

# Gareth H Mckinley

## 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.

332  
papers

28,939  
citations

90  
h-index

160  
g-index

352  
ext. papers

31,921  
ext. citations

5.5  
avg, IF

7.33  
L-index

#	Paper	IF	Citations
332	OrthoChirp: A fast spectro-mechanical probe for monitoring transient microstructural evolution of complex fluids during shear. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2022</b> , 301, 104744	2.7	4
331	Rheo-chemistry of gelation in aiyu (fig) jelly. <i>Food Hydrocolloids</i> , <b>2022</b> , 123, 107001	10.6	1
330	Why the CoxMerz rule and Gleissle mirror relation work: A quantitative analysis using the Wagner integral framework with a fractional Maxwell kernel. <i>Physics of Fluids</i> , <b>2022</b> , 34, 033106	4.4	3
329	On Oreology, the fracture and flow of Hilk's favorite cookie □ <i>Physics of Fluids</i> , <b>2022</b> , 34, 043107	4.4	1
328	Versatile acid solvents for pristine carbon nanotube assembly.. <i>Science Advances</i> , <b>2022</b> , 8, eabm3285	14.3	3
327	Incorporating Rheological Nonlinearity into Fractional Calculus Descriptions of Fractal Matter and Multi-Scale Complex Fluids. <i>Fractal and Fractional</i> , <b>2021</b> , 5, 174	3	3
326	Time-connectivity superposition and the gel/glass duality of weak colloidal gels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	10
325	An improved Capillary Breakup Extensional Rheometer to characterize weakly rate-thickening fluids: Applications in synthetic automotive oils. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2021</b> , 291, 104496	2.7	4
324	Substrate-Versatile Direct-Write Printing of Carbon Nanotube-Based Flexible Conductors, Circuits, and Sensors. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100245	15.6	8
323	Flexible Electronics: Substrate-Versatile Direct-Write Printing of Carbon Nanotube-Based Flexible Conductors, Circuits, and Sensors (Adv. Funct. Mater. 25/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170181	15.6	1
322	Levitation of fizzy drops. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	2
321	In situ mechanical reinforcement of polymer hydrogels via metal-coordinated crosslink mineralization. <i>Nature Communications</i> , <b>2021</b> , 12, 667	17.4	18
320	Characterizing viscoelastic properties of synthetic and natural fibers and their coatings with a torsional pendulum. <i>Soft Matter</i> , <b>2021</b> , 17, 4578-4593	3.6	1
319	Crack morphologies in drying suspension drops. <i>Soft Matter</i> , <b>2021</b> , 17, 8832-8837	3.6	2
318	Spectral Universality of Elastoinertial Turbulence. <i>Physical Review Letters</i> , <b>2021</b> , 127, 074501	7.4	9
317	Medium amplitude parallel superposition (MAPS) rheology of a wormlike micellar solution. <i>Rheologica Acta</i> , <b>2021</b> , 60, 729	2.3	0
316	The medium amplitude response of nonlinear Maxwell-Doldroyd type models in simple shear. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2021</b> , 295, 104601	2.7	0

