrogel materials. <i>Translational Vision Science and Technology</i> , 2020 , 9, 3	3.3	3
196	Oscillatory spontaneous dimpling in evaporating curved thin films. <i>Journal of Fluid Mechanics</i> , 2020 , 889,	3.7	5
195	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
194	Foam stability in filtered lubricants containing antifoams. <i>Journal of Colloid and Interface Science</i> , 2020 , 567, 1-9	9.3	10
193	Polymeric-nanofluids stabilized emulsions: Interfacial versus bulk rheology. <i>Journal of Colloid and Interface Science</i> , 2020 , 576, 252-263	9.3	18
192	Mechanical and microstructural insights of Vibrio cholerae and Escherichia coli dual-species biofilm at the air-liquid interface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 188, 110786	6	11
191	Single bubble and drop techniques for characterizing foams and emulsions. <i>Advances in Colloid and Interface Science</i> , 2020 , 286, 102295	14.3	10
190	Hyperspectral imaging for dynamic thin film interferometry. <i>Scientific Reports</i> , 2020 , 10, 11378	4.9	5
189	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
188	Evaporation-induced Rayleigh-Taylor instabilities in polymer solutions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190533	3	1
187	Bubble Coalescence at Wormlike Micellar Solution-Air Interfaces. <i>Langmuir</i> , 2020 , 36, 11836-11844	4	5
186	Mechanical Properties of Solidifying Assemblies of Nanoparticle Surfactants at the Oil-Water Interface. <i>Langmuir</i> , 2019 , 35, 13340-13350	4	11
185	The influence of protein deposition on contact lens tear film stability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 180, 229-236	6	18
184	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
183	Lymphatic endothelial cell calcium pulses are sensitive to spatial gradients in wall shear stress. <i>Molecular Biology of the Cell</i> , 2019 , 30, 923-931	3.5	2
182	Unraveling 's Cloak: Identification of Phosphoethanolamine Cellulose, Its Functions, and Applications. <i>Microbiology Insights</i> , 2019 , 12, 1178636119865234	2.5	2
181	Evolution of rivulets during spreading of an impinging water jet on a rotating, precoated substrate. <i>Physics of Fluids</i> , 2019 , 31, 082104	4.4	3

180	Carbon compositional analysis of hydrogel contact lenses by solid-state NMR spectroscopy. <i>Solid State Nuclear Magnetic Resonance</i> , 2019 , 102, 47-52	3.1	1
179	Binding partner- and force-promoted changes in β -catenin conformation probed by native cysteine labeling. <i>Scientific Reports</i> , 2019 , 9, 15375	4.9	5
178	Ablation of water drops suspended in asphaltene/heptol solutions due to spontaneous emulsification. <i>Science Advances</i> , 2019 , 5, eaax8227	14.3	9
177	Evaporation-driven solutocapillary flow of thin liquid films over curved substrates. <i>Physical Review Fluids</i> , 2019 , 4,	2.8	12
176	Spreading of rinsing liquids across a horizontal rotating substrate. <i>Physical Review Fluids</i> , 2019 , 4,	2.8	2
175	Monoclonal Antibody Interfaces: Dilatation Mechanics and Bubble Coalescence. <i>Langmuir</i> , 2018 , 34, 630-638	4.38	36
174	The shape evolution of liquid droplets in miscible environments. <i>Journal of Fluid Mechanics</i> , 2018 , 852, 422-452	3.7	8
173	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
172	Influence of interfacial elasticity on liquid entrainment in thin foam films. <i>Physical Review Fluids</i> , 2018 , 3,	2.8	10
171	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
170	Temperature controlled tensiometry using droplet microfluidics. <i>Lab on A Chip</i> , 2017 , 17, 717-726	7.2	23
169	Droplet Coalescence and Spontaneous Emulsification in the Presence of Asphaltene Adsorption. <i>Langmuir</i> , 2017 , 33, 10501-10510	4	47
168	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
167	Interfacial mechanisms for stability of surfactant-laden films. <i>PLoS ONE</i> , 2017 , 12, e0175753	3.7	25
166	Impact of Compressibility on the Control of Bubble-Pressure Tensiometers. <i>Langmuir</i> , 2016 , 32, 12031-12038	4.038	8
165	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
164	Nonmonotonic Elasticity of the Crude Oil-Brine Interface in Relation to Improved Oil Recovery. <i>Langmuir</i> , 2016 , 32, 2192-8	4	103
163	Nanoscale Patterning of Extracellular Matrix Alters Endothelial Function under Shear Stress. <i>Nano Letters</i> , 2016 , 16, 410-9	11.5	36

