

LISTE DES PUBLICATIONS

- 2010 F. Seychelles, F. Ingremeau, C. Pradere, and H. Kellay. From intermittent to non intermittent behavior in two dimensional thermal convection in a soap bubble. *Physical Review Letter* **105** (26)
- 2011 D. Bonn, F. Ingremeau, Y. Amarouchene, and H. Kellay. Large velocity fluctuations in small-Reynolds-number pipe flow of polymer solutions *Physical Review E* **84** (4)
- 2013 A. Darwiche, F. Ingremeau, Y. Amarouchene, A. Maali, I. Dufour, and H. Kellay. Rheology of polymer solutions using Colloidal Probe Atomic Force Microscopy *Physical Review E* **87** (6)
- 2013 F. Ingremeau and H. Kellay. Stretching Polymers in Droplet-Pinch-Off Experiments *Physical Review X* **3** (4)
- 2014 D. Samanta, F. Ingremeau, R. Cerbus, T. Tran, W. I. Goldberg, P. Chakraborty, and H. Kellay. Scaling of near-wall flows in quasi-two-dimensional turbulent channels *Physical review letters* **113** (2)
- 2014 U. Laci, N. Brosse, F. Ingremeau, A. Mazzino, F. Lundell, H. Kellay, and S. Bagheri. Passive appendage generate drift through symmetry breaking. *Nature communications* **5**
- 2015 A. Persat, C. D. Nadell, K. Kim, F. Ingremeau, A. Siryaporn, K. Drescher, N. S. Wingreen, B. L. Bassler, Z. Gitai and H. A. Stone. The Mechanical World of Bacteria. *Cell* **161** (5)
- 2015 F. Boulogne, F. Ingremeau, J. Dervaux, L. Limat and H. A. Stone. Uniform Deposition of particles on swelling gels. *Europhysics Letters* **112** (4)
- 2016 K. Kim, F. Ingremeau, Aishan Zhao, B. L. Bassler, and H. A. Stone. Local and global consequences of flow on bacterial quorum sensing. *Nature microbiology* **1**
- 2016 F. Boulogne, F. Ingremeau, Laurent limat, and H. A. Stone. Tuning the receding contact angle on hydrogels by addition of particles. *Langmuir* **32** (22)
- 2016 F. Boulogne, F. Ingremeau, and H. A. Stone. Coffee-stain growth dynamics on dry and wet surfaces. *Journal of Physics: Condensed Matter* **29** (7)
- 2017 M. Dolega, M. Delarue, F. Ingremeau, J. Prost, A. Delon and G. Cappello. Cell-like pressure sensors reveal increase of mechanical stress towards the core of multicellular spheroids under compression. *Nature Communications* **8**:14056
- 2017 F. Ingremeau, M. Dolega, J. Gallagher, I. Wang, G. Cappello and A. Delon. Optical sensing of mechanical pressure based on diffusion measurement in polyacrylamide cell-like barometers. *accepted Soft Matter*