

Publications

183. J. Abacousnac, J. Brujic, D. G. Grier, “Measuring colloidomer hydrodynamics with holographic video microscopy,” *Phys. Rev. E*, submitted for publication (2024).
182. W. Chen, L. Sixdenier, A. McMullen, D. Grier, J. Brujic, “Refractive-index and density-matched emulsions with programmable DNA interactions,” *Soft Matter*, in press (2024).
181. D. G. Grier, E. King, M. Morrell, “Thunder and lightning: a revolution in wave-matter interactions,” *Proc. SPIE* **12901**, 1290102 (2024).
180. N. S. Jackson, J. Abacousnac, K. M. Snyder, L. Damaraju, D. G. Grier, M. Weck, “Muscle-like colloidal actuators via reversible solvent response,” *Adv. Func. Mater.*, submitted for publication (2024).
179. M. C. Morrell, J. Lee, D. G. Grier, “Spectral holographic trapping: Creating dynamic force landscapes with polyphonic waves,” *Phys. Rev. E* **109**, 044901 (2024).
178. J. B. Sustiel, D. G. Grier, “Complex dynamics of an acoustically levitated fluid droplet captured by a low-order Immersed Boundary Method,” *Phys. Fluids*, submitted for publication (2024).
177. L. E. Altman, D. G. Grier, “Machine learning enables precise holographic characterization of colloidal materials in real time,” *Soft Matter* **19**, 3002–3014 (2023).
176. L. E. Altman, A. D. Hollingsworth, D. G. Grier, “Anomalous tumbling of colloidal ellipsoids in Poiseuille flows,” *Phys. Rev. E* **108**, 034609 (2023).
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