Patrick

List of Publications by Citations

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	Continuous-wave cavity ringdown spectroscopy of the 8nu polyad of water in the 25,195-25,340 cm(-1) range. *Journal of Chemical Physics*, **2005**, 123, 154307	3.9	29
20	High-resolution IR cavity ring-down spectroscopy of jet-cooled free radicals and other species. *Physical Chemistry Chemical Physics*, **2006**, 8, 1682-9	3.6	27
19	Quantum beat spectroscopic studies of Zeeman anticrossings in the □□1Au state of the acetylene molecule (C2H2). *Chemical Physics*, **1995**, 196, 211-238	2.3	27
18	The vibrationless A. *Journal of Chemical Physics*, **2007**, 127, 224305	3.9	24
17	Jet-cooled laser spectroscopy of the cyclohexoxy radical. *Journal of Chemical Physics*, **2004**, 120, 10579-93	3.9	23
16	Study of Zeeman anticrossing spectra of the □□1Au state of the acetylene molecule (C2H2) by Fourier transform: product ?vibV> and isomerization barrier. *Chemical Physics*, **1995**, 196, 239-266	2.3	21
15	Quasi-Fourier-transform limited, scannable, high energy titanium-sapphire laser source for high resolution spectroscopy. *Review of Scientific Instruments*, **2007**, 78, 033102	1.7	19
14	Characterization of a large single-triplet coupling in the □□state of the acetylene molecule. *Chemical Physics Letters*, **1993**, 212, 555-560	2.5	16
13	Birefringence-induced frequency beating in high-finesse cavities by continuous-wave cavity ring-down spectroscopy. *Physical Review A*, **2015**, 92,	2.6	13
12	Sub-Doppler noise-immune cavity-enhanced optical heterodyne molecular spectrometry modeling: from Doppler broadening to cross-sideband resonances. *Journal of the Optical Society of America B: Optical Physics*, **2015**, 32, 838	1.7	8
11	Saturated absorption and crossover resonances in a high-finesse cavity: Formalism and application to the hyperfine structure of jet-cooled NO2 by saturated-absorption cavity-ring-down spectroscopy. *Physical Review A*, **2012**, 85,	2.6	8
10	High resolution spectrum of NO2 loosely bound states: densities of states and long range forces. *Physical Chemistry Chemical Physics*, **2001**, 3, 2268-2274	3.6	7
9	Hyperfine transitions in the first overtone mode of hydrogen deuteride. *Physical Review A*, **2020**, 101,	2.6	6
8	Dipole saturated absorption modeling in gas phase: Dealing with a Gaussian beam. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2018**, 205, 196-212	2.1	5
7	Axis-switching in the vibrationless □□-X transition of the jet-cooled deuterated methyl peroxy radical CD3O2. *Journal of Chemical Physics*, **2011**, 134, 244308	3.9	4
6	Internal rotation: single diagonalization approach versus standard approaches, application to the methyl peroxy radical □□-X transition. *Journal of Chemical Physics*, **2011**, 134, 244309	3.9	4
5	Very numerous rovibrational levels of tellurium vapor (130Te2) induced laser transitions. *Optics Communications*, **1987**, 64, 431-436	2	4

List of Publications

4	Probing molecular species by cavity ringdown laser absorption spectroscopy, application to the spectroscopy and dynamics of jet-cooled NO2. *Comptes Rendus Physique*, **2001**, 2, 929-964		3
3	Photodissociation resonances of jet-cooled NO2 at the dissociation threshold by CW-CRDS. *Journal of Chemical Physics*, **2015**, 142, 174305	3.9	2
2	Dipole saturated absorption modeling in frequency modulation spectroscopy: Dealing with a Gaussian beam, resonance narrowing. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2019**, 232, 126-145	2.1	1
1	Internal rotation, centrifugal distortion, reduction and molecular reference frames. *Molecular Physics*, **2012**, 110, 31-35	1.7	