

Christian Boulet

List of Publications by Year in descending order

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13
papers

453
citations

933447

10
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

575
citing authors

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