315	Low-cost manganese dioxide semi-solid electrode for flow batteries. <i>Joule</i> , <b>2021</b> ,	27.8	6
314	Programmable Anisotropy and Percolation in Supramolecular Patchy Particle Gels. <i>ACS Nano</i> , <b>2020</b> ,	16.7	9
313	High-energy and high-power Zn  Li flow batteries with semi-solid electrodes. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 4076-4085	5.8	9
312	Lubricant-Impregnated Surfaces for Mitigating Asphaltene Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 28750-28758	9.5	1
311	Stress decomposition in LAOS of dense colloidal suspensions. <i>Journal of Rheology</i> , <b>2020</b> , 64, 343-351	4.1	13
310	Medium amplitude parallel superposition (MAPS) rheology. Part 1: Mathematical framework and theoretical examples. <i>Journal of Rheology</i> , <b>2020</b> , 64, 551-579	4.1	12
309	Improved rheometry of yield stress fluids using bespoke fractal 3D printed vanes. <i>Journal of Rheology</i> , <b>2020</b> , 64, 643-662	4.1	16
308	Asphaltene Adsorption on Functionalized Solids. <i>Langmuir</i> , <b>2020</b> , 36, 3894-3902	4	8
307	Time-rate-transformation framework for targeted assembly of short-range attractive colloidal suspensions. <i>Materials Today Advances</i> , <b>2020</b> , 5, 100026	7.4	17
306	Rotary atomization of Newtonian and viscoelastic liquids. <i>Physical Review Fluids</i> , <b>2020</b> , 5,	2.8	5
305	Cooperative drag reduction in turbulent flows using polymer additives and superhydrophobic walls. <i>Physical Review Fluids</i> , <b>2020</b> , 5,	2.8	7
304	Polymers and Plastrons in Parallel Yield Enhanced Turbulent Drag Reduction. <i>Fluids</i> , <b>2020</b> , 5, 197	1.6	2
303	Medium amplitude parallel superposition (MAPS) rheology. Part 2: Experimental protocols and data analysis. <i>Journal of Rheology</i> , <b>2020</b> , 64, 1263-1293	4.1	5
302	Anti-fatigue-fracture hydrogels. <i>Science Advances</i> , <b>2019</b> , 5, eaau8528	14.3	155
301	Restoring universality to the pinch-off of a bubble. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 13780-13784	11.5	11
300	A generalised Phan-Thien-Tanner model. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2019</b> , 269, 88-99	2.7	19
299	Hydrodynamics control shear-induced pattern formation in attractive suspensions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 12193-12198	11.5	31
298	Geometric optimization of riblet-textured surfaces for drag reduction in laminar boundary layer flows. <i>Physics of Fluids</i> , <b>2019</b> , 31, 053601	4.4	15

297	Shear melting and recovery of crosslinkable cellulose nanocrystal-polymer gels. <i>Soft Matter</i> , <b>2019</b> , 15, 4401-4412	3.6	7
296	Influence of textural statistics on drag reduction by scalable, randomly rough superhydrophobic surfaces in turbulent flow. <i>Physics of Fluids</i> , <b>2019</b> , 31, 042107	4.4	39
295	Reduced adhesion of sparkling water droplets. <i>Physical Review Fluids</i> , <b>2019</b> , 4,	2.8	8
294	Fully-resolved simulations of particle-laden viscoelastic fluids using an immersed boundary method. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2019</b> , 266, 80-94	2.7	18
293	Multiscale Nature of Thixotropy and Rheological Hysteresis in Attractive Colloidal Suspensions under Shear. <i>Physical Review Letters</i> , <b>2019</b> , 123, 248003	7.4	18
292	Epidermal biopolysaccharides from plant seeds enable biodegradable turbulent drag reduction. <i>Scientific Reports</i> , <b>2019</b> , 9, 18263	4.9	9
291	A canonical framework for modeling elasto-viscoplasticity in complex fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2019</b> , 265, 116-132	2.7	25
290	Time-resolved dynamics of the yielding transition in soft materials. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2019</b> , 264, 117-134	2.7	34
289	Thin films in partial wetting: stability, dewetting and coarsening. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 845, 642-681	3.7	26
288	Scalable and durable polymeric icephobic and hydrate-phobic coatings. <i>Soft Matter</i> , <b>2018</b> , 14, 3443-3454	3.6	37
287	Theoretical and numerical analysis of unsteady fractional viscoelastic flows in simple geometries. <i>Computers and Fluids</i> , <b>2018</b> , 174, 14-33	2.8	12
286	Computing the linear viscoelastic properties of soft gels using an optimally windowed chirp protocol. <i>Journal of Rheology</i> , <b>2018</b> , 62, 1037-1050	4.1	19
285	Fog Water Collection Effectiveness: Mesh Intercomparisons. <i>Aerosol and Air Quality Research</i> , <b>2018</b> , 18, 270-283	4.6	33
284	Time-Resolved Mechanical Spectroscopy of Soft Materials via Optimally Windowed Chirps. <i>Physical Review X</i> , <b>2018</b> , 8,	9.1	15
283	Plastron Regeneration on Submerged Superhydrophobic Surfaces Using In Situ Gas Generation by Chemical Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 33684-33692	9.5	27
282	Enhancing the Performance of Viscous Electrode-Based Flow Batteries Using Lubricant-Impregnated Surfaces. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 3614-3621	6.1	4
281	Describing the firmness, springiness and rubberiness of food gels using fractional calculus. Part I: Theoretical framework. <i>Food Hydrocolloids</i> , <b>2017</b> , 62, 311-324	10.6	32
280	Quantifying the consistency and rheology of liquid foods using fractional calculus. <i>Food Hydrocolloids</i> , <b>2017</b> , 69, 242-254	10.6	28