162	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
161	Spreading of miscible liquids. <i>Physical Review Fluids</i> , 2016 , 1,	2.8	5
160	Placing Marangoni instabilities under arrest. <i>Physical Review Fluids</i> , 2016 , 1,	2.8	1
159	Instability and Breakup of Model Tear Films 2016 , 57, 949-58		31
158	Sphingosine 1-phosphate receptor 1 regulates the directional migration of lymphatic endothelial cells in response to fluid shear stress. <i>Journal of the Royal Society Interface</i> , 2016 , 13,	4.1	6
157	Interfacial dilatational deformation accelerates particle formation in monoclonal antibody solutions. <i>Soft Matter</i> , 2016 , 12, 3293-302	3.6	37
156	Growth Kinetics and Mechanics of Hydrate Films by Interfacial Rheology. <i>Langmuir</i> , 2016 , 32, 4203-9	4	16
155	Mechanical Behavior of a Bacillus subtilis Pellicle. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 6080-8	3.4	19
154	Dynamic fluid-film interferometry as a predictor of bulk foam properties. <i>Soft Matter</i> , 2016 , 12, 9266-9273	3.9	31
153	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
152	Multiphase flow of miscible liquids: jets and drops. <i>Experiments in Fluids</i> , 2015 , 56, 1	2.5	10
151	Integrated microfluidic platform for instantaneous flow and localized temperature control. <i>RSC Advances</i> , 2015 , 5, 85620-85629	3.7	12
150	Lung surfactants and different contributions to thin film stability. <i>Soft Matter</i> , 2015 , 11, 8048-57	3.6	66
149	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
148	Quantification of stromal vascular cell mechanics with a linear cell monolayer rheometer. <i>Journal of Rheology</i> , 2015 , 59, 33-50	4.1	3
147	Influence of lipid coatings on surface wettability characteristics of silicone hydrogels. <i>Langmuir</i> , 2015 , 31, 3820-8	4	13
146	Enhanced particle removal using viscoelastic fluids. <i>Journal of Rheology</i> , 2014 , 58, 63-88	4.1	5
145	Instabilities and elastic recoil of the two-fluid circular hydraulic jump. <i>Experiments in Fluids</i> , 2014 , 55, 1	2.5	4

144	Molecular determinants of mechanical properties of <i>V. cholerae</i> biofilms at the air-liquid interface. <i>Biophysical Journal</i> , 2014 , 107, 2245-52	2.9	47
143	Influence of interfacial rheology on drainage from curved surfaces. <i>Soft Matter</i> , 2014 , 10, 6917-25	3.6	45
142	Scaling analysis and mathematical theory of the interfacial stress rheometer. <i>Journal of Rheology</i> , 2014 , 58, 999-1038	4.1	21
141	Corneal cell adhesion to contact lens hydrogel materials enhanced via tear film protein deposition. <i>PLoS ONE</i> , 2014 , 9, e105512	3.7	12
140	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
139	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
138	Spatial patterning of endothelium modulates cell morphology, adhesiveness and transcriptional signature. <i>Biomaterials</i> , 2013 , 34, 2928-37	15.6	47
137	Thermoresponsiveness of PDMAEMA. Electrostatic and Stereochemical Effects. <i>Macromolecules</i> , 2013 , 46, 2331-2340	5.5	50
136	The modulation of endothelial cell morphology, function, and survival using anisotropic nanofibrillar collagen scaffolds. <i>Biomaterials</i> , 2013 , 34, 4038-4047	15.6	66
135	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
134	Disruption of <i>Escherichia coli</i> amyloid-integrated biofilm formation at the air-liquid interface by a polysorbate surfactant. <i>Langmuir</i> , 2013 , 29, 920-6	4	29
133	3-Hydroxybutyric acid interacts with lipid monolayers at concentrations that impair consciousness. <i>Langmuir</i> , 2013 , 29, 1948-55	4	4
132	In-situ quantification of the interfacial rheological response of bacterial biofilms to environmental stimuli. <i>PLoS ONE</i> , 2013 , 8, e78524	3.7	64
131	Structural and rheological properties of meibomian lipid 2013 , 54, 2720-32		49
130	Temperature-induced transitions in the structure and interfacial rheology of human meibum. <i>Biophysical Journal</i> , 2012 , 102, 369-76	2.9	41
129	Interfacial rheology of natural silk fibroin at air/water and oil/water interfaces. <i>Langmuir</i> , 2012 , 28, 459-67		40
128	Interfacial and fluorescence studies on stereoblock poly(N-isopropylacryl amide)s. <i>Langmuir</i> , 2012 , 28, 14792-8	4	8
127	Consequences of interfacial viscoelasticity on thin film stability. <i>Langmuir</i> , 2012 , 28, 14238-44	4	39

