

Cristina Prados-Roman

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,222
citations

687363

13
h-index

839539

18
g-index

28
all docs

28
docs citations

28
times ranked

1687
citing authors

#	ARTICLE	IF	CITATIONS
1	Global impacts of tropospheric halogens (Cl, Br, I) on oxidants and composition in GEOS-Chem. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12239-12271.	4.9	231
2	The Monte Carlo atmospheric radiative transfer model McArtim: Introduction and validation of Jacobians and 3D features. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 1119-1137.	2.3	174
3	Ground-based validation of the Copernicus Sentinel-5P TROPOMI NO ₂ measurements with the NDACC ZSL-DOAS, MAX-DOAS and Pandonia global networks. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 481-510.	3.1	142
4	Iodine's impact on tropospheric oxidants: a global model study in GEOS-Chem. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1161-1186.	4.9	116
5	Enhanced production of oxidised mercury over the tropical Pacific Ocean: a key missing oxidation pathway. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1323-1335.	4.9	89
6	Iodine oxide in the global marine boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 583-593.	4.9	84
7	Latitudinal distribution of reactive iodine in the Eastern Pacific and its link to open ocean sources. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 11609-11617.	4.9	68
8	A negative feedback between anthropogenic ozone pollution and enhanced ocean emissions of iodine. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2215-2224.	4.9	63
9	Intercomparison of NO ₂ , O ₄ , O ₃ and HCHO slant column measurements by MAX-DOAS and zenith-sky UV-visible spectrometers during CINDI-2. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2169-2208.	3.1	52
10	Iodine chemistry in the eastern Pacific marine boundary layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 887-904.	3.3	46
11	Airborne DOAS limb measurements of tropospheric trace gas profiles: case studies on the profile retrieval of O ₄ and BrO. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 1241-1260.	3.1	42
12	Glyoxal observations in the global marine boundary layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6160-6169.	3.3	38
13	Constraints on inorganic gaseous iodine in the tropical upper troposphere and stratosphere inferred from balloon-borne solar occultation observations. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 7229-7242.	4.9	33
14	Time dependent profile retrieval of UV/vis absorbing radicals from balloon-borne limb measurements – a case study on NO ₂ and O ₃ . <i>Atmospheric Measurement Techniques</i> , 2010, 3, 933-946.	3.1	16
15	Reactive bromine in the low troposphere of Antarctica: estimations at two research sites. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8549-8570.	4.9	12
16	Polar Stratospheric Clouds Detection at Belgrano II Antarctic Station with Visible Ground-Based Spectroscopic Measurements. <i>Remote Sensing</i> , 2021, 13, 1412.	4.0	6
17	Constraining the NO ₂ O ₅ UV absorption cross section from spectroscopic trace gas measurements in the tropical mid-stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 9555-9566.	4.9	4
18	Atmospheric formaldehyde at El Teide and Pic du Midi remote high-altitude sites. <i>Atmospheric Environment</i> , 2020, 234, 117618.	4.1	1

#	ARTICLE	IF	CITATIONS
19	Ground-based validation of the MetOp-A and MetOp-B GOME-2 OClO measurements. Atmospheric Measurement Techniques, 2022, 15, 3439-3463.	3.1	0