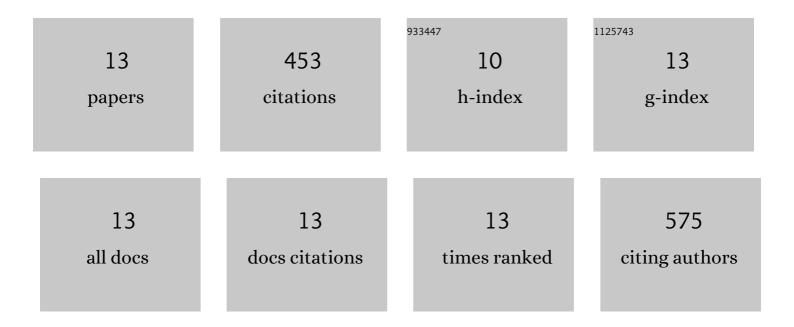
Christian Boulet

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Toward measurements of the speed-dependence of line-mixing. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 262, 107510.	2.3	4
2	Measurements and semi-empirical calculations of CO2 + CH4 and CO2 + H2 collision-induced absorptic across a wide range of wavelengths and temperatures. Application for the prediction of early Mars surface temperature. Icarus, 2020, 346, 113762.	on 2.5	31
3	Update of the HITRAN collision-induced absorption section. Icarus, 2019, 328, 160-175.	2.5	105
4	Far infrared measurements of absorptions by CH4 + CO2 and H2 + CO2 mixtures and implications for greenhouse warming on early Mars. Icarus, 2019, 321, 189-199.	2.5	31
5	Effect of humidity on the absorption continua of CO2 and N2 near 4 <i>μ</i> m: Calculations, comparisons with measurements, and consequences for atmospheric spectra. Journal of Chemical Physics, 2018, 148, 054304.	3.0	16
6	Recent advances in collisional effects on spectra of molecular gases and their practical consequences. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 213, 178-227.	2.3	85
7	Line interference effects using a refined Robert-Bonamy formalism: The test case of the isotropic Raman spectra of autoperturbed N2. Journal of Chemical Physics, 2014, 140, 084310.	3.0	14
8	Line coupling effects in the isotropic Raman spectra of N2: A quantum calculation at room temperature. Journal of Chemical Physics, 2014, 140, 044303.	3.0	6
9	Line mixing effects in isotropic Raman spectra of pure N2: A classical trajectory study. Journal of Chemical Physics, 2014, 141, 184306.	3.0	5
10	Semiclassical calculations of half-widths and line shifts for transitions in the 30012â†00001 and 30013â†00001 bands of CO2, I: Collisions with N2. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 976-990.	2.3	43
11	Semiclassical calculations of half-widths and line shifts for transitions in the 30012â†00001 and 30013â†00001 bands of CO2 II: Collisions with O2 and air. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 991-1003.	2.3	41
12	Semiclassical calculations of half-widths and line shifts for transitions in the 30012â†00001 and 30013â†00001 bands of CO2. III: Self collisions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 1536-1546.	2.3	45
13	Comparison of quantum, semi-classical and classical methods in the calculation of nitrogen self-broadened linewidths. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 1887-1897	2.3	27