

# Gerald Fuller

## List of Publications by Year in descending order

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224  
papers

8,924  
citations

36691

53  
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64407

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235  
docs citations

235  
times ranked

7674  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pickering Emulsions with Controllable Stability. <i>Langmuir</i> , 2005, 21, 2158-2162.	1.6	348
2	An Interfacial Stress Rheometer To Study Rheological Transitions in Monolayers at the Air/Water Interface. <i>Langmuir</i> , 1999, 15, 2450-2459.	1.6	321
3	A double wall-ring geometry for interfacial shear rheometry. <i>Rheologica Acta</i> , 2010, 49, 131-144.	1.1	266
4	Interfacial Rheology of Globular and Flexible Proteins at the Hexadecane/Water Interface: A Comparison of Shear and Dilatation Deformation. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3835-3844.	1.2	258
5	Complex Fluid-Fluid Interfaces: Rheology and Structure. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2012, 3, 519-543.	3.3	258
6	Extensional Viscosity Measurements for Low-Viscosity Fluids. <i>Journal of Rheology</i> , 1987, 31, 235-249.	1.3	168
7	Shear and Dilatational Relaxation Mechanisms of Globular and Flexible Proteins at the Hexadecane/Water Interface. <i>Langmuir</i> , 2004, 20, 10159-10167.	1.6	167
8	Shearing or Compressing a Soft Glass in 2D: Time-Concentration Superposition. <i>Physical Review Letters</i> , 2003, 90, 236101.	2.9	158
9	Packing, Flipping, and Buckling Transitions in Compressed Monolayers of Ellipsoidal Latex Particles. <i>Langmuir</i> , 2006, 22, 6605-6612.	1.6	156
10	Microstructure evolution in magnetorheological suspensions governed by Mason number. <i>Physical Review E</i> , 2003, 68, 041503.	0.8	149
11	Analysis of the magnetic rod interfacial stress rheometer. <i>Journal of Rheology</i> , 2008, 52, 261-285.	1.3	136
12	Nonmonotonic Elasticity of the Crude Oil/Brine Interface in Relation to Improved Oil Recovery. <i>Langmuir</i> , 2016, 32, 2192-2198.	1.6	134
13	Coalescence of Particle-Laden Fluid Interfaces. <i>Langmuir</i> , 2004, 20, 90-94.	1.6	126
14	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.	1.2	124
15	Optical Rheometry. <i>Annual Review of Fluid Mechanics</i> , 1990, 22, 387-417.	10.8	106
16	Shape and Buckling Transitions in Solid-Stabilized Drops. <i>Langmuir</i> , 2005, 21, 10016-10020.	1.6	106
17	Structure and dynamics of magnetorheological fluids in rotating magnetic fields. <i>Physical Review E</i> , 2000, 61, 4111-4117.	0.8	105
18	Transient shear flow of nematic liquid crystals: Manifestations of director tumbling. <i>Journal of Rheology</i> , 1990, 34, 959-992.	1.3	104

