

Valerio Ferracci

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

246
citations

933447

10
h-index

996975

15
g-index

33
all docs

33
docs citations

33
times ranked

492
citing authors

#	ARTICLE	IF	CITATIONS
1	The application of a cavity ring-down spectrometer to measurements of ambient ammonia using traceable primary standard gas mixtures. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	35
2	ROOOH: a missing piece of the puzzle for OH measurements in low-NO environments?. Atmospheric Chemistry and Physics, 2019, 19, 349-362.	4.9	32
3	Global modelling of the total OH reactivity: investigations on the "missing" OH sink and its atmospheric implications. Atmospheric Chemistry and Physics, 2018, 18, 7109-7129.	4.9	31
4	Kinetic and thermochemical studies of the ClO + ClO + M \rightarrow Cl ₂ O ₂ + M reaction. Physical Chemistry Chemical Physics, 2010, 12, 11596.	2.8	22
5	A metrological approach to improve accuracy and reliability of ammonia measurements in ambient air. Measurement Science and Technology, 2016, 27, 115012.	2.6	20
6	Production and stability of low amount fraction of formaldehyde in hydrogen gas standards. International Journal of Hydrogen Energy, 2018, 43, 6711-6722.	7.1	17
7	Modelling the effect of the 2018 summer heatwave and drought on isoprene emissions in a UK woodland. Global Change Biology, 2020, 26, 2320-2335.	9.5	14
8	CCQM-K90, formaldehyde in nitrogen, 2 μ mol mol ⁻¹ Final report. Metrologia, 2017, 54, 08029.	1.2	13
9	Exploring the coupled ocean and atmosphere system with a data science approach applied to observations from the Antarctic Circumnavigation Expedition. Earth System Dynamics, 2021, 12, 1295-1369.	7.1	12
10	Validation of ammonia diffusive and pumped samplers in a controlled atmosphere test facility using traceable Primary Standard Gas Mixtures. Atmospheric Environment, 2019, 199, 453-462.	4.1	11
11	Continuous Isoprene Measurements in a UK Temperate Forest for a Whole Growing Season: Effects of Drought Stress During the 2018 Heatwave. Geophysical Research Letters, 2020, 47, e2020GL088885.	4.0	11
12	iDirac: a field-portable instrument for long-term autonomous measurements of isoprene and selected VOCs. Atmospheric Measurement Techniques, 2020, 13, 821-838.	3.1	10
13	The temperature dependence of the bimolecular channels of the ClO + ClO reaction over the range $T = 298\text{--}323$ K. International Journal of Chemical Kinetics, 2012, 44, 386-397.	1.6	4
14	An investigation of the matrix sensitivity of refinery gas analysis using gas chromatography with flame ionisation detection. Journal of Chromatography A, 2015, 1383, 144-150.	3.7	3
15	Metrology for ammonia in ambient air "concept and first results of the EMRP project MetNH ₃ ". , 2015, , .		3
16	Kinetic studies on the temperature dependence of the BrO + BrO reaction using laser flash photolysis. Physical Chemistry Chemical Physics, 2011, 13, 7997.	2.8	2
17	Kinetic studies of the BrO + ClO cross-reaction over the range $T = 246\text{--}314$ K. Physical Chemistry Chemical Physics, 2014, 16, 1182-1196.	2.8	2
18	Production and measurement of large-area moisture barriers for electronic applications. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Investigation of cylinder pre-treatments for the stability of ammonia gas reference materials. Accreditation and Quality Assurance, 0, , .	0.8	0