

Ana M Yañez-Serrano

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,403
citations

361413

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414414

32
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docs citations

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times ranked

2125
citing authors

#	ARTICLE	IF	CITATIONS
1	The Amazon Tall Tower Observatory (ATTO): overview of pilot measurements on ecosystem ecology, meteorology, trace gases, and aerosols. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10723-10776.	4.9	218
2	Within-plant isoprene oxidation confirmed by direct emissions of oxidation products methyl vinyl ketone and methacrolein. <i>Global Change Biology</i> , 2012, 18, 973-984.	9.5	107
3	Diel and seasonal changes of biogenic volatile organic compounds within and above an Amazonian rainforest. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3359-3378.	4.9	83
4	Unexpected seasonality in quantity and composition of Amazon rainforest air reactivity. <i>Nature Communications</i> , 2016, 7, 10383.	12.8	74
5	Within-canopy sesquiterpene ozonolysis in Amazonia. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	73
6	Emissions of putative isoprene oxidation products from mango branches under abiotic stress. <i>Journal of Experimental Botany</i> , 2013, 64, 3669-3679.	4.8	72
7	Linking Meteorology, Turbulence, and Air Chemistry in the Amazon Rain Forest. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 2329-2342.	3.3	59
8	Dimethyl sulfide in the Amazon rain forest. <i>Global Biogeochemical Cycles</i> , 2015, 29, 19-32.	4.9	58
9	Opposite OH reactivity and ozone cycles in the Amazon rainforest and megacity Beijing: Subversion of biospheric oxidant control by anthropogenic emissions. <i>Atmospheric Environment</i> , 2016, 125, 112-118.	4.1	56
10	Strong sesquiterpene emissions from Amazonian soils. <i>Nature Communications</i> , 2018, 9, 2226.	12.8	55
11	Seasonality of isoprenoid emissions from a primary rainforest in central Amazonia. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3903-3925.	4.9	52
12	Monoterpene chemical speciation in a tropical rainforest: variation with season, height, and time of day at the Amazon Tall Tower Observatory (ATTO). <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3403-3418.	4.9	50
13	Vehicular Emission Ratios of VOCs in a Megacity Impacted by Extensive Ethanol Use: Results of Ambient Measurements in São Paulo, Brazil. <i>Environmental Science & Technology</i> , 2015, 49, 11381-11387.	10.0	48
14	Amazonian biogenic volatile organic compounds under global change. <i>Global Change Biology</i> , 2020, 26, 4722-4751.	9.5	38
15	Atmospheric mixing ratios of methyl ethyl ketone (2-butanone) in tropical, boreal, temperate and marine environments. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10965-10984.	4.9	37
16	Ecosystem-scale compensation points of formic and acetic acid in the central Amazon. <i>Biogeosciences</i> , 2011, 8, 3709-3720.	3.3	36
17	Real-time carbon allocation into biogenic volatile organic compounds (BVOCs) and respiratory carbon dioxide (CO ₂) traced by PTR-TOF-MS, ¹³ CO ₂ laser spectroscopy and ¹³ C-pyruvate labelling. <i>PLoS ONE</i> , 2018, 13, e0204398.	2.5	32
18	Volatile diterpene emission by two Mediterranean Cistaceae shrubs. <i>Scientific Reports</i> , 2018, 8, 6855.	3.3	29

#	ARTICLE	IF	CITATIONS
19	Tropical and Boreal Forest " Atmosphere Interactions: A Review. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 74, 24.	1.6	27
20	GLOVOCS - Master compound assignment guide for proton transfer reaction mass spectrometry users. <i>Atmospheric Environment</i> , 2021, 244, 117929.	4.1	26
21	Observations of atmospheric monoaromatic hydrocarbons at urban, semi-urban and forest environments in the Amazon region. <i>Atmospheric Environment</i> , 2016, 128, 175-184.	4.1	22
22	Heat Waves Change Plant Carbon Allocation Among Primary and Secondary Metabolism Altering CO ₂ Assimilation, Respiration, and VOC Emissions. <i>Frontiers in Plant Science</i> , 2020, 11, 1242.	3.6	22
23	Human Breathable Air in a Mediterranean Forest: Characterization of Monoterpene Concentrations under the Canopy. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4391.	2.6	22
24	Heat stress increases the use of cytosolic pyruvate for isoprene biosynthesis. <i>Journal of Experimental Botany</i> , 2019, 70, 5827-5838.	4.8	20
25	Drought affects carbon partitioning into volatile organic compound biosynthesis in Scots pine needles. <i>New Phytologist</i> , 2021, 232, 1930-1943.	7.3	17
26	Total OH Reactivity Changes Over the Amazon Rainforest During an El Niño Event. <i>Frontiers in Forests and Global Change</i> , 2018, 1, .	2.3	14
27	Temperature and Moisture Controls of C Fluxes in Grazed Subalpine Grasslands. <i>Arctic, Antarctic, and Alpine Research</i> , 2012, 44, 239-246.	1.1	12
28	Physiological responses of date palm (<i>Phoenix dactylifera</i>) seedlings to seawater and flooding. <i>New Phytologist</i> , 2021, 229, 3318-3329.	7.3	11
29	Dynamics of volatile organic compounds in a western Mediterranean oak forest. <i>Atmospheric Environment</i> , 2021, 257, 118447.	4.1	9
30	Advancing Cross-Disciplinary Understanding of Land-Atmosphere Interactions. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	7
31	Seasonality of isoprene emissions and oxidation products above the remote Amazon. <i>Environmental Science Atmospheres</i> , 2022, 2, 230-240.	2.4	4
32	Oxidation product characterization from ozonolysis of the diterpene <i>kaurene</i>. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 5619-5637.	4.9	2