

# 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	The HITRAN2012 molecular spectroscopic database. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 130, 4-50.	1.1	2,810
2	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
3	EINSTEIN $A$ COEFFICIENTS AND OSCILLATOR STRENGTHS FOR THE $A^2\tilde{\Gamma}^-$ $X^1\Sigma^+$ $\leftarrow$ $X^2\Sigma^+$ $\tilde{\Gamma}^-$ (RED) AND $B^2\Sigma^+$ $\tilde{\Gamma}^-$ $X^2\Sigma^+$ $\tilde{\Gamma}^-$ . Astrophysical Journal, Supplement Series, 2014, 210, 23.	3.0	116
4	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
5	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
6	HOT $NH_3$ SPECTRA FOR ASTROPHYSICAL APPLICATIONS. Astrophysical Journal, 2011, 735, 111.	1.6	32
7	Direct fit of experimental ro-vibrational intensities to the dipole moment function: Application to HCl. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 1543-1550.	1.1	30
8	Einstein A coefficients and absolute line intensities for the $E2 \leftarrow X2^+$ transition of CaH. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 67-74.	1.1	30
9	Ammonia line lists from 1650 to 4000 $cm^{-1}$ . Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 670-679.	1.1	24
10	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
11	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 $\mu m$ . Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 165, 76-87.	1.1	19
12	Super- and sub-Lorentzian effects in the Ar-broadened line wings of HCl gas. Journal of Chemical Physics, 2017, 146, 194305.	1.2	15
13	Positions, intensities and line shape parameters for the $1\hat{+}0$ bands of CO isotopologues. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 218, 203-230.	1.1	14
14	He-broadening and shifting coefficients of HCl lines in the $(1\hat{+}0)$ and $(2\hat{+}0)$ infrared transitions. Molecular Physics, 2018, 116, 3495-3502.	0.8	9
15	Broadening and shift coefficients for the $(2\hat{+}0)$ overtone band of HCl (1.76 $\mu m$ ) induced by exhaust gases CO and CO <sub>2</sub> . Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 203, 434-439.	1.1	8
16	Collision-induced line parameters for the $(2\hat{+}0)$ overtone band of HCl (1.76 $\mu m$ ) in binary mixtures with H <sub>2</sub> and CH <sub>4</sub> . Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 199, 71-76.	1.1	7
17	High-resolution Fourier transform measurements of line strengths in the $00^0-00^0$ main isotopologue band of nitrous oxide. Applied Optics, 2017, 56, E99.	2.1	7
18	Measurements of N <sub>2</sub> , CO <sub>2</sub> , Ar, O <sub>2</sub> and Air Pressure Broadening Coefficients of the HCl P(5) Line in the $1\hat{-}0$ Band Using an Interband Cascade Laser. Applied Sciences (Switzerland), 2021, 11, 5190.	1.3	4

#	ARTICLE	IF	CITATIONS
19	Fourier-transform infrared emission spectroscopy of BO. Journal of Molecular Spectroscopy, 2010, 263, 123-125.	0.4	2
20	Fourier transform emission spectroscopy of YH and YD: Observation of new A $\hat{1}^{\prime\prime}$ and B $\hat{1}^{\prime}$ electronic states. Journal of Chemical Physics, 2011, 135, 194308.	1.2	2
21	High-resolution Fourier transform measurements of air-induced broadening and shift coefficients in the 0002 $\hat{a}^{\prime\prime}$ 0000 main isotopologue band of nitrous oxide. Journal of Molecular Spectroscopy, 2018, 348, 68-78.	0.4	2
22	FTIR based measurements of the 2-0 band of HCl at 1.76 $\hat{1}^{\prime\prime}$ 4m broadened by CO <sub>2</sub> . , 2016, , .		1