

Ivan M Grigoriev

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9526857/publications.pdf>

Version: 2024-02-01

20
papers

401
citations

623734

14
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

290
citing authors

#	ARTICLE	IF	CITATIONS
1	GOSAT-2009 methane spectral line list in the 5550–6236 cm ⁻¹ range. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 2211-2224.	2.3	79
2	GOSAT-2014 methane spectral line list. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 154, 63-71.	2.3	48
3	Study of the $\hat{1}/2_1$ band shape of the H ₂ O–HF, H ₂ O–DF, and H ₂ O–HCl complexes in the gas phase. Physical Chemistry Chemical Physics, 2005, 7, 2266.	2.8	39
4	Experimental and theoretical study of line mixing in methane spectra. II. Influence of the collision partner (He and Ar) in the ν_3 IR band. Journal of Chemical Physics, 1999, 111, 6850-6863.	3.0	32
5	Estimation of line parameters under line mixing effects: the $\hat{1}/2_3$ band of CH ₄ in helium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2001, 69, 189-204.	2.3	27
6	Line parameters and shapes of high clusters: R branch of the $\hat{1}/2_3$ band of CH ₄ in He mixtures. Journal of Quantitative Spectroscopy and Radiative Transfer, 2002, 74, 431-443.	2.3	21
7	Line-mixing effects in the $\hat{1}/2_3$ parallel absorption band of CH ₃ F perturbed by rare gases. Journal of Quantitative Spectroscopy and Radiative Transfer, 1997, 58, 287-299.	2.3	18
8	Spectral Lineshape Parameters Revisited for HF in a Bath of Argon. Journal of Molecular Spectroscopy, 1999, 198, 249-256.	1.2	17
9	Spectral line parameters in the ($2\hat{+}0$) overtone band and the dipole moment function of the HI molecule. Journal of Molecular Spectroscopy, 2004, 223, 67-72.	1.2	16
10	Helium and argon line broadening in the $\hat{1}/2_2$ band of CH ₄ . Journal of Molecular Spectroscopy, 2004, 225, 123-131.	1.2	16
11	Effect of stable and metastable dimers on collision-induced rototranslational spectra: Carbon dioxide – rare gas mixtures. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 196, 87-93.	2.3	15
12	Diode-Laser Measurements of He-Broadening Coefficients in the $\hat{1}/2_6$ Band of ¹² CH ₃ F. Journal of Molecular Spectroscopy, 1997, 186, 48-53.	1.2	14
13	Air pressure broadening and shifting of high-J lines of (00011) $\hat{+}$ (00001) band of ¹² C ¹⁶ O ₂ . Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 2315-2320.	2.3	14
14	Experimental and theoretical studies of CO ₂ spectra for planetary atmosphere modelling: region 600–9650 cm ⁻¹ and pressures up to 60 atm. Physical Chemistry Chemical Physics, 2013, 15, 13826.	2.8	14
15	Interaction-induced dipole and absorption spectra of collisional Ar-Xe pairs. Physical Review A, 1998, 58, 4978-4980.	2.5	11
16	Line shapes in the rotational spectra of HF in AR gas: New experimental data and calculations of line interference. Journal of Quantitative Spectroscopy and Radiative Transfer, 1996, 55, 61-70.	2.3	6
17	Intra- and intermolecular components of the $\hat{1}/2_2$ forbidden band of CF ₄ in pure gas and in He, Ar, Xe and N ₂ mixtures. Molecular Physics, 2004, 102, 1851-1857.	1.7	6
18	Asymptotic behavior of line shifts in the 0-0 and 0-1 bands of HF in a bath of argon: Influence of vibration-rotation coupling. Journal of Chemical Physics, 2000, 113, 2504-2505.	3.0	3

#	ARTICLE	IF	CITATIONS
19	Line mixing in the ν_2 and forbidden ν_2 bands of CH ₄ in gaseous helium. <i>Molecular Physics</i> , 2006, 104, 2711-2718.	1.7	3
20	Non-empirical calculations of rotovibrational band wings: Carbon dioxide-rare gas mixtures. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 247, 106950.	2.3	2