

REFEREED PUBLICATIONS – GARETH H. MCKINLEY

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JOURNAL PUBLICATIONS SUBMITTED/IN REVISION 2015

- Sharma, V., O. Pessinet, T.J. Ober, A. Söderland, P. Threlfall-Holmes, and G.H. McKinley, The Rheology of Aqueous Solutions of Ethyl Hydroxy-Ethyl Cellulose (EHEC) and its Hydrophobically-Modified Analogue (hmEHEC) I: High Shear Rate Viscosity, Normal Stress Difference and Fractional Maxwell Model. *Soft Matter*, (2014): submitted in revised form.
- Gondal, M.A., Sadullah, M.S., Panchanathan, D., McKinley, G.H., Varanasi, K.K., Study of Factors Governing Oil-Water Separation Process using TiO₂ Films Prepared by Spray-Deposition of Nanoparticle Dispersions, *ACS Appl. Mat & Int.* **6**(16), (2014). 13422-13429.
- Choi, H., K.-C. Park, H. Lee, T. Crouzier, M.F. Rubner, R.E. Cohen, and G.H. McKinley, Dactyloporous Surfaces. *Nat. Comm.*, 2014: p. in revision.
- Faber, T. J, Jaishankar, A.J., McKinley, G.H., Describing the Firmness, Springiness and Rubberiness of Food Gels using Fractional Calculus. Part II; Experiments with Cheese, *Food Hydrocolloids*, 2015
- Faber, T. J, Jaishankar, A., McKinley, G.H., Describing the Firmness, Springiness and Rubberiness of Food Gels using Fractional Calculus. Part I; Theoretical Framework, *Food Hydrocolloids*, 2015
- Olsen, T., Helal, A., McKinley, G.H., Kamrin, K., Coupled Dynamics of Flow, Microstructure and Conductivity in Sheared Suspensions, *Phys. Rev. Lett.* in preparation.
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- Kim, S., Zhao, H., Sojoudi, H., McKinley, G.H., Gleason, K.K., Hart, A.J. Micrometer Resolution Flexoprinting Using Nanoporous Stamps, *Advanced Materials*, submitted
- Keshavarz, B., Houze, E.C., Moore, J. R., Koerner, M. R., McKinley, G.H. Ligament-Mediated Fragmentation of Viscoelastic Liquids, *Phys Rev. Lett.* (2015), submitted
- Helal, A, Qian, B., McKinley, G.H., Hosoi, A.E., Yield Hardening of Electrorheological Fluids in Channel Flow, *Phys. Rev. Applied*, (2015), submitted.
- Wagner, C., McKinley, G.H., The Importance of Flow History in Mixed Shear and Extensional Flows, *J. Non-Newt. Fluid Mech.* (2015), submitted
- D. Chen, McKinley, G.H., Cohen, R.E., Spontaneous Wettability Patterning via Creasing Instability, *Proc. Nat. Acad. Sci.* (2015), submitted.
241. Sojoudi, H., Wang, M., Boscher, N. D., McKinley, G.H., Gleason, K.K., Durable and Scalable Icephobic Surfaces: Similarities and Distinctions from Superhydrophobic Surfaces, *Soft Matter*, (2016), in press
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