James M Lisy

List of Publications by Year
in descending order

47 papers	2,687 citations	201674 27 h-index	214800 47 g-index
47 all docs	47 docs citations	47 times ranked	1483 citing authors

#	Article	IF	Citations
1	Rethinking Ion Transport by Ionophores: Experimental and Computational Investigation of Single Water Hydration in Valinomycin-K⁺ Complexes. Journal of Physical Chemistry Letters, 2021, 12, 1754-1758.	4.6	16
2	Potassium and sodium ion complexes with a partial peptide of the selectivity filter in K⁺ channels studied by cold ion trap infrared spectroscopy: the effect of hydration. Physical Chemistry Chemical Physics, 2021, 23, 12045-12050.	2.8	7
3	Double Ion Trap Laser Spectroscopy of Alkali Metal Ion Complexes with a Partial Peptide of the Selectivity Filter in K⁺ Channelsâ€Temperature Effect and Barrier for Conformational Conversions. Journal of Physical Chemistry A, 2021, 125, 9609-9618.	2.5	12
4	Alkali and Alkaline Earth Metal Ions Complexes with a Partial Peptide of the Selectivity Filter in K⁺ Channels Studied by a Cold Ion Trap Infrared Spectroscopy. ChemPhysChem, 2020, 21, 712-724.	2.1	17
5	Ionâ€“peptide interactions between alkali metal ions and a termini-protected dipeptide: modeling a portion of the selectivity filter in K⁺ channels. Physical Chemistry Chemical Physics, 2019, 21, 561-571.	2.8	21
6	Gas-Phase Ion Spectroscopy of Congo Red Dianions and Their Complexes with Betaine. Journal of Physical Chemistry A, 2018, 122, 3211-3217.	2.5	5
7	Influence of argon and D₂ tagging on the hydrogen bond network in Cs⁺(H₂O)₃; kinetic trapping below 40 K. Physical Chemistry Chemical Physics, 2018, 20, 28476-28486.	2.8	11
8	Building a Modern Chemistry Undergraduate Program at Hanoi University of Science-Vietnam National University: A Vietnamâ˜U.S. Partnership. ACS Symposium Series, 2017, , 15-32.	0.5	1
9	Insights into the Structures of the Gas-Phase Hydrated Cations M⁺(H₂O)_nAr (M = Li, Na, K, Rb, and Cs; n = 3â€“5) Using Infrared Photodissociation Spectroscopy and Thermodynamic Analysis. Journal of Physical Chemistry A, 2015, 119, 2037-2051.	2.5	33
10	Stalking Higher Energy Conformers on the Potential Energy Surface of Charged Species. Journal of Chemical Theory and Computation, 2015, 11, 871-883.	5.3	16
11	Modeling the CH Stretch Vibrational Spectroscopy of M⁺[Cyclohexane] (M = Li, Na, and K) Ions. Journal of Physical Chemistry A, 2015, 119, 10293-10299.	2.5	18
12	Insights into Gas-Phase Structural Conformers of Hydrated Rubidium and Cesium Cations, M⁺(H₂O)_nAr (M = Rb, Cs; n = 3â€“5), Using Infrared Photodissociation Spectroscopy. Journal of Physical Chemistry A, 2014, 118, 1363-1373.	2.5	16
13	Oâ€“H anharmonic vibrational motions in Clâ˜â‹¯(CH3OH)1â˜2 ionic clusters. Combined IRPD experiments and AIMD simulations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 119, 12-17.	3.9	14
14	Anharmonic vibrations of Nâ€“H in Clâ˜(N-methylacetamide)1(H2O)0â€“2Ar2 cluster ions. Combined IRPD experiments and BOMD simulations. Physical Chemistry Chemical Physics, 2013, 15, 16736.	2.8	14
15	Charge and Temperature Effects on Hydrated Tryptamine Cluster Ions. Journal of Physical Chemistry A, 2011, 115, 2669-2678.	2.5	9
16	Revisiting Li⁺(H₂O)_{3â€“4}Ar₁ Clusters: Evidence of High-Energy Conformers from Infrared Spectra. Journal of Physical Chemistry Letters, 2011, 2, 1444-1448.	4.6	39
17	Infrared spectroscopy of gas-phase hydrated K+:18-crown-6 complexes: Evidence for high energy conformer trapping using the argon tagging method. International Journal of Mass Spectrometry, 2009, 283, 135-139.	1.5	53
18	Charge and Temperature Dependence of Biomolecule Conformations: K⁺Tryptamine(H₂O)_{n=0â˜1}Ar_{m=0â˜1} Cluster Ions. Journal of the American Chemical Society, 2009, 131, 6314-6315.	13.7	37

