Ryan J Dirisio

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7789821/publications.pdf

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14	278	1163117 8	1125743 13
papers	citations	h-index	g-index

14	14	14	351
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Computational molecular spectroscopy. Nature Reviews Methods Primers, 2021, 1, .	21.2	73
2	Iron Polypyridyl Complexes for Photocatalytic Hydrogen Generation. Inorganic Chemistry, 2016, 55, 8865-8870.	4.0	62
3	Electrocatalytic hydrogen evolution by an iron complex containing a nitro-functionalized polypyridyl ligand. Polyhedron, 2016, 114, 133-137.	2.2	27
4	Tag-Free and Isotopomer-Selective Vibrational Spectroscopy of the Cryogenically Cooled H₉O₄⁺ Cation with Two-Color, IRâ€“IR Double-Resonance Photoexcitation: Isolating the Spectral Signature of a Single OH Group in the Hydronium Ion Core. Journal of Physical Chemistry A, 2018, 122, 9275-9284.	2.5	27
5	Spectral signatures of proton delocalization in H⁺(H₂O)_{n=1â^'4} ions. Faraday Discussions, 2018, 212, 443-466.	3.2	18
6	Disentangling the Complex Vibrational Mechanics of the Protonated Water Trimer by Rational Control of Its Hydrogen Bonds. Journal of Physical Chemistry A, 2019, 123, 7965-7972.	2.5	16
7	Isolating the Contributions of Specific Network Sites to the Diffuse Vibrational Spectrum of Interfacial Water with Isotopomer-Selective Spectroscopy of Cold Clusters. Journal of Physical Chemistry A, 2020, 124, 10393-10406.	2.5	16
8	Fast Near Ab Initio Potential Energy Surfaces Using Machine Learning. Journal of Physical Chemistry A, 2022, 126, 4013-4024.	2.5	10
9	GPU-Accelerated Neural Network Potential Energy Surfaces for Diffusion Monte Carlo. Journal of Physical Chemistry A, 2021, 125, 5849-5859.	2.5	8
10	Guided Diffusion Monte Carlo: A Method for Studying Molecules and Ions That Display Large Amplitude Vibrational Motions. Journal of Physical Chemistry A, 2020, 124, 9567-9577.	2.5	7
11	Diffusion Monte Carlo approaches for studying nuclear quantum effects in fluxional molecules. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2022, 12, .	14.6	6
12	Using Diffusion Monte Carlo Wave Functions to Analyze the Vibrational Spectra of H₇O₃⁺ and H₉O₄⁺. Journal of Physical Chemistry A, 2021, 125, 7185-7197.	2.5	5
13	Viewpoints on the 2020 Virtual Conference on Theoretical Chemistry. Journal of Physical Chemistry A, 2020, 124, 8875-8883.	2.5	2
14	Diffusion Monte Carlo Approaches for Studying Large Amplitude Vibrational Motions in Molecules and Clusters. , 2022, , 145-173.		1