126	Aligned nanofibrillar collagen regulates endothelial organization and migration. <i>Regenerative Medicine</i> , 2012 , 7, 649-61	2.5	45
125	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
124	Extensional rheometry at interfaces: Analysis of the Cambridge Interfacial Tensiometer. <i>Journal of Rheology</i> , 2012 , 56, 1225	4.1	13
123	Molecular structure of interfacial human meibum films. <i>Langmuir</i> , 2012 , 28, 11858-65	4	38
122	Complex fluid-fluid interfaces: rheology and structure. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2012 , 3, 519-43	8.9	202
121	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
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	Influence of surface rheology on dynamic wetting of droplets coated with insoluble surfactants. <i>Soft Matter</i> , 2011 , 7, 7747	3.6	15
118	Interfacial shear rheology of highly confined glassy polymers. <i>Soft Matter</i> , 2011 , 7, 1994	3.6	23
117	Designing a tubular matrix of oriented collagen fibrils for tissue engineering. <i>Acta Biomaterialia</i> , 2011 , 7, 2448-56	10.8	51
116	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
115	Charge interaction between particle-laden fluid interfaces. <i>Langmuir</i> , 2010 , 26, 3160-4	4	12
114	Thin film formation of silica nanoparticle/lipid composite films at the fluid-fluid interface. <i>Langmuir</i> , 2010 , 26, 17867-73	4	18
113	Interfacial flow processing of collagen. <i>Langmuir</i> , 2010 , 26, 3514-21	4	22
112	The interfacial viscoelastic properties and structures of human and animal Meibomian lipids. <i>Experimental Eye Research</i> , 2010 , 90, 598-604	3.7	54
111	A double wall-ring geometry for interfacial shear rheometry. <i>Rheologica Acta</i> , 2010 , 49, 131-144	2.3	218
110	Liquid crystalline collagen: a self-assembled morphology for the orientation of mammalian cells. <i>Langmuir</i> , 2009 , 25, 3200-6	4	53
109	Surface rheology of a polymer monolayer: effects of polymer chain length and compression rate. <i>Langmuir</i> , 2009 , 25, 7457-64	4	36

108	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
107	Langmuir monolayers of straight-chain and branched hexadecanol and eicosanol mixtures. <i>Langmuir</i> , 2008 , 24, 14005-14	4	12
106	Effect of lysozyme adsorption on the interfacial rheology of DPPC and cholesteryl myristate films. <i>Langmuir</i> , 2008 , 24, 11728-33	4	31
105	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
104	Analysis of the magnetic rod interfacial stress rheometer. <i>Journal of Rheology</i> , 2008 , 52, 261-285	4.1	122
103	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
102	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
101	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
100	Why inhaling salt water changes what we exhale. <i>Journal of Colloid and Interface Science</i> , 2007 , 307, 71-89.3		20
99	Packing, flipping, and buckling transitions in compressed monolayers of ellipsoidal latex particles. <i>Langmuir</i> , 2006 , 22, 6605-12	4	142
98	Effects of temperature and chemical modification on polymer Langmuir films. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 22285-90	3.4	7
97	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
96	Interfacial Rheology and Structure of Straight-Chain and Branched Hexadecanol Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 6880-6884	3.9	17
95	Interfacial rheology and structure of straight-chain and branched fatty alcohol mixtures. <i>Langmuir</i> , 2006 , 22, 5321-7	4	23
94	Pickering emulsions with controllable stability. <i>Langmuir</i> , 2005 , 21, 2158-62	4	318
93	Shape and buckling transitions in solid-stabilized drops. <i>Langmuir</i> , 2005 , 21, 10016-20	4	100
92	Two-Dimensional Melts: Polymer Chains at the Air-Water Interface. <i>Macromolecules</i> , 2005 , 38, 6672-6679.5	3.5	41
91	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