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19	Structure and rheology of wormlike micelles. <i>Rheologica Acta</i> , 1996, 35, 139-149.	1.1	99
20	Interaction of human whole saliva and astringent dietary compounds investigated by interfacial shear rheology. <i>Food Hydrocolloids</i> , 2008, 22, 1068-1078.	5.6	96
21	Time-dependent small-angle light scattering of shear-induced concentration fluctuations in polymer solutions. <i>Journal of Chemical Physics</i> , 1992, 96, 7742-7757.	1.2	92
22	Time-periodic flow induced structures and instabilities in a viscoelastic surfactant solution. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1998, 75, 193-208.	1.0	92
23	Flow-Induced Anisotropy and Reversible Aggregation in Two-Dimensional Suspensions. <i>Langmuir</i> , 2003, 19, 9134-9141.	1.6	92
24	Connect the Drops: Using Solids as Adhesives for Liquids. <i>Langmuir</i> , 2004, 20, 4805-4808.	1.6	90
25	Lung surfactants and different contributions to thin film stability. <i>Soft Matter</i> , 2015, 11, 8048-8057.	1.2	88
26	The modulation of endothelial cell morphology, function, and survival using anisotropic nanofibrillar collagen scaffolds. <i>Biomaterials</i> , 2013, 34, 4038-4047.	5.7	82
27	Microvascular Endothelial Cells Migrate Upstream and Align Against the Shear Stress Field Created by Impinging Flow. <i>Biophysical Journal</i> , 2014, 106, 366-374.	0.2	79
28	Structure and dynamics of a polymer solution subject to flow-induced phase separation. <i>Rheologica Acta</i> , 1991, 30, 89-97.	1.1	78
29	Note: A Note on Phase-Modulated Flow Birefringence: A Promising Rheo-Optical Method. <i>Journal of Rheology</i> , 1984, 28, 61-70.	1.3	77
30	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.	2.7	77
31	In-Situ Quantification of the Interfacial Rheological Response of Bacterial Biofilms to Environmental Stimuli. <i>PLoS ONE</i> , 2013, 8, e78524.	1.1	76
32	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.	1.6	73
33	Note: Optical Rheometry Using a Rotary Polarization Modulator. <i>Journal of Rheology</i> , 1989, 33, 761-769.	1.3	72
34	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.	1.3	72
35	Polarizable Particle Aggregation Under Rotating Magnetic Fields Using Scattering Dichroism. <i>Journal of Colloid and Interface Science</i> , 2002, 247, 200-209.	5.0	69
36	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.	0.2	68

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37	Rheo-Optical Studies of Shear-Induced Structures in Semidilute Polystyrene Solutions. <i>Macromolecules</i> , 1997, 30, 7232-7236.	2.2	67
38	Structure and Dynamics of Particle Monolayers at a Liquid-Liquid Interface Subjected to Extensional Flow. <i>Langmuir</i> , 2002, 18, 4372-4375.	1.6	67
39	Rheological and Thermal Properties of Elastomeric Polypropylene. <i>Macromolecules</i> , 1998, 31, 5343-5351.	2.2	66
40	Droplet Coalescence and Spontaneous Emulsification in the Presence of Asphaltene Adsorption. <i>Langmuir</i> , 2017, 33, 10501-10510.	1.6	66
41	Liquid Crystalline Collagen: A Self-Assembled Morphology for the Orientation of Mammalian Cells. <i>Langmuir</i> , 2009, 25, 3200-3206.	1.6	65
42	Thermoresponsiveness of PDMAEMA. Electrostatic and Stereochemical Effects. <i>Macromolecules</i> , 2013, 46, 2331-2340.	2.2	63
43	Structural and Rheological Properties of Meibomian Lipid. , 2013, 54, 2720.		63
44	Morphology of Thermoplastic Elastomers: Elastomeric Polypropylene. <i>Macromolecules</i> , 2002, 35, 2654-2666.	2.2	62
45	The interfacial viscoelastic properties and structures of human and animal Meibomian lipids. <i>Experimental Eye Research</i> , 2010, 90, 598-604.	1.2	62
46	Designing a tubular matrix of oriented collagen fibrils for tissue engineering. <i>Acta Biomaterialia</i> , 2011, 7, 2448-2456.	4.1	61
47	Linking aggregation and interfacial properties in monoclonal antibody-surfactant formulations. <i>Journal of Colloid and Interface Science</i> , 2019, 550, 128-138.	5.0	61
48	Anisotropy and Orientation of the Microstructure in Viscous Emulsions during Shear Flow. <i>Langmuir</i> , 1998, 14, 1612-1617.	1.6	60
49	Aligned nanofibrillar collagen regulates endothelial organization and migration. <i>Regenerative Medicine</i> , 2012, 7, 649-661.	0.8	60
50	Influence of interfacial rheology on drainage from curved surfaces. <i>Soft Matter</i> , 2014, 10, 6917-6925.	1.2	59
51	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.	1.1	58
52	Interfacial dilatational deformation accelerates particle formation in monoclonal antibody solutions. <i>Soft Matter</i> , 2016, 12, 3293-3302.	1.2	57
53	Spatial patterning of endothelium modulates cell morphology, adhesiveness and transcriptional signature. <i>Biomaterials</i> , 2013, 34, 2928-2937.	5.7	56
54	Molecular Determinants of Mechanical Properties of <i>V. Cholerae</i> Biofilms at the Air-Liquid Interface. <i>Biophysical Journal</i> , 2014, 107, 2245-2252.	0.2	55

