

Publications intéressantes

Dans Journal of Chemical Education

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- [Creating and Experimenting with a Low-Cost, Rugged System to Visually Demonstrate the Vapor Pressure of Liquids as a Function of Temperature](#) Rodrigo Papai, Mayara Araujo Romano, Aline Rodrigues Arroyo, Bárbara Rodrigues da Silva, Bruno Tresoldi, Gabriela Cabo Winter, Julia Messias Costa, Maria Aparecida Freitas Santos, Matheus Damasceno Prata, and Ivanise Gaubeur, *J. Chem. Educ.*, 2019, 96 (2), pp 335–341 DOI: 10.1021/acs.jchemed.8b00381
- [Teaching Boyle's Law and Charles' Law through Experiments that Use Novel, Inexpensive Equipment Yielding Accurate Results](#) Taweetham Limpanuparb, Siradanai Kanithasevi, Maytouch Lojanarungsiri, and Puh Pakwilaikiat, *J. Chem. Educ.*, 2019, 96 (1), pp 169–174 DOI: 10.1021/acs.jchemed.8b00460
- [Simple and Low-Cost Setup for Measurement of the Density of a Liquid](#) Nima Noei, Iman Mohammadi Imani, Lee D. Wilson, and Saeid Azizian, *J. Chem. Educ.*, 2019, 96 (1), pp 175–179 DOI: 10.1021/acs.jchemed.7b00979
- [Reduction of Water Waste in an Organic Chemistry Laboratory Using a Low-Cost Recirculation System for Condenser Apparatus](#) Alex Schoeddert, Keshwaree Babooram, and Sarah Pelletier J. *Chem. Educ.*, 2019, 96 (1), pp 180–182 DOI: 10.1021/acs.jchemed.8b00400
- [Graphical Representation of Hydrogenic Orbitals: Incorporating Both Radial and Angular Parts of the Wave Function](#) Meghna A. Manae and Anirban Hazra, *J. Chem. Educ.*, 2019, 96 (1), pp 187–190 DOI: 10.1021/acs.jchemed.8b00372

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- [Wetting Modification by Photocatalysis: A Hands-on Activity To Demonstrate Photoactivated Reactions at Semiconductor Surfaces](#) Luca Rimoldi, Tommaso Taroni, and Daniela Meroni, *J. Chem. Educ.*, 2018, 95 (12), pp 2216–2221 DOI: 10.1021/acs.jchemed.8b00362
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- [Using the Principles of Classical and Statistical Thermodynamics To Calculate the Melting and Boiling Points, Enthalpies and Entropies of Fusion and Vaporization of Water, and the Freezing Point Depression and Boiling Point Elevation of Ideal and Nonideal Aqueous Solutions](#) Arthur M. Halpern and Charles J. Marzzacco, *J. Chem. Educ.*, 2018, 95 (12), pp 2205–2211 DOI: 10.1021/acs.jchemed.8b00561
- [The Gibbs Phase Rule: What Happens When Some Phases Lack Some Components?](#) Deepika Janakiraman, *J. Chem. Educ.*, 2018, 95 (11), pp 2086–2088 DOI: 10.1021/acs.jchemed.8b00377
- [Liquid Crystal Demonstration of Binary Phase Behavior for the Classroom](#) Marissa E. Tousley, *J. Chem. Educ.*, 2018, 95 (11), pp 2000–2005 DOI: 10.1021/acs.jchemed.8b00081
- [Approximate Equation To Calculate Partial Pressures in a Mixture of Real Gases](#) Bernard Hayez, *J. Chem. Educ.*, 2018, 95 (11), pp 1982–1988 DOI: 10.1021/acs.jchemed.8b00185
- [Investigation of the Ternary Phase Diagram of Water-Propan-2-ol-Sodium Chloride: A Laboratory Experiment](#) Cory C. Pye, M. Angélique Imperial, Coltin Elson, Megan L. Himmelman,

Jacquelyn A. White, and Fuhao Lin, *J. Chem. Educ.*, 2018, 95 (8), pp 1398–1401 DOI: 10.1021/acs.jchemed.8b00242

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- [Facilitating Students' Interaction with Real Gas Properties Using a Discovery-Based Approach and Molecular Dynamics Simulations](#) Chelsea Sweet, Oyewumi Akinfenwa, and Jonathan J. Foley, *J. Chem. Educ.*, 2018, 95 (3), pp 384–392 DOI: 10.1021/acs.jchemed.7b00747

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- [Adapting and Modifying the Apparatus for Students To Accurately Determine the Freezing Point of a Solvent and Solution](#) Shirong Li, Jianzhong Guo, Kewang Wang, Lin Chen, Daodao Hu, and Yunshan Bai, *J. Chem. Educ.*, 2017, 94 (10), pp 1590–1593 DOI: 10.1021/acs.jchemed.7b00253
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- [Assembling and Using a Simple, Low-Cost, Vacuum Filtration Apparatus That Operates without Electricity or Running Water](#) Fengxiu Zhang, Yiwei Hu, Yaling Jia, Yonghua Lu, and Guangxian Zhang, *J. Chem. Educ.*, 2016, 93 (10), pp 1818–1820 DOI: 10.1021/acs.jchemed.5b00997
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- [Determination of Surface Tension of Surfactant Solutions through Capillary Rise Measurements: An Image-Processing Undergraduate Laboratory Experiment](#), Cristián Huck-Iriart, Ariel De-Candia, Javier Rodriguez, and Carlos Rinaldi, *J. Chem. Educ.*, 2016, 93 (9), pp 1647–1651 DOI: 10.1021/acs.jchemed.6b00128

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- [Cost Effective Paper-Based Colorimetric Microfluidic Devices and Mobile Phone Camera Readers for the Classroom](#) Myra T. Koesdjojo, Sumate Pengpumkiat, Yuanyuan Wu, Anukul Boonloed, Daniel Huynh, Thomas P. Remcho, and Vincent T. Remcho, *J. Chem. Educ.*, 2015, 92 (4), pp 737–741 DOI: 10.1021/ed500401d
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- [The hot chocolate effect might have practical application](#)
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