

Patrick

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

251
citations

9
h-index

15
g-index

22
ext. papers

262
ext. citations

2.8
avg, IF

3.55
L-index

#	Paper	IF	Citations
21	Hyperfine transitions in the first overtone mode of hydrogen deuteride. <i>Physical Review A</i> , 2020 , 101,	2.6	6
20	Dipole saturated absorption modeling in frequency modulation spectroscopy: Dealing with a Gaussian beam, resonance narrowing. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019 , 232, 126-145	2.1	1
19	Dipole saturated absorption modeling in gas phase: Dealing with a Gaussian beam. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018 , 205, 196-212	2.1	5
18	Sub-Doppler noise-immune cavity-enhanced optical heterodyne molecular spectrometry modeling: from Doppler broadening to cross-sideband resonances. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015 , 32, 838	1.7	8
17	Photodissociation resonances of jet-cooled NO ₂ at the dissociation threshold by CW-CRDS. <i>Journal of Chemical Physics</i> , 2015 , 142, 174305	3.9	2
16	Birefringence-induced frequency beating in high-finesse cavities by continuous-wave cavity ring-down spectroscopy. <i>Physical Review A</i> , 2015 , 92,	2.6	13
15	Saturated absorption and crossover resonances in a high-finesse cavity: Formalism and application to the hyperfine structure of jet-cooled NO ₂ by saturated-absorption cavity-ring-down spectroscopy. <i>Physical Review A</i> , 2012 , 85,	2.6	8
14	Internal rotation, centrifugal distortion, reduction and molecular reference frames. <i>Molecular Physics</i> , 2012 , 110, 31-35	1.7	
13	Axis-switching in the vibrationless $\tilde{\nu}_3$ -X transition of the jet-cooled deuterated methyl peroxy radical CD ₃ O ₂ . <i>Journal of Chemical Physics</i> , 2011 , 134, 244308	3.9	4
12	Internal rotation: single diagonalization approach versus standard approaches, application to the methyl peroxy radical $\tilde{\nu}_3$ -X transition. <i>Journal of Chemical Physics</i> , 2011 , 134, 244309	3.9	4
11	The vibrationless A. <i>Journal of Chemical Physics</i> , 2007 , 127, 224305	3.9	24
10	Quasi-Fourier-transform limited, scannable, high energy titanium-sapphire laser source for high resolution spectroscopy. <i>Review of Scientific Instruments</i> , 2007 , 78, 033102	1.7	19
9	High-resolution IR cavity ring-down spectroscopy of jet-cooled free radicals and other species. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 1682-9	3.6	27
8	Continuous-wave cavity ringdown spectroscopy of the 8 ν polyad of water in the 25,195-25,340 cm ⁻¹ range. <i>Journal of Chemical Physics</i> , 2005 , 123, 154307	3.9	29
7	Jet-cooled laser spectroscopy of the cyclohexoxy radical. <i>Journal of Chemical Physics</i> , 2004 , 120, 10579-939		23
6	Probing molecular species by cavity ringdown laser absorption spectroscopy, application to the spectroscopy and dynamics of jet-cooled NO ₂ . <i>Comptes Rendus Physique</i> , 2001 , 2, 929-964		3
5	High resolution spectrum of NO ₂ loosely bound states: densities of states and long range forces. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 2268-2274	3.6	7

4	Quantum beat spectroscopic studies of Zeeman anticrossings in the $\pi\pi^*$ Au state of the acetylene molecule (C ₂ H ₂). <i>Chemical Physics</i> , 1995 , 196, 211-238	2.3	27
3	Study of Zeeman anticrossing spectra of the $\pi\pi^*$ Au state of the acetylene molecule (C ₂ H ₂) by Fourier transform: product ν_{vibV} and isomerization barrier. <i>Chemical Physics</i> , 1995 , 196, 239-266	2.3	21
2	Characterization of a large single-triplet coupling in the $\pi\pi^*$ state of the acetylene molecule. <i>Chemical Physics Letters</i> , 1993 , 212, 555-560	2.5	16
1	Very numerous rovibrational levels of tellurium vapor (¹³⁰ Te ₂) induced laser transitions. <i>Optics Communications</i> , 1987 , 64, 431-436	2	4