

The Zocchi Group: Publications

BOOKS

Kim Sneppen and Giovanni Zocchi, “Physics in Molecular Biology” (Cambridge University Press, 2005).

Giovanni Zocchi, “Molecular Machines: A Materials Science Approach” (Princeton University Press, 2018).

ARTICLES

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3. G. Zocchi, B. Shaw, A. Libchaber and L. Kadanoff, “Finger narrowing under local perturbations in the Saffmann-Taylor problem”, *Phys. Rev. A* **36**, 1894 (1987).
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6. E. Moses, G. Zocchi, I. Procaccia and A. Libchaber, “The dynamics and interactions of laminar thermal plumes”, *Europhys. Lett.* **14**, 55 (1991).
7. L. Kadanoff, A. Libchaber, E. Moses, and G. Zocchi, “Turbulence dans une boite”, *La Recherche* **232**, 628 (1991).
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12. P. Tabeling, G. Zocchi, F. Belin, J. Maurer, H. Willaime, "Probability density functions, skewness and flatness in large Reynolds number turbulence", *Phys. Rev. E* **53**, 1613 (1996).
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14. G. Zocchi, "Proteins unfold in steps", *Proc. Natl. Acad. Sci. USA* **94**, 10647 (1997).
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17. A. Hansen, M. Jensen, K. Sneppen, and G. Zocchi, "Statistical mechanics of warm and cold unfolding in proteins", *Eur. Phys. J. B* **6**, 157 (1998).
18. M. Singh-Zocchi, A. Andreasen, and G. Zocchi, "Osmotic pressure contribution of albumin to colloidal interactions", *Proc. Natl. Acad. Sci. USA* **96**, 6711 (1999).
19. A. Hansen, M. Jensen, K. Sneppen, and G. Zocchi, "Hot and cold denaturation of proteins: critical aspects", *Eur. Phys. J. B* **10**, 193 (1999).
20. A. Hansen, M. Jensen, K. Sneppen, and G. Zocchi, "A model for the thermodynamics of globular proteins" *Physica A* **270**, 278 (1999).

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27. G. Zocchi, A. Omerzu, T. Kuriabova, J. Rudnick, G. Gruner, "Duplex-single strand denaturing transition in DNA oligomers", *cond-mat/0304567* (2003).
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