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55	Time Scaling Regimes in Aggregation of Magnetic Dipolar Particles: Scattering Dichroism Results. <i>Physical Review Letters</i> , 2001, 87, 115501.	2.9	52
56	Temperature-Induced Transitions in the Structure and Interfacial Rheology of Human Meibum. <i>Biophysical Journal</i> , 2012, 102, 369-376.	0.2	51
57	Interfacial Rheology of Natural Silk Fibroin at Air/Water and Oil/Water Interfaces. <i>Langmuir</i> , 2012, 28, 459-467.	1.6	51
58	Monoclonal Antibody Interfaces: Dilatation Mechanics and Bubble Coalescence. <i>Langmuir</i> , 2018, 34, 630-638.	1.6	51
59	Nanoscale Patterning of Extracellular Matrix Alters Endothelial Function under Shear Stress. <i>Nano Letters</i> , 2016, 16, 410-419.	4.5	50
60	Rheo-optical studies of the effect of weak Brownian rotations in sheared suspensions. <i>Journal of Fluid Mechanics</i> , 1986, 168, 119.	1.4	49
61	Mechanical Properties and Structure of Particle Coated Interfaces: Influence of Particle Size and Bidisperse 2D Suspensions. <i>Langmuir</i> , 2007, 23, 3975-3980.	1.6	49
62	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.	1.3	47
63	Synthesis Route for the Self-Assembly of Submicrometer-Sized Colloidosomes with Tailorable Nanopores. <i>Chemistry of Materials</i> , 2013, 25, 3464-3471.	3.2	47
64	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.	1.6	45
65	Two-Dimensional Melts: Polymer Chains at the Air/Water Interface. <i>Macromolecules</i> , 2005, 38, 6672-6679.	2.2	45
66	Dynamic fluid-film interferometry as a predictor of bulk foam properties. <i>Soft Matter</i> , 2016, 12, 9266-9279.	1.2	45
67	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.	1.3	44
68	Orientation in a Fatty Acid Monolayer: Effect of Flow Type. <i>Langmuir</i> , 1998, 14, 1836-1845.	1.6	43
69	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.	3.3	43
70	Deformation and Relaxation Processes of Mono- and Bilayer Domains of Liquid Crystalline Langmuir Films on Water. <i>Langmuir</i> , 1996, 12, 5630-5635.	1.6	42
71	Molecular Structure of Interfacial Human Meibum Films. <i>Langmuir</i> , 2012, 28, 11858-11865.	1.6	42
72	Consequences of Interfacial Viscoelasticity on Thin Film Stability. <i>Langmuir</i> , 2012, 28, 14238-14244.	1.6	40

