

Full publication list 2022

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Publications

Articles in refereed journals

2022

- [118] D. Breoni, F.J. Schwarzendahl, R. Blossey, H. Löwen
A one-dimensional three-state run-and-tumble model with a full cycle Eur. Phys. J. E **45**, 83 <https://doi.org/10.1140/epje/s10189-022-00238-7> (2022)
- [117] R. Blossey, R. Podgornik
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- [116] R. Blossey, R. Podgornik
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- [115] D. Breoni, R. Blossey, H. Löwen
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2021

- [114] D. Breoni, H. Löwen, R. Blossey
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Phys. Rev. E **103**, 052602 (2021)
- [113] H. Berthoumieux, G. Monet, R. Blossey
Dipolar Poisson models in a dual view
J. Chem. Phys. **155**, 024112 (2021)
- [112] F. Cleri, M.F. Lensink, R. Blossey
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2020

- [111] A. Majee , M. Bier, R. Blossey, R. Podgornik
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[108] R. Blossey, H. Schiessel
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[106] S. Buyukdagli, T. Alla-Nissila, R. Blossey
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Unreviewed articles

R. Blossey, C. Russo, J.-F. Bodart
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in : Oncogene Proteins : New Research, A.H. Malloy, E.C. Carson (eds.), Nova Science Publishers, Hauppauge, NY (USA) (2008)

R. Blossey
Modeling the Cell Cycle of Caulobacter crescentus
in : Cell Cycle Regulation and Development in Alphaproteobacteria, E. Biondi, ed., Springer (2022)

Books

I have written four books. The first appeared in 2006 and is dedicated to applications of statistical physics to computational biology. This book has just been updated in a second edition in 2019. In 2012 I published a volume summarizing my research on wetting and thin films. In 2017, I published a book on chromatin, meant as an introduction to the field for biophysics graduates and researchers. My latest book is an (advanced) introduction to Poisson-Boltzmann theory.

*Computational Biology :
A Statistical Mechanics Perspective*, CRC Press (2006) ; 2nd edition (2019)

Thin liquid films : Dewetting and polymer flow, Springer (2012)

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