279	Superoleophilic Titania Nanoparticle Coatings with Fast Fingerprint Decomposition and High Transparency. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 8354-8360	9.5	9
278	Microstructural Rearrangements and their Rheological Implications in a Model Thixotropic Elastoviscoplastic Fluid. <i>Physical Review Letters</i> , <b>2017</b> , 118, 048003	7.4	42
277	Visible light guided manipulation of liquid wettability on photoresponsive surfaces. <i>Nature Communications</i> , <b>2017</b> , 8, 14968	17.4	68
276	Fabrication and Wettability Study of WO Coated Photocatalytic Membrane for Oil-Water Separation: A Comparative Study with ZnO Coated Membrane. <i>Scientific Reports</i> , <b>2017</b> , 7, 1686	4.9	37
275	Nonlinear Viscoelasticity and Generalized Failure Criterion for Polymer Gels. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 663-667	6.6	31
274	Mapping thixo-elasto-visco-plastic behavior. <i>Rheologica Acta</i> , <b>2017</b> , 56, 195-210	2.3	60
273	Thermokinematic memory and the thixotropic elasto-viscoplasticity of waxy crude oils. <i>Journal of Rheology</i> , <b>2017</b> , 61, 427-454	4.1	58
272	Icephobic Surfaces Induced by Interfacial Nonfrozen Water. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 4202-4214	9.5	94
271	Drag reduction using wrinkled surfaces in high Reynolds number laminar boundary layer flows. <i>Physics of Fluids</i> , <b>2017</b> , 29, 093605	4.4	34
270	Age-dependent capillary thinning dynamics of physically-associated salivary mucin networks. <i>Journal of Rheology</i> , <b>2017</b> , 61, 1309-1326	4.1	8
269	Kinetics of Photoinduced Wettability Switching on Nanoporous Titania Surfaces under Oil. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1700462	4.6	15
268	A Rheological Study of the Association and Dynamics of MUC5AC Gels. <i>Biomacromolecules</i> , <b>2017</b> , 18, 3654-3664	6.9	69
267	Stable Wettability Control of Nanoporous Microstructures by iCVD Coating of Carbon Nanotubes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 43287-43299	9.5	28
266	Thermal delay of drop coalescence. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 833,	3.7	23
265	Rheology as a Mechanoscopic Method to Monitor Mineralization in Hydrogels. <i>Biomacromolecules</i> , <b>2017</b> , 18, 4067-4074	6.9	5
264	Describing the firmness, springiness and rubberiness of food gels using fractional calculus. Part II: Measurements on semi-hard cheese. <i>Food Hydrocolloids</i> , <b>2017</b> , 62, 325-339	10.6	25
263	Yield Hardening of Electrorheological Fluids in Channel Flow. <i>Physical Review Applied</i> , <b>2016</b> , 5,	4.3	10
262	Elastic instabilities in planar elongational flow of monodisperse polymer solutions. <i>Scientific Reports</i> , <b>2016</b> , 6, 33029	4.9	55

