

David A Bonhommeau

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

404
citations

840776

11
h-index

752698

20
g-index

31
all docs

31
docs citations

31
times ranked

399
citing authors

#	ARTICLE	IF	CITATIONS
1	MeCaSDa and ECaSDa: Methane and ethene calculated spectroscopic databases for the virtual atomic and molecular data centre. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 130, 62-68.	2.3	83
2	Mixed quantum/classical investigation of the photodissociation of NH ₃ (Ȧ ₁ f) and a practical method for maintaining zero-point energy in classical trajectories. <i>Journal of Chemical Physics</i> , 2008, 129, 014302.	3.0	47
3	Coupled-surface investigation of the photodissociation of NH ₃ (Ȧ ₁ f): Effect of exciting the symmetric and antisymmetric stretching modes. <i>Journal of Chemical Physics</i> , 2009, 130, 234303.	3.0	34
4	Dissociative ionization of neon clusters Nen, n=3 to 14: A realistic multisurface dynamical study. <i>Journal of Chemical Physics</i> , 2005, 123, 054316.	3.0	29
5	Fragmentation dynamics of argon clusters (Arn, n=2 to 11) following electron-impact ionization: Modeling and comparison with experiment. <i>Journal of Chemical Physics</i> , 2006, 124, 184314.	3.0	27
6	Fragmentation of rare-gas clusters ionized by electron impact: new theoretical developments and comparison with experiments. <i>International Reviews in Physical Chemistry</i> , 2007, 26, 353-390.	2.3	26
7	CO ₂ Diffusion in Champagne Wines: A Molecular Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1839-1847.	2.6	20
8	Fragmentation dynamics of ionized neon trimer inside helium nanodroplets: A theoretical study. <i>Journal of Chemical Physics</i> , 2004, 120, 11359-11362.	3.0	17
9	Fragmentation of size-selected Xe clusters: Why does the monomer ion channel dominate the Xen and ionization?. <i>International Journal of Mass Spectrometry</i> , 2009, 280, 78-84.	1.5	15
10	Modelization of the fragmentation dynamics of krypton clusters (Krn, n=2-11) following electron impact ionization. <i>Journal of Chemical Physics</i> , 2006, 124, 164308.	3.0	14
11	Fragmentation dynamics of ionized neon clusters (Nen, n=3-14) embedded in helium nanodroplets. <i>Journal of Chemical Physics</i> , 2006, 124, 024328.	3.0	11
12	Unveiling the Interplay Between Diffusing CO ₂ and Ethanol Molecules in Champagne Wines by Classical Molecular Dynamics and ¹³ C NMR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 4232-4237.	4.6	11
13	Charge localization in multiply charged clusters and their electrical properties: Some insights into electrospray droplets. <i>Journal of Chemical Physics</i> , 2012, 136, 184503.	3.0	9
14	Structure and stability of charged clusters. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 284130.	1.8	8
15	Dynamics and thermodynamics of decay in charged clusters. <i>Molecular Physics</i> , 2015, 113, 2428-2434.	1.7	8
16	MCMC2 : A Monte Carlo code for multiply-charged clusters. <i>Computer Physics Communications</i> , 2013, 184, 873-884.	7.5	7
17	Fragmentation dynamics of Ar ₄ He ₁₀₀₀ upon electron impact ionization: Competition between ion ejection and trapping. <i>Journal of Chemical Physics</i> , 2020, 152, 234305.	3.0	7
18	The Physical Origin of the Venus Low Atmosphere Chemical Gradient. <i>Astrophysical Journal</i> , 2019, 880, 82.	4.5	6

