

Christof Janssen

List of Publications by Year in descending order

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30
papers

1,081
citations

516710

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434195

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docs citations

39
times ranked

1068
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-spectral investigation of ozone: Part I. Setup & uncertainty budget. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 279, 108051.	2.3	5
2	Multi-spectral investigation of ozone: Part II. Line intensity measurements at one percent accuracy around 5 μm and 10 μm . Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 279, 108050.	2.3	5
3	Laser Absorption Spectroscopy of Rare and Doubly Substituted Carbon Dioxide Isotopologues. Analytical Chemistry, 2019, 91, 15491-15499.	6.5	16
4	<i>Ab initio</i> predictions and laboratory validation for consistent ozone intensities in the MW, 10 and 5 $\frac{1}{4}\mu\text{m}$ ranges. Journal of Chemical Physics, 2019, 150, 184303.	3.0	37
5	Recommendation of a consensus value of the ozone absorption cross-section at 253.65 μm based on a literature review. Metrologia, 2019, 56, 034001.	1.2	22
6	Optical clumped isotope thermometry of carbon dioxide. Scientific Reports, 2019, 9, 4765.	3.3	17
7	XCO ₂ in an emission hot-spot region: the COCCON Paris campaign 2015. Atmospheric Chemistry and Physics, 2019, 19, 3271-3285.	4.9	35
8	H ₂ clumped isotope measurements at natural isotopic abundances. Rapid Communications in Mass Spectrometry, 2019, 33, 239-251.	1.5	12
9	A new photometric ozone reference in the Huggins bands: the absolute ozone absorption cross section at the 325 μm HeCd laser wavelength. Atmospheric Measurement Techniques, 2018, 11, 1707-1723.	3.1	8
10	Nonlinear Frequency-Sweep Correction of Tunable Electromagnetic Sources. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 1487-1491.	3.0	4
11	Direct simultaneous spectroscopic measurements of rare and doubly-substituted CO ₂ isotopologues using interband cascade lasers. , 2018, , .		0
12	Retrievals of heavy ozone with MIPAS. Atmospheric Measurement Techniques, 2016, 9, 6069-6079.	3.1	5
13	Line parameter study of ozone at 5 and 10 $\frac{1}{4}\mu\text{m}$ using atmospheric FTIR spectra from the ground: A spectroscopic database and wavelength region comparison. Journal of Molecular Spectroscopy, 2016, 326, 48-59.	1.2	14
14	Absorption cross-sections of ozone in the ultraviolet and visible spectral regions: Status report 2015. Journal of Molecular Spectroscopy, 2016, 327, 105-121.	1.2	57
15	Seasonal variability of surface and column carbon monoxide over the megacity Paris, high-altitude Jungfrauoch and Southern Hemispheric Wollongong stations. Atmospheric Chemistry and Physics, 2016, 16, 10911-10925.	4.9	28
16	Experimental study on isotope fractionation effects in visible photolysis of O ₃ and in the O ¹⁸ O ₃ odd oxygen sink reaction. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4398-4416.	3.3	8
17	Wavelength-dependent isotope fractionation in visible light O ₃ photolysis and atmospheric implications. Geophysical Research Letters, 2015, 42, 8711-8718.	4.0	7
18	On the gas dependence of thermal transpiration and a critical appraisal of correction methods for capacitive diaphragm gauges. Vacuum, 2014, 104, 77-87.	3.5	10

#	ARTICLE	IF	CITATIONS
19	Ozone spectroscopy in the electronic ground state: High-resolution spectra analyses and update of line parameters since 2003. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 130, 172-190.	2.3	63
20	Absolute measurements of intensities, positions and self-broadening coefficients of R branch transitions in the $\hat{1}\frac{1}{2}$ band of ammonia. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 1950-1960.	2.3	31
21	Preparation and accurate measurement of pure ozone. <i>Review of Scientific Instruments</i> , 2011, 82, 034102.	1.3	18
22	Laser spectroscopic study of ozone in the $100\hat{+}000$ band for the SWIFT instrument. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2010, 111, 961-972.	2.3	27
23	Stratospheric ozone isotope fractionations derived from collected samples. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	51
24	Intramolecular isotope distribution in heavy ozone ($16O18O16O$ and $16O16O18O$). <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	42
25	Oxygen Isotope Processes and Transfer Reactions. <i>Space Science Reviews</i> , 2003, 106, 265-279.	8.1	39
26	Comment on "Low-pressure dependency of the isotopic enrichment in ozone: Stratospheric implications" by S. K. Bhattacharya et al.. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	5
27	Isotope Effects in the Chemistry of Atmospheric Trace Compounds. <i>Chemical Reviews</i> , 2003, 103, 5125-5162.	47.7	186
28	Isotope dependence of the $O+O_2$ exchange reaction: Experiment and theory. <i>Journal of Chemical Physics</i> , 2003, 119, 4700-4712.	3.0	71
29	Kinetic origin of the ozone isotope effect: a critical analysis of enrichments and rate coefficients. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 4718-4721.	2.8	150
30	Relative formation rates of $50O_3$ and $52O_3$ in $16O\hat{+}18O$ mixtures. <i>Journal of Chemical Physics</i> , 1999, 111, 7179-7182.	3.0	97