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73	Phosphoethanolamine cellulose enhances curli-mediated adhesion of uropathogenic <i>Escherichia coli</i> to bladder epithelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10106-10111.	3.3	40
74	Lung Surfactant Gelation Induced by Epithelial Cells Exposed to Air Pollution or Oxidative Stress. American Journal of Respiratory Cell and Molecular Biology, 2005, 33, 161-168.	1.4	39
75	Rheoptical determination of aspect ratio and polydispersity of nonspherical particles. AIChE Journal, 2001, 47, 790-798.	1.8	38
76	Direct Visualization of Flow-Induced Anisotropy in a Fatty Acid Monolayer. Langmuir, 1996, 12, 1594-1599.	1.6	37
77	Effect of Lysozyme Adsorption on the Interfacial Rheology of DPPC and Cholesteryl Myristate Films. Langmuir, 2008, 24, 11728-11733.	1.6	36
78	Surface Rheology of a Polymer Monolayer: Effects of Polymer Chain Length and Compression Rate. Langmuir, 2009, 25, 7457-7464.	1.6	36
79	Flow-induced concentration fluctuations in polymer solutions: Structure/property relationships. Rheologica Acta, 1993, 32, 1-8.	1.1	35
80	Influence of phase transition and photoisomerization on interfacial rheology. Physical Review E, 2003, 67, 041601.	0.8	35
81	Dynamic transitions and oscillatory melting of a two-dimensional crystal subjected to shear flow. Journal of Rheology, 2004, 48, 159-173.	1.3	35
82	Instability and Breakup of Model Tear Films. , 2016, 57, 949.		35
83	Interfacial mechanisms for stability of surfactant-laden films. PLoS ONE, 2017, 12, e0175753.	1.1	35
84	Elastomeric Polypropylenes from Unbridged 2-Phenylindene Zirconocene Catalysts: Temperature Dependence of Crystallinity and Relaxation Properties. Macromolecules, 1999, 32, 3334-3340.	2.2	33
85	Interfacial Rheology of Graft-Type Polymeric Siloxane Surfactants. Langmuir, 2003, 19, 6349-6356.	1.6	32
86	Disruption of <i>Escherichia coli</i> Amyloid-Integrated Biofilm Formation at the Air-Liquid Interface by a Polysorbate Surfactant. Langmuir, 2013, 29, 920-926.	1.6	32
87	Polymeric-nanofluids stabilized emulsions: Interfacial versus bulk rheology. Journal of Colloid and Interface Science, 2020, 576, 252-263.	5.0	32
88	Comparison of numerical simulations and birefringence measurements in viscoelastic flow between eccentric rotating cylinders. Journal of Rheology, 1992, 36, 1349-1375.	1.3	31
89	Why inhaling salt water changes what we exhale. Journal of Colloid and Interface Science, 2007, 307, 71-78.	5.0	31
90	Development characteristics of drag-reducing surfactant solution flow in a duct. Rheologica Acta, 2004, 43, 232-239.	1.1	30

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91	Optical anisotropy in colloidal crystals. <i>Journal of Chemical Physics</i> , 1990, 93, 8294-8299.	1.2	29
92	Interfacial Rheology and Structure of Straight-Chain and Branched Fatty Alcohol Mixtures. <i>Langmuir</i> , 2006, 22, 5321-5327.	1.6	29
93	Temperature controlled tensiometry using droplet microfluidics. <i>Lab on A Chip</i> , 2017, 17, 717-726.	3.1	29
94	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.	2.3	28
95	Single bubble and drop techniques for characterizing foams and emulsions. <i>Advances in Colloid and Interface Science</i> , 2020, 286, 102295.	7.0	28
96	In Situ Optical Studies of Flow-Induced Orientation in a Two-Dimensional Polymer Solution. <i>Macromolecules</i> , 1996, 29, 705-712.	2.2	27
97	Asphaltene-induced spontaneous emulsification: Effects of interfacial co-adsorption and viscoelasticity. <i>Journal of Rheology</i> , 2020, 64, 799-816.	1.3	27
98	Rheology of glycocalix model at air/water interface. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 1949-1952.	1.3	26
99	Interfacial shear rheology of highly confined glassy polymers. <i>Soft Matter</i> , 2011, 7, 1994.	1.2	26
100	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.	2.2	25
101	Mechanical Properties of Solidifying Assemblies of Nanoparticle Surfactants at the Oil-Water Interface. <i>Langmuir</i> , 2019, 35, 13340-13350.	1.6	25
102	Perpendicular alignment of lymphatic endothelial cells in response to spatial gradients in wall shear stress. <i>Communications Biology</i> , 2020, 3, 57.	2.0	25
103	In-Use Interfacial Stability of Monoclonal Antibody Formulations Diluted in Saline i.v. Bags. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 1687-1692.	1.6	25
104	Extensional Flow of a Two-Dimensional Polymer Liquid Crystal. <i>Macromolecules</i> , 1996, 29, 8473-8478.	2.2	24
105	Role of fluid elasticity on the dynamics of rinsing flow by an impinging jet. <i>Physics of Fluids</i> , 2011, 23, .	1.6	24
106	The influence of protein deposition on contact lens tear film stability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 180, 229-236.	2.5	24
107	Rheologically interesting polysaccharides from yeasts. <i>Applied Biochemistry and Biotechnology</i> , 1989, 20-21, 845-867.	1.4	23
108	Surface Rheological Transitions in Langmuir Monolayers of Bi-Competitive Fatty Acids. <i>Langmuir</i> , 2002, 18, 6597-6601.	1.6	23