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19	Entropic Effects on Hydrated Alkali-Metal Cations: Infrared Spectroscopy and ab Initio Calculations of M⁺(H₂O)_{x=2â^'5} Cluster Ions for M = Li, Na, K, and Cs. Journal of the American Chemical Society, 2008, 130, 15393-15404.	13.7	107
20	Hydrated Alkali-Metal Cations: Infrared Spectroscopy and ab Initio Calculations of M⁺(H₂O)_{x=2â^'5}Ar cluster ions for M = Li, Na, K, and Cs. Journal of the American Chemical Society, 2008, 130, 15381-15392.	13.7	134
21	Modeling Competitive Interactions in Proteins:â€‰ Vibrational Spectroscopy of M⁺(n-methylacetamide)₁(H₂O)_n₌₀₋<sub> M = Na and K, in the 3 Î¼m Region. Journal of Physical Chemistry A, 2007, 111, 12409-12416.	2.5	31
22	The Chemistry Merit Program: Reaching, Teaching, and Retaining Students in the Chemical Sciences. Journal of Chemical Education, 2007, 84, 721.	2.3	18
23	Infrared studies of ionic clusters: The influence of Yuan T. Lee. Journal of Chemical Physics, 2006, 125, 132302.	3.0	90
24	Investigation of competing interactions in alkali metal ionâ€“acetoneâ€“water clusters. Chemical Physics Letters, 2005, 408, 54-58.	2.6	12
25	Characterization of hydrated Na+(phenol) and K+(phenol) complexes using infrared spectroscopy. Journal of Chemical Physics, 2004, 120, 721-730.	3.0	40
26	Cationâ^'Ï€ Interactions:â€‰ A Theoretical Investigation of the Interaction of Metallic and Organic Cations with Alkenes, Arenes, and Heteroarenes. Journal of Physical Chemistry A, 2003, 107, 1228-1238.	2.5	226
27	IR Photodissociation Spectroscopy of Na+[H2O]m[C6F6]n Clusters:â€‰ Evidence for Separation of Aqueous and Nonaqueous Phases. Journal of Physical Chemistry A, 2003, 107, 9495-9498.	2.5	19
28	Mimicking the solvation of aqueous Na+ in the gas phase. Journal of Chemical Physics, 2003, 118, 8555-8558.	3.0	75
29	Rotational structure in the asymmetric OH stretch of Cs+(H2O)Ar. Journal of Chemical Physics, 2002, 117, 4628-4631.	3.0	64
30	Solvation of the Fluoride Anion by Methanolâ€. Journal of Physical Chemistry A, 2002, 106, 10015-10021.	2.5	29
31	The solvation of chloride by methanolâ€"surface versus interior cluster ion states. Journal of Chemical Physics, 1999, 110, 9516-9526.	3.0	77
32	Size selectivity by cationâ€"Ï€ interactions: Solvation of K+ and Na+ by benzene and water. Journal of Chemical Physics, 1999, 110, 8429-8435.	3.0	214
33	Modeling Internal Energy Distributions in Ion Clusters:Â Comparison between Experiment and Simulations. Journal of Physical Chemistry A, 1999, 103, 8777-8791.	2.5	48
34	Competitive solvation of K+ by benzene and water: Cation-Ï€ interactions and Ï€-hydrogen bonds. Journal of Chemical Physics, 1998, 108, 5151-5154.	3.0	154
35	Spectroscopy and structure of solvated alkali-metal ions. International Reviews in Physical Chemistry, 1997, 16, 267-289.	2.3	198
36	Vibrational predissociation spectroscopy of Cs+(H2O)1â^'5. Journal of Chemical Physics, 1996, 105, 2938-2941.	3.0	103

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37	Gas-Phase Cluster Ion Vibrational Spectroscopy of Na+(CH3OH)2-7. The Journal of Physical Chemistry, 1996, 100, 15305-15308.	2.9	58
38	Vibrational spectroscopy of small (HF)nclusters (n=4â€“8) in sizeâ€selected molecular beams. Journal of Chemical Physics, 1995, 103, 5366-5377.	3.0	56
39	Selective ion solvation in mixed solvents: Vibrational spectroscopy of Cs+[(CH3)2CO]N(CH3OH)M cluster ions. Journal of Chemical Physics, 1994, 100, 4790-4796.	3.0	23
40	Vibrational spectroscopy of Cs+ solvated by methylamine. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1993, 26, 207-209.	1.0	5
41	Gas phase solvation of Na+ with methanol. Journal of Chemical Physics, 1992, 96, 7268-7278.	3.0	51
42	Dissociation of small methanol clusters after excitation of the Oâ€“H stretch vibration at 2.7 Î¼. Journal of Chemical Physics, 1991, 95, 3924-3929.	3.0	151
43	Gasâ€phase methanol solvation of Cs+ : Vibrational spectroscopy and Monte Carlo simulation. Journal of Chemical Physics, 1990, 93, 4589-4602.	3.0	95
44	Infrared spectroscopy of massâ€selected Cs(CH3OH)+N N=4â€“16. Journal of Chemical Physics, 1988, 89, 605-606.	3.0	41
45	New cavity design for a LiNbO3 optical parametric oscillator. Review of Scientific Instruments, 1986, 57, 1210-1212.	1.3	27
46	Electrical properties of ammonia and the structure of the ammonia dimer. Journal of Chemical Physics, 1986, 85, 2077-2083.	3.0	64
47	Changes in the electronic structure and vibrational potential of hydrogen fluoride upon dimerization: A wellâ€correlated (HF)2potential energy surface. Journal of Chemical Physics, 1984, 81, 5998-6006.	3.0	138