

Prajnaparamita Dhar

Publications:

1. S. Aliaskarisohi, P. Tierno, **P. Dhar**, Z. Khattari, M. Blaszczynski, J. Kohler, and Th. M. Fischer *On the diffusion of circular domains on a spherical vesicle* **J. Fluid Mech.**, 654, 417-451 (2010).
2. **P. Dhar**, Y. Cao, T. Fischer, J. Zasadzinski, *Active Interfacial Microrheology of Aging Protein Films* **Physical Review Letters** 104, 016001-4 (2010).
3. J. A. Zasadzinski, P. C. Stenger, I. Shieh, **P. Dhar**, *Overcoming Rapid Inactivation of Lung Surfactant: Analogies Between Competitive Adsorption and Colloid Stability* Invited Review **BBA:Biomembranes** In Press (2009) (doi:10.1016/j.bbamem.2009.12.010).
4. T. Fischer and **P. Dhar** *Comment on "Osmotic propulsion: The osmotic motor"* **Physical Review Letters**, 102,159801 (2009)[Selected for publication by Virtual Journal of Nanoscale Science and Technology, April 27, 2009 issue].
5. **P. Dhar**,P. Stenger, J. Zasadzinski *Alterations In Phase And Morphology Of A Lung Surfactant Monolayer in contact with surfactant in the sub-phase induced by cholesterol and native surface active proteins* **Biophys. J** 96(3), Supplement 1, 610a-611a (2009)
6. **P. Dhar**, V. Prasad, E. Weeks, T. Bohlein, T. Fischer, *Immersion of nanoparticles at a salt solution air interface* **J. Phys. Chem. B** 112, 9565-9567 (2008).
7. **P. Dhar**, P. Tierno, J. Hare, T. Johansen, T. Fischer, *Curvature driven motion of mouse macrophages in a pulsating magnetic film ratchet* **J. Phys. Chem. B** , 111, 13097-13100(2007).
8. **P. Dhar**, C. Swayne, T. Kline, A. Sen, T. Fischer, *Orientations of over damped magnetic nano-gyroscopes* **Nano Letters**, 7, 1010-1012(2007).
9. **P. Dhar**, Y. Cao, T. Kline, P. Pal , C. Swanye, T. Fischer, B Miller, T. Mallouk, A Sen, T Johensen *Autonomously moving Local Nanoprobes in Heterogeneous Magnetic Fields* **J. Phys. Chem. C**, 111, 3607-3613(2007).
10. **P. Dhar** Th. M. Fischer, Y. Wang, T. E. Mallouk, W. E. Paxton and A. Sen, *Autonomously moving nanorods at a viscous interface*, **Nano Letters** 6(1), 66-72(2006).
11. Th. M. Fischer, **P. Dhar**, Peter Heinig, *The viscous drag of sphere and filaments moving in membranes or monolayer* , **J. Fluid Mech.** .558, 451-475(2006).
12. A. Singha, **P. Dhar**, and A. Roy, *A nondestructive tool for nanomaterials: Raman and photoluminescence spectroscopy* **Am J. Physics**, 73(3), 224-233(2005).