

Publications intéressantes

Dans Journal of Chemical Education

2023

- [Foregrounding the Code: Computational Chemistry Instructional Activities Using a Highly Readable Fluid Simulation Code](#)
- [An Alternative Experimental Procedure to Determine the Solubility of Potassium Nitrate in Water with Automatic Data Acquisition Using Arduino for Secondary School: Development and Validation with Pre-Service Chemistry Teachers](#)
- [A Computational Experiment Introducing Undergraduates to Geometry Optimizations, Vibrational Frequencies, and Potential Energy Surfaces](#)
- [Interactive Python Notebooks for Physical Chemistry](#)
- [Interactive Learning of Diffusion and the Diffusion Equation with Mathematical Software | Journal of Chemical Education](#)

2021



- [Applying Density Functional Theory to Common Organic Mechanisms: A Computational Exercise](#) Jonathan P. Antle, Masashi W. Kimura, Stefano Racioppi, Corey Damon, Meredith Lang, Caitlyn Gatley-Montross, Laura S. Sánchez B., Daniel P. Miller, Eva Zurek, Adam M. Brown, Kellie Gast, and Scott M. Simpson, J. Chem. Educ. 2022, XXXX, XXX, XXX-XXX Publication Date: November 30, 2022 DOI: 10.1021/acs.jchemed.2c00935

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- [Total Chemical Footprint of an Experiment: A Systems Thinking Approach to Teaching Rovibrational Spectroscopy](#) Paul D. Cooper, Jacob Walser, J. Chem. Educ. 2019, 96(12), 2947-2951 DOI: 10.1021/acs.jchemed.9b00405

- [Valorization of Waste Orange Peel to Produce Shear-Thinning Gels](#) Lucy S. Mackenzie, Helen Tyrrell, Robert Thomas, Avtar S. Matharu, James H. Clark, Glenn A. Hurst, *J. Chem. Educ.* 2019, 96(12), 3025-3029 DOI: 10.1021/acs.jchemed.8b01009
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- [Teaching Entropy from Phase Space Perspective: Connecting the Statistical and Thermodynamic Views Using a Simple One-Dimensional Model](#) Dhritiman Bhattacharyya, Jahan M. Dawlaty, *J. Chem. Educ.* 2019, 96(10), 2208-2216 DOI: 10.1021/acs.jchemed.9b00134
- [Demystifying Mathematical Modeling of Electrochemical Systems](#) Lisa I. Stephens, Janine Mauzeroll, *J. Chem. Educ.* 2019, 96(10), 2217-2224 DOI: 10.1021/acs.jchemed.9b00542
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- [Bouncing Droplets: A Hands-On Activity To Demonstrate the Properties and Applications of Superhydrophobic Surface Coatings](#) Carolina Cionti, Tommaso Taroni, Daniela Meroni, *J. Chem. Educ.* 2019, 96(9), 1971-1976 DOI: 10.1021/acs.jchemed.9b00406
- [Chemical Curiosity on Campus: An Undergraduate Project on the Structure and Wettability of Natural Surfaces](#) Anthony Katselas, Alice Motion, Chiara O'Reilly, Chiara Neto, *J. Chem. Educ.* 2019, 96(9), 1998-2002 DOI: 10.1021/acs.jchemed.9b00324
- [Alternative Derivation of the Maxwell Distribution of Speeds](#) Francisco Rivadulla, *J. Chem. Educ.* 2019, 96(9), 2063-2065 DOI: 10.1021/acs.jchemed.9b00188
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