261	Sustained drag reduction in a turbulent flow using a low-temperature Leidenfrost surface. <i>Science Advances</i> , <b>2016</b> , 2, e1600686	14.3	72
260	The importance of flow history in mixed shear and extensional flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2016</b> , 233, 133-145	2.7	15
259	Durable and scalable icephobic surfaces: similarities and distinctions from superhydrophobic surfaces. <i>Soft Matter</i> , <b>2016</b> , 12, 1938-63	3.6	207
258	Spontaneous wettability patterning via creasing instability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 8087-92	11.5	12
257	Micro-scale extensional rheometry using hyperbolic converging/diverging channels and jet breakup. <i>Biomicrofluidics</i> , <b>2016</b> , 10, 043502	3.2	16
256	High-resolution velocity measurement in the inner part of turbulent boundary layers over super-hydrophobic surfaces. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 801, 670-703	3.7	59
255	Simultaneous Rheoelectric Measurements of Strongly Conductive Complex Fluids. <i>Physical Review Applied</i> , <b>2016</b> , 6,	4.3	42
254	Ultrathin high-resolution flexographic printing using nanoporous stamps. <i>Science Advances</i> , <b>2016</b> , 2, e1601660	16.6	67
253	Complex Fluids and Hydraulic Fracturing. <i>Annual Review of Chemical and Biomolecular Engineering</i> , <b>2016</b> , 7, 415-53	8.9	98
252	A low-dissipation, pumpless, gravity-induced flow battery. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 1760-1770	35.4	30
251	Coupled dynamics of flow, microstructure, and conductivity in sheared suspensions. <i>Soft Matter</i> , <b>2016</b> , 12, 7688-97	3.6	6
250	Ligament Mediated Fragmentation of Viscoelastic Liquids. <i>Physical Review Letters</i> , <b>2016</b> , 117, 154502	7.4	36
249	Mobility and pore-scale fluid dynamics of rate-dependent yield-stress fluids flowing through fibrous porous media. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2016</b> , 235, 76-82	2.7	15
248	Probing hydrogen bond interactions in a shear thickening polysaccharide using nonlinear shear and extensional rheology. <i>Carbohydrate Polymers</i> , <b>2015</b> , 123, 136-45	10.3	26
247	Sustainable drag reduction in turbulent Taylor-Couette flows by depositing sprayable superhydrophobic surfaces. <i>Physical Review Letters</i> , <b>2015</b> , 114, 014501	7.4	119
246	An analytic solution for capillary thinning and breakup of FENE-P fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2015</b> , 218, 53-61	2.7	23
245	Studying the effects of elongational properties on atomization of weakly viscoelastic solutions using Rayleigh Ohnesorge Jetting Extensional Rheometry (ROJER). <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2015</b> , 222, 171-189	2.7	89
244	Thin Films in Partial Wetting: Internal Selection of Contact-Line Dynamics. <i>Physical Review Letters</i> , <b>2015</b> , 115, 034502	7.4	21

243	Linker-free grafting of fluorinated polymeric cross-linked network bilayers for durable reduction of ice adhesion. <i>Materials Horizons</i> , <b>2015</b> , 2, 91-99	14.4	76
242	The rheology of aqueous solutions of ethyl hydroxy-ethyl cellulose (EHEC) and its hydrophobically modified analogue (hmEHEC): extensional flow response in capillary break-up, jetting (ROJER) and in a cross-slot extensional rheometer. <i>Soft Matter</i> , <b>2015</b> , 11, 3251-70	3.6	66
241	Quantitative polarized light microscopy of human cochlear sections. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 599-606	3.5	8
240	Designing Robust Hierarchically Textured Oleophobic Fabrics. <i>Langmuir</i> , <b>2015</b> , 31, 13201-13	4	14
239	Viscosity and thermal conductivity of stable graphite suspensions near percolation. <i>Nano Letters</i> , <b>2015</b> , 15, 127-33	11.5	29
238	Dynamics of particle migration in channel flow of viscoelastic fluids. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 785, 486-505	3.7	72
237	Mobility of power-law and Carreau fluids through fibrous media. <i>Physical Review E</i> , <b>2015</b> , 92, 063012	2.4	20
236	Layer-by-layer functionalized nanotube arrays: A versatile microfluidic platform for biodetection. <i>Microsystems and Nanoengineering</i> , <b>2015</b> , 1,	7.7	9
235	Spatiotemporal dynamics of multiple shear-banding events for viscoelastic micellar fluids in cone-plate shearing flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2015</b> , 222, 234-247	2.7	9
234	Biphasic Electrode Suspensions for Li-Ion Semi-solid Flow Cells with High Energy Density, Fast Charge Transport, and Low-Dissipation Flow. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1500535	21.8	51
233	Investigation into the Formation and Adhesion of Cyclopentane Hydrates on Mechanically Robust Vapor-Deposited Polymeric Coatings. <i>Langmuir</i> , <b>2015</b> , 31, 6186-96	4	36
232	Designing Durable Vapor-Deposited Surfaces for Reduced Hydrate Adhesion. <i>Advanced Materials Interfaces</i> , <b>2015</b> , 2, 1500003	4.6	35
231	Celebrating Soft Matter's 10th Anniversary: chain configuration and rate-dependent mechanical properties in transient networks. <i>Soft Matter</i> , <b>2015</b> , 11, 2085-96	3.6	28
230	Dropwise condensation of low surface tension fluids on omniphobic surfaces. <i>Scientific Reports</i> , <b>2014</b> , 4, 4158	4.9	129
229	An analytical solution to the extended Navier-Stokes equations using the Lambert W function. <i>AIChE Journal</i> , <b>2014</b> , 60, 1413-1423	3.6	7
228	Inertio-elastic focusing of bioparticles in microchannels at high throughput. <i>Nature Communications</i> , <b>2014</b> , 5, 4120	17.4	148
227	Polysulfide flow batteries enabled by percolating nanoscale conductor networks. <i>Nano Letters</i> , <b>2014</b> , 14, 2210-8	11.5	178
226	Metal-coordination: Using one of nature's tricks to control soft material mechanics. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 2467-2472	7.3	154