90	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
89	Development characteristics of drag-reducing surfactant solution flow in a duct. <i>Rheologica Acta</i> , 2004 , 43, 232-239	2-3	26
88	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
87	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
86	Shear and dilatational relaxation mechanisms of globular and flexible proteins at the hexadecane/water interface. <i>Langmuir</i> , 2004 , 20, 10159-67	4	140
85	Rheological behavior of precursor PPV monolayers. <i>Langmuir</i> , 2004 , 20, 11517-22	4	5
84	Connect the drops: using solids as adhesives for liquids. <i>Langmuir</i> , 2004 , 20, 4805-8	4	87
83	Coalescence of particle-laden fluid interfaces. <i>Langmuir</i> , 2004 , 20, 90-4	4	120
82	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
81	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
80	Flow-Induced Anisotropy and Reversible Aggregation in Two-Dimensional Suspensions. <i>Langmuir</i> , 2003 , 19, 9134-9141	4	80
79	Component Stress-Strain Behavior and Small-Angle Neutron Scattering Investigation of Stereoblock Elastomeric Polypropylene. <i>Macromolecules</i> , 2003 , 36, 1178-1187	5-5	17
78	Interfacial Rheology of Graft-Type Polymeric Siloxane Surfactants. <i>Langmuir</i> , 2003 , 19, 6349-6356	4	31
77	Microstructure evolution in magnetorheological suspensions governed by Mason number. <i>Physical Review E</i> , 2003 , 68, 041503	2-4	128
76	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
75	The orientation dynamics of rigid rod suspensions under extensional flow. <i>Journal of Rheology</i> , 2003 , 47, 371-388	4-1	8
74	Shearing or compressing a soft glass in 2D: time-concentration superposition. <i>Physical Review Letters</i> , 2003 , 90, 236101	7-4	143
73	Influence of phase transition and photoisomerization on interfacial rheology. <i>Physical Review E</i> , 2003 , 67, 041601	2-4	32

72	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
71	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
70	CHAIN ROTATIONAL DYNAMICS IN MR SUSPENSIONS. <i>International Journal of Modern Physics B</i> , 2002 , 16, 2293-2299	1.1	17
69	Structure and Dynamics of Particle Monolayers at a Liquid-Liquid Interface Subjected to Extensional Flow. <i>Langmuir</i> , 2002 , 18, 4372-4375	4	58
68	Surface Rheological Transitions in Langmuir Monolayers of Bi-Competitive Fatty Acids. <i>Langmuir</i> , 2002 , 18, 6597-6601	4	19
67	Morphology of Thermoplastic Elastomers: Elastomeric Polypropylene. <i>Macromolecules</i> , 2002 , 35, 2654-2666	3.5	57
66	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
65	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
64	Rheology of glyocalix model at air/water interface. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 1949-1952	3.5	21
63	Surface Shear Rheology of a Polymerizable Lipopolymer Monolayer. <i>Langmuir</i> , 2002 , 18, 2166-2173	4	18
62	Rheo-optical determination of aspect ratio and polydispersity of nonspherical particles. <i>AIChE Journal</i> , 2001 , 47, 790-798	3.6	34
61	ORIENTATION DYNAMICS OF MAGNETORHEOLOGICAL FLUIDS SUBJECT TO ROTATING EXTERNAL FIELDS. <i>International Journal of Modern Physics B</i> , 2001 , 15, 758-766	1.1	6
60	Time scaling regimes in aggregation of magnetic dipolar particles: scattering dichroism results. <i>Physical Review Letters</i> , 2001 , 87, 115501	7.4	50
59	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
58	Isotropic-Nematic Phase Transitions of Lyotropic, Two-Dimensional Liquid Crystalline Polymer Solutions. <i>Macromolecules</i> , 2001 , 34, 6972-6977	5.5	6
57	Rheological Properties of Lipopolymer-Phospholipid Mixtures at the Air-Water Interface: A Novel Form of Two-Dimensional Physical Gelation. <i>Macromolecules</i> , 2001 , 34, 3024-3032	5.5	24
56	Contraction and expansion flows of Langmuir monolayers. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2000 , 89, 187-207	2.7	21
55	Structure and dynamics of magnetorheological fluids in rotating magnetic fields. <i>Physical Review E</i> , 2000 , 61, 4111-7	2.4	92

54	On the Existence of a Stress-Optical Relation in Immiscible Polymer Blends. <i>Langmuir</i> , 2000 , 16, 3740-3747	4	3
53	Phase Behavior and Flow Properties of Hairy-Rod Monolayers. <i>Langmuir</i> , 2000 , 16, 726-734	4	18
52	Surface Pressure-Induced Isotropic-Nematic Transition in Polymer Monolayers Effect of Solvent Molecules. <i>Langmuir</i> , 2000 , 16, 4319-4324	4	6
51	. <i>Langmuir</i> , 2000 , 16, 4325-4332	4	13
50	An Interfacial Stress Rheometer To Study Rheological Transitions in Monolayers at the Air-Water Interface. <i>Langmuir</i> , 1999 , 15, 2450-2459	4	296
49	Transient Birefringence of Elastomeric Polypropylene Subjected to Step Shear Strain. <i>Macromolecules</i> , 1999 , 32, 8094-8099	5.5	13
48	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
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