

J Charles Williamson

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

877
citations

933447

10
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

567
citing authors

#	ARTICLE	IF	CITATIONS
1	Clocking transient chemical changes by ultrafast electron diffraction. <i>Nature</i> , 1997, 386, 159-162.	27.8	242
2	Ultrafast Electron Diffraction. 5. Experimental Time Resolution and Applications. <i>The Journal of Physical Chemistry</i> , 1994, 98, 2782-2796.	2.9	127
3	Ultrafast diffraction and molecular structure. <i>Chemical Physics Letters</i> , 1992, 196, 529-534.	2.6	114
4	Ultrafast electron diffraction. Velocity mismatch and temporal resolution in crossed-beam experiments. <i>Chemical Physics Letters</i> , 1993, 209, 10-16.	2.6	97
5	Ultrafast Electron Diffraction. 4. Molecular Structures and Coherent Dynamics. <i>The Journal of Physical Chemistry</i> , 1994, 98, 2766-2781.	2.9	83
6	Structural femtochemistry: experimental methodology.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 5021-5025.	7.1	67
7	Femtochemistry at high pressures. The dynamics of an elementary reaction in the gas-liquid transition region. <i>Chemical Physics Letters</i> , 1993, 213, 289-296.	2.6	48
8	Analyzing linear and angular momentum conservation in digital videos of puck collisions. <i>American Journal of Physics</i> , 2000, 68, 841-847.	0.7	25
9	Teaching the Rovibronic Spectroscopy of Molecular Iodine. <i>Journal of Chemical Education</i> , 2007, 84, 1355.	2.3	14
10	Molecular Iodine Fluorescence Using a Green Helium-Neon Laser. <i>Journal of Chemical Education</i> , 2011, 88, 816-818.	2.3	12
11	The accuracy of liquid-liquid phase transition temperatures determined from semiautomated light scattering measurements. <i>Journal of Chemical Physics</i> , 2010, 133, 074506.	3.0	11
12	Molecular Iodine Fluorescence Spectra Generated with Helium-Neon Lasers for Spectrometer Calibration. <i>Applied Spectroscopy</i> , 2010, 64, 1419-1422.	2.2	9
13	Liquid-Liquid Demonstrations: Phase Equilibria and the Lever Rule. <i>Journal of Chemical Education</i> , 2021, 98, 2356-2363.	2.3	6
14	Liquid-Liquid Demonstrations: Critical Opalescence. <i>Journal of Chemical Education</i> , 2021, 98, 2364-2369.	2.3	5
15	Determination of liquid-liquid critical point composition using light scattering. <i>Physical Review E</i> , 2016, 93, 042610.		
16	Interactive Two-Component Phase Diagrams. <i>Journal of Chemical Education</i> , 2009, 86, 653.	2.3	3
17	Sweetness of Aspartame: Introducing Key Statistical Concepts in an Upper Division Bioanalytical Laboratory Project. <i>Journal of Chemical Education</i> , 2021, 98, 1233-1241.	2.3	3
18	The Stir-Settle Approach to Semiautomated Light Scattering Determination of Liquid-Liquid Coexistence Curves. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 1433-1437.	1.9	2

#	ARTICLE	IF	CITATIONS
19	A Molecular Iodine Spectral Data Set for Rovibronic Analysis. <i>Journal of Chemical Education</i> , 2013, 90, 383-385.	2.3	2
20	Liquidâ€“Liquid Demonstrations: Spinodal Decomposition. <i>Journal of Chemical Education</i> , 2021, 98, 2370-2375.	2.3	2
21	Subwavenumber charge-coupled device spectrometer calibration using molecular iodine laser-induced fluorescence. <i>Review of Scientific Instruments</i> , 2010, 81, 013110.	1.3	1
22	Liposome permeability probed by laser light scattering. <i>Biochemistry and Molecular Biology Education</i> , 2019, 47, 239-246.	1.2	0