225	Response to: Sufficiently entangled polymers do show shear strain localization at high enough Weissenberg numbers. <i>Journal of Rheology</i> , <b>2014</b> , 58, 1071-1082	4.1	19
224	A fractional K-BKZ constitutive formulation for describing the nonlinear rheology of multiscale complex fluids. <i>Journal of Rheology</i> , <b>2014</b> , 58, 1751-1788	4.1	63
223	A comprehensive constitutive law for waxy crude oil: a thixotropic yield stress fluid. <i>Soft Matter</i> , <b>2014</b> , 10, 6619-44	3.6	138
222	Multifunctional inverted nanocone arrays for non-wetting, self-cleaning transparent surface with high mechanical robustness. <i>Small</i> , <b>2014</b> , 10, 2487-94	11	59
221	Dispersity and spinnability: Why highly polydisperse polymer solutions are desirable for electrospinning. <i>Polymer</i> , <b>2014</b> , 55, 4920-4931	3.9	71
220	Study of factors governing oil-water separation process using TiO <sub>2</sub> films prepared by spray deposition of nanoparticle dispersions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 13422-9	9.5	181
219	Shear-thinning nanocomposite hydrogels for the treatment of hemorrhage. <i>ACS Nano</i> , <b>2014</b> , 8, 9833-42	16.7	236
218	Quantification of feather structure, wettability and resistance to liquid penetration. <i>Journal of the Royal Society Interface</i> , <b>2014</b> , 11, 20140287	4.1	34
217	Wormlike micellar solutions: III. VCM model predictions in steady and transient shearing flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2014</b> , 211, 70-83	2.7	30
216	Interception efficiency in two-dimensional flow past confined porous cylinders. <i>Chemical Engineering Science</i> , <b>2014</b> , 116, 752-762	4.4	9
215	Surface Tension of Seawater. <i>Journal of Physical and Chemical Reference Data</i> , <b>2014</b> , 43, 043103	4.3	50
214	High-flux magnetorheology at elevated temperatures. <i>Rheologica Acta</i> , <b>2013</b> , 52, 623-641	2.3	17
213	Microfluidic extensional rheometry using a hyperbolic contraction geometry. <i>Rheologica Acta</i> , <b>2013</b> , 52, 529-546	2.3	98
212	Optimal design of permeable fiber network structures for fog harvesting. <i>Langmuir</i> , <b>2013</b> , 29, 13269-77	4	226
211	Flow field visualization of entangled polybutadiene solutions under nonlinear viscoelastic flow conditions. <i>Journal of Rheology</i> , <b>2013</b> , 57, 1411-1428	4.1	52
210	Utilizing dynamic tensiometry to quantify contact angle hysteresis and wetting state transitions on nonwetting surfaces. <i>Langmuir</i> , <b>2013</b> , 29, 13396-406	4	21
209	Structure evolution in electrorheological fluids flowing through microchannels. <i>Soft Matter</i> , <b>2013</b> , 9, 2889	3.6	21
208	Exploring the kinetics of switchable polymer surfaces with dynamic tensiometry. <i>Soft Matter</i> , <b>2013</b> , 9, 6080	3.6	14



