

## SELECTED PUBLICATIONS

\* indicates **Undergraduate student** co-author

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- *First Passage percolation: Scaling and Critical Exponents*, Amy L. Ritzenberg and Richard J. Cohen, *Phys. Rev. B* **30**, 4038-4040 (1984).
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- *Continuum percolation of rods*, A.L.R. Bug, S.A. Safran and I. Webman, *Phys. Rev. Lett.* **54**, 1412-1415 (1985).
- *Dynamic percolation in microemulsions*, Gary S. Grest, I. Webman, S.A. Safran and A.L. R. Bug, *Phys. Rev. A.* **33**, 2842-845 (1986).
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- *Scaling behavior of atomic trajectories in confined fluids*, A.L.R. Bug and B.J. Berne, *Phys. Rev. A* **44**, 4953-4960 (1991).

- *Diffusion-limited Reactions in Spherical Cavities*, A.L.R. Bug, E.L. Grossman\*, D.D. Morgan III\* and B.J. Berne, *J. Chem. Phys.* **96**, 8840-8852 (1992).
- *Nonlinear Vibrational Dynamics of a Neon Atom in C60* , A.L.R. Bug, A. Wilson\* and G.A. Voth, *J. Phys. Chem.* **96**, 7864-7869 (1992).
- *Hands-on and Computer Simulations*, Brian Hasson and Amy L. R. Bug, *The Physics Teacher* **33**, 230-236 (1995).
- *Classical and Quantum Transition State Theory for the Diffusion of Helium in Silica Sodalite*, M. Murphy\* , G. Voth and A.L.R. Bug, *J. Phys. Chem. B* **101**,491-503 (1997).
- *Computational study of molecular hydrogen in zeolite Na-A Part I: Potential Energy surfaces and thermodynamic separation factors for ortho and para hydrogen* , C-R. Anderson\*, D.F. Coker, J. Eckert and A.L.R. Bug, *J. Chem. Phys.* **111**, 7599-7613 (1999).
- *Calculation of Neutron Spectra for Hydrogen in Zeolites: Rotational Motions and the inclusion of Translational Motions in the Born-Oppenheimer Limit* , A.L.R. Bug and G.J. Martyna, *Chemical Physics* **261** , 89-110 (2000).
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- *New Theories for Positrons in Insulators*, Philip A. Sterne, Peter Hastings \* , Lisa Larrimore \* , and Amy L.R. Bug, *Radiation Physics and Chemistry* **68**, 409-414 (2003).
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- *Swimming against the unseen tide*, Amy Bug, PhysicsWorld, 16-17 (August, 2010).
- *Why does Mentoring End?* Cindy Blaha, Amy L.R. Bug, Anne Cox, Linda Fritz and Barbara Whitten in *Mentoring Strategies to Facilitate the Advancement of Women Faculty*, K. Karukstis, B.L. Gourley, M. Rossi and L.L. Wright, editors (ACS Press, 2011).
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- *Swimming against the Tide: Gender Bias in the Physics Classroom* Amy L. Graves, Etsuko Hoshino-Brown, Kris Lui, Journal of Women and Minorities in Science, **23** (1), 15-36 (2017).
- *Book chapter: To render the extraordinary, ordinary: acknowledging bias and barriers in National Diversity workshops in Chemical Sciences, ACS Symposium Series*, Vol. 1277 (2018) +
- *INVITED Refereed paper: Bidirectional flow of active matter* Rachel Diamond\*, Eduard Saakaskvili\*, Jimmy Shah\* and Amy L. Graves (to be submitted to *Entropy* in 2019)
- *WORK IN PROGRESS Structured Randomness: Jamming within lattices* Prairie Wentworth-Nice\*, Sean Ridout, and Amy L. Graves (to be submitted to Soft Matter in 2019)

+ *Note: A clerical error, which Editor R. Hernandez acknowledges, omitted this chapter from this volume. You can find both slides from the presentation, and text to accompany them, uploaded at the Graves website.*