

Gang Li

List of Publications by Year in descending order

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22
papers

3,581
citations

687220

13
h-index

713332

21
g-index

22
all docs

22
docs citations

22
times ranked

4035
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurements of N ₂ , CO ₂ , Ar, O ₂ and Air Pressure Broadening Coefficients of the HCl P(5) Line in the 1 μ m Band Using an Interband Cascade Laser. Applied Sciences (Switzerland), 2021, 11, 5190.	1.3	4
2	He-broadening and shifting coefficients of HCl lines in the (1 μ m) and (2 μ m) infrared transitions. Molecular Physics, 2018, 116, 3495-3502.	0.8	9
3	High-resolution Fourier transform measurements of air-induced broadening and shift coefficients in the 0002 μ m main isotopologue band of nitrous oxide. Journal of Molecular Spectroscopy, 2018, 348, 68-78.	0.4	2
4	Positions, intensities and line shape parameters for the 1 μ m bands of CO isotopologues. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 218, 203-230.	1.1	14
5	Super- and sub-Lorentzian effects in the Ar-broadened line wings of HCl gas. Journal of Chemical Physics, 2017, 146, 194305.	1.2	15
6	Broadening and shift coefficients for the (2 μ m) overtone band of HCl (1.76 μ m) induced by exhaust gases CO and CO ₂ . Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 203, 434-439.	1.1	8
7	Collision-induced line parameters for the (2 μ m) overtone band of HCl (1.76 μ m) in binary mixtures with H ₂ and CH ₄ . Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 199, 71-76.	1.1	7
8	High-resolution Fourier transform measurements of line strengths in the 00 ⁰² -00 ⁰⁰ main isotopologue band of nitrous oxide. Applied Optics, 2017, 56, E99.	2.1	7
9	FTIR based measurements of the 2-0 band of HCl at 1.76 μ m broadened by CO ₂ . , 2016, , .		1
10	Line strengths of rovibrational and rotational transitions in the $X^1\Sigma^+$ ground state of OH. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 168, 142-157.	1.1	106
11	ROVIBRATIONAL LINE LISTS FOR NINE ISOTOPOLOGUES OF THE CO MOLECULE IN THE $X^1\Sigma^+$ GROUND ELECTRONIC STATE. Astrophysical Journal, Supplement Series, 2015, 216, 15.	3.0	276
12	FTIR-based measurements of self-broadening and self-shift coefficients as well as line strength in the first overtone band of HCl at 1.76 μ m. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 165, 76-87.	1.1	19
13	EINSTEIN A COEFFICIENTS AND OSCILLATOR STRENGTHS FOR THE $X^2\Sigma^+$ AND $B^2\Sigma^+$ (RED) AND $B^2\Sigma^+$ - $X^2\Sigma^+$ μ m. Astrophysical Journal, Supplement Series, 2014, 210, 23.	3.0	116
14	Reference spectroscopic data for hydrogen halides, Part II: The line lists. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 130, 284-295.	1.1	22
15	The HITRAN2012 molecular spectroscopic database. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 130, 4-50.	1.1	2,810
16	Reference spectroscopic data for hydrogen halides. Part I: Construction and validation of the ro-vibrational dipole moment functions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 121, 78-90.	1.1	45
17	Einstein A coefficients and absolute line intensities for the $E2^1\Sigma^+$ transition of CaH. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 67-74.	1.1	30
18	Ammonia line lists from 1650 to 4000 cm^{-1} . Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 670-679.	1.1	24

#	ARTICLE	IF	CITATIONS
19	HOT NH ₃ SPECTRA FOR ASTROPHYSICAL APPLICATIONS. <i>Astrophysical Journal</i> , 2011, 735, 111.	1.6	32
20	Fourier transform emission spectroscopy of YH and YD: Observation of new A $\hat{1}^{\prime\prime}$ and B $\hat{1}^{\prime}$ electronic states. <i>Journal of Chemical Physics</i> , 2011, 135, 194308.	1.2	2
21	Direct fit of experimental ro-vibrational intensities to the dipole moment function: Application to HCl. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 1543-1550.	1.1	30
22	Fourier-transform infrared emission spectroscopy of BO. <i>Journal of Molecular Spectroscopy</i> , 2010, 263, 123-125.	0.4	2