207	Describing and prescribing the constitutive response of yield stress fluids using large amplitude oscillatory shear stress (LAOStress). <i>Journal of Rheology</i> , <b>2013</b> , 57, 27-70	4.1	177
206	Rapid viscoelastic switching of an ambient temperature range photo-responsive azobenzene side chain liquid crystal polymer. <i>Polymer</i> , <b>2013</b> , 54, 2850-2856	3.9	16
205	Droplet mobility on lubricant-impregnated surfaces. <i>Soft Matter</i> , <b>2013</b> , 9, 1772-1780	3.6	642
204	Drag reduction for viscous laminar flow on spray-coated non-wetting surfaces. <i>Soft Matter</i> , <b>2013</b> , 9, 5691-5698	3.6	106
203	Power-law rheology in the bulk and at the interface: quasi-properties and fractional constitutive equations. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2013</b> , 469, 20120284	2.4	143
202	Quantitative polarized light microscopy of unstained mammalian cochlear sections. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 26021	3.5	20
201	Sol-gel Synthesis of $\text{Au/Cu-TiO}_2$ Nanocomposite and Their Morphological and Optical Properties. <i>IEEE Photonics Journal</i> , <b>2013</b> , 5, 2201908-2201908	1.8	14
200	Capillary breakup of discontinuously rate thickening suspensions. <i>Physical Review Letters</i> , <b>2013</b> , 111, 036001	7.4	8
199	Extensional flow of hyaluronic acid solutions in an optimized microfluidic cross-slot device. <i>Biomicrofluidics</i> , <b>2013</b> , 7, 044108	3.2	53
198	Instabilities in stagnation point flows of polymer solutions. <i>Physics of Fluids</i> , <b>2013</b> , 25, 083104	4.4	32
197	Plasmon Resonance Enhanced Photocatalysis Under Visible Light with Au/Cu <sub>2</sub> O <sub>2</sub> Nanoparticles: Removal Cr (VI) from Water as a Case of Study. <i>Science of Advanced Materials</i> , <b>2013</b> , 5, 2007-2014	2.3	11
196	Cervical mucus properties stratify risk for preterm birth. <i>PLoS ONE</i> , <b>2013</b> , 8, e69528	3.7	40
195	Constant force extensional rheometry of polymer solutions. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2012</b> , 169-170, 26-41	2.7	27
194	Multiple Shear-Banding Transitions for a Model of Wormlike Micellar Solutions. <i>SIAM Journal on Applied Mathematics</i> , <b>2012</b> , 72, 1192-1212	1.8	22
193	Arrested chain growth during magnetic directed particle assembly in yield stress matrix fluids. <i>Langmuir</i> , <b>2012</b> , 28, 3683-9	4	14
192	Hydrate-phobic surfaces: fundamental studies in clathrate hydrate adhesion reduction. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 6013-20	3.6	50
191	Extensional rheology and elastic instabilities of a wormlike micellar solution in a microfluidic cross-slot device. <i>Soft Matter</i> , <b>2012</b> , 8, 536-555	3.6	82
190	Interplay between elastic instabilities and shear-banding: three categories of Taylor-Couette flows and beyond. <i>Soft Matter</i> , <b>2012</b> , 8, 10072	3.6	43

189	Shear and extensional rheology of cellulose/ionic liquid solutions. <i>Biomacromolecules</i> , <b>2012</b> , 13, 1688-996.9		132
188	Nanotextured silica surfaces with robust superhydrophobicity and omnidirectional broadband supertransmissivity. <i>ACS Nano</i> , <b>2012</b> , 6, 3789-99	16.7	313
187	Shear-banding in surfactant wormlike micelles: elastic instabilities and wall slip. <i>Soft Matter</i> , <b>2012</b> , 8, 2535	3.6	51
186	Superoleophobic surfaces through control of sprayed-on stochastic topography. <i>Langmuir</i> , <b>2012</b> , 28, 9834-41	4	70
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13	Extensional deformation of Newtonian liquid bridges. <i>Physics of Fluids</i> , <b>1996</b> , 8, 2568-2579	4.4	62
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