Irina I Mizus

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/666905/publications.pdf

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14	617	840776 11	1125743 13
papers	citations	h-index	g-index

14	14	14	543
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A global potential energy surface for H₃⁺. Molecular Physics, 2019, 117, 1663-1672.	1.7	18
2	Potential energy surface, dipole moment surface and the intensity calculations for the 10 Âµm, 5 Âµm and 3 Âµm bands of ozone. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 210, 127-135.	2.3	14
3	High-accuracy water potential energy surface for the calculation of infrared spectra. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170149.	3.4	29
4	A new spectroscopically-determined potential energy surface and ab initio dipole moment surface for high accuracy HCN intensity calculations. Journal of Molecular Spectroscopy, 2018, 353, 40-53.	1.2	10
5	ExoMol molecular line lists â€“ XX. A comprehensive line list for H3+. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1717-1725.	4.4	32
6	Communication: Visible line intensities of the triatomic hydrogen ion from experiment and theory. Journal of Chemical Physics, 2014, 141, 241104.	3.0	16
7	IUPAC critical evaluation of the rotationalâ€“vibrational spectra of water vapor, Part III: Energy levels and transition wavenumbers for H216O. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 117, 29-58.	2.3	215
8	Global spectroscopy of the water monomer. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 2728-2748.	3.4	34
9	Spectroscopy of H ₃ ⁺ based on a new high-accuracy global potential energy surface. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 5014-5027.	3.4	33
10	Precision Measurements and Computations of Transition Energies in Rotationally Cold Triatomic Hydrogen Ions up to the Midvisible Spectral Range. Physical Review Letters, 2012, 108, 023002.	7.8	88
11	Calibration-quality adiabatic potential energy surfaces for ${m H}_3^+$H3+ and its isotopologues. Journal of Chemical Physics, 2012, 136, 184303.	3.0	72
12	Optimized semiempirical potential energy surface for H2 16O up to 26000 cmâ”1. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2011, 110, 160-166.	0.6	51
13	Bremsstrahlung from collisions of low-energy electrons with positive ions in a magnetic field. Journal of Experimental and Theoretical Physics, 2009, 108, 917-927.	0.9	5
14	Strong linear polarization of bremsstrahlung emissivity in photospheres of magnetic white dwarfs. Journal of Physics: Conference Series, 2009, 172, 012052.	0.4	0