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109	Insertion Mechanism of a Poly(ethylene oxide)-poly(butylene oxide) Block Copolymer into a DPPC Monolayer. <i>Langmuir</i> , 2011, 27, 11444-11450.	1.6	23
110	Scaling analysis and mathematical theory of the interfacial stress rheometer. <i>Journal of Rheology</i> , 2014, 58, 999-1038.	1.3	23
111	Contraction and expansion flows of Langmuir monolayers. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2000, 89, 187-207.	1.0	22
112	Interfacial Rheology and Structure of Straight-Chain and Branched Hexadecanol Mixtures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 6880-6884.	1.8	22
113	Interfacial Flow Processing of Collagen. <i>Langmuir</i> , 2010, 26, 3514-3521.	1.6	22
114	Adsorption and Aggregation of Monoclonal Antibodies at Silicone Oil/Water Interfaces. <i>Molecular Pharmaceutics</i> , 2021, 18, 1656-1665.	2.3	22
115	Surface Rheology of Hydrophobically Modified PEG Polymers Associating with a Phospholipid Monolayer at the Air/Water Interface. <i>Langmuir</i> , 2008, 24, 4056-4064.	1.6	21
116	Role of shear-thinning on the dynamics of rinsing flow by an impinging jet. <i>Physics of Fluids</i> , 2012, 24, .	1.6	21
117	Growth Kinetics and Mechanics of Hydrate Films by Interfacial Rheology. <i>Langmuir</i> , 2016, 32, 4203-4209.	1.6	21
118	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.	2.2	20
119	Component Stress-Strain Behavior and Small-Angle Neutron Scattering Investigation of Stereoblock Elastomeric Polypropylene. <i>Macromolecules</i> , 2003, 36, 1178-1187.	2.2	20
120	Well-Controlled Living Polymerization of Perylene-Labeled Polyisoprenes and Their Use in Single-Molecule Imaging. <i>Macromolecules</i> , 2006, 39, 8121-8127.	2.2	20
121	Mechanical Behavior of a <i>Bacillus subtilis</i> Pellicle. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6080-6088.	1.2	20
122	Interfacial Rheology of Hydrogen-Bonded Polymer Multilayers Assembled at Liquid Interfaces: Influence of Anchoring Energy and Hydrophobic Interactions. <i>Langmuir</i> , 2016, 32, 6089-6096.	1.6	20
123	Binding partner- and force-promoted changes in $\beta$ -catenin conformation probed by native cysteine labeling. <i>Scientific Reports</i> , 2019, 9, 15375.	1.6	20
124	Ablation of water drops suspended in asphaltene/heptol solutions due to spontaneous emulsification. <i>Science Advances</i> , 2019, 5, eaax8227.	4.7	19
125	Phase Behavior and Flow Properties of Hairy-Rod Monolayers. <i>Langmuir</i> , 2000, 16, 726-734.	1.6	18
126	Surface Shear Rheology of a Polymerizable Lipopolymer Monolayer. <i>Langmuir</i> , 2002, 18, 2166-2173.	1.6	18



