

Ivan M Grigoriev

List of Publications by Year in descending order

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papers

401
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623734

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citing authors

#	ARTICLE	IF	CITATIONS
1	Non-empirical calculations of rotovibrational band wings: Carbon dioxide-rare gas mixtures. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 247, 106950.	2.3	2
2	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
3	GOSAT-2014 methane spectral line list. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 154, 63-71.	2.3	48
4	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
5	Air pressure broadening and shifting of high-J lines of (00011) ν_2 band of ¹² C ¹⁶ O ₂ . Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 2315-2320.	2.3	14
6	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
7	Line mixing in the ν_2 and forbidden ν_2 bands of CH ₄ in gaseous helium. Molecular Physics, 2006, 104, 2711-2718.	1.7	3
8	Study of the ν_2 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
9	Spectral line parameters in the (2 ν_2) 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 ν_2 band of CH ₄ . Journal of Molecular Spectroscopy, 2004, 225, 123-131.	1.2	16
11	Intra- and intermolecular components of the ν_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
12	Line parameters and shapes of high clusters: R branch of the ν_2 band of CH ₄ in He mixtures. Journal of Quantitative Spectroscopy and Radiative Transfer, 2002, 74, 431-443.	2.3	21
13	Estimation of line parameters under line mixing effects: the ν_2 band of CH ₄ in helium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2001, 69, 189-204.	2.3	27
14	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
15	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
16	Spectral Lineshape Parameters Revisited for HF in a Bath of Argon. Journal of Molecular Spectroscopy, 1999, 198, 249-256.	1.2	17
17	Interaction-induced dipole and absorption spectra of collisional Ar-Xe pairs. Physical Review A, 1998, 58, 4978-4980.	2.5	11
18	Line-mixing effects in the ν_2 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

#	ARTICLE	IF	CITATIONS
19	Diode-Laser Measurements of He-Broadening Coefficients in the $\hat{1}\nu_2$ Band of $^{12}\text{CH}_3\text{F}$. Journal of Molecular Spectroscopy, 1997, 186, 48-53.	1.2	14
20	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