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127	Thin Film Formation of Silica Nanoparticle/Lipid Composite Films at the Fluid–Fluid Interface. <i>Langmuir</i> , 2010, 26, 17867-17873.	1.6	18
128	Influence of interfacial elasticity on liquid entrainment in thin foam films. <i>Physical Review Fluids</i> , 2018, 3, .	1.0	18
129	Stress tensor measurement using birefringence in oblique transmission. <i>Rheologica Acta</i> , 1996, 35, 297-302.	1.1	17
130	CHAIN ROTATIONAL DYNAMICS IN MR SUSPENSIONS. <i>International Journal of Modern Physics B</i> , 2002, 16, 2293-2299.	1.0	17
131	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.	2.5	17
132	Foam stability in filtered lubricants containing antifoams. <i>Journal of Colloid and Interface Science</i> , 2020, 567, 1-9.	5.0	17
133	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.	2.2	16
134	Extensional rheometry at interfaces: Analysis of the Cambridge Interfacial Tensiometer. <i>Journal of Rheology</i> , 2012, 56, 1225.	1.3	16
135	Multiplexed Fluid Flow Device to Study Cellular Response to Tunable Shear Stress Gradients. <i>Annals of Biomedical Engineering</i> , 2016, 44, 2261-2272.	1.3	16
136	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.	2.5	16
137	Langmuir Monolayers of Straight-Chain and Branched Hexadecanol and Eicosanol Mixtures. <i>Langmuir</i> , 2008, 24, 14005-14014.	1.6	15
138	Influence of surface rheology on dynamic wetting of droplets coated with insoluble surfactants. <i>Soft Matter</i> , 2011, 7, 7747.	1.2	15
139	Editorial: dynamics and rheology of complex fluid–fluid interfaces. <i>Soft Matter</i> , 2011, 7, 7583.	1.2	15
140	Corneal Cell Adhesion to Contact Lens Hydrogel Materials Enhanced via Tear Film Protein Deposition. <i>PLoS ONE</i> , 2014, 9, e105512.	1.1	15
141	Influence of Lipid Coatings on Surface Wettability Characteristics of Silicone Hydrogels. <i>Langmuir</i> , 2015, 31, 3820-3828.	1.6	15
142	Integrated microfluidic platform for instantaneous flow and localized temperature control. <i>RSC Advances</i> , 2015, 5, 85620-85629.	1.7	15
143	Flowering in bursting bubbles with viscoelastic interfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
144	Interfacial Assembly of Graphene Oxide: From Super Elastic Interfaces to Liquid–Liquid Printing. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	15

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145	Transient Birefringence of Elastomeric Polypropylene Subjected to Step Shear Strain. <i>Macromolecules</i> , 1999, 32, 8094-8099.	2.2	14
146	Non-Newtonian Rheology of Liquid Crystalline Polymer Monolayers. <i>Langmuir</i> , 2000, 16, 4325-4332.	1.6	14
147	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.	1.0	13
148	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.	1.2	13
149	Charge Interaction between Particle-Laden Fluid Interfaces. <i>Langmuir</i> , 2010, 26, 3160-3164.	1.6	13
150	Multiphase flow of miscible liquids: jets and drops. <i>Experiments in Fluids</i> , 2015, 56, 1.	1.1	13
151	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, 20160823.	1.5	13
152	Hyperspectral imaging for dynamic thin film interferometry. <i>Scientific Reports</i> , 2020, 10, 11378.	1.6	13
153	Viscoelastic interfaces comprising of cellulose nanocrystals and lauroyl ethyl arginate for enhanced foam stability. <i>Soft Matter</i> , 2020, 16, 3981-3990.	1.2	13
154	Evaporation-driven solutocapillary flow of thin liquid films over curved substrates. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	13
155	Engineering Insulin Cold Chain Resilience to Improve Global Access. <i>Biomacromolecules</i> , 2021, 22, 3386-3395.	2.6	12
156	Note: End Effects in Flow Birefringence Measurements. <i>Journal of Rheology</i> , 1989, 33, 771-779.	1.3	11
157	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.	1.1	11
158	The orientation dynamics of rigid rod suspensions under extensional flow. <i>Journal of Rheology</i> , 2003, 47, 371-388.	1.3	11
159	Bubble Coalescence at Wormlike Micellar Solution–Air Interfaces. <i>Langmuir</i> , 2020, 36, 11836-11844.	1.6	11
160	Physicochemical characteristics of droplet interface bilayers. <i>Advances in Colloid and Interface Science</i> , 2022, 304, 102666.	7.0	11
161	Dynamics of adsorbed polymer chains subjected to flow: The dumbbell model. <i>Journal of Polymer Science, Polymer Physics Edition</i> , 1983, 21, 151-157.	1.0	10
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