# Ana M YÃ¡Ã±ez-Serrano

List of Publications by Year
in descending order



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|---|---|---|---|
| 32 papers | 1,403 citations | 361413 20 h-index | 414414 32 g-index |
| 44 all docs | 44 docs citations | 44 times ranked | 2125 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Advancing Crossâ€Disciplinary Understanding of Landâ€Atmosphere Interactions. Journal of Geophysical Research G: Biogeosciences, 2022, 127, . | 3.0 | 7 |
| 2 | Seasonality of isoprene emissions and oxidation products above the remote Amazon. Environmental Science Atmospheres, 2022, 2, 230-240. | 2.4 | 4 |
| 3 | Tropical and Boreal Forest â€“ Atmosphere Interactions: A Review. Tellus, Series B: Chemical and Physical Meteorology, 2022, 74, 24. | 1.6 | 27 |
| 4 | Oxidation product characterization from ozonolysis of the diterpene <i>ent</i>-kaurene. Atmospheric Chemistry and Physics, 2022, 22, 5619-5637. | 4.9 | 2 |
| 5 | GLOVOCS - Master compound assignment guide for proton transfer reaction mass spectrometry users. Atmospheric Environment, 2021, 244, 117929. | 4.1 | 26 |
| 6 | Physiological responses of date palm (Phoenix dactylifera) seedlings to seawater and flooding. New Phytologist, 2021, 229, 3318-3329. | 7.3 | 11 |
| 7 | Dynamics of volatile organic compounds in a western Mediterranean oak forest. Atmospheric Environment, 2021, 257, 118447. | 4.1 | 9 |
| 8 | Drought affects carbon partitioning into volatile organic compound biosynthesis in Scots pine needles. New Phytologist, 2021, 232, 1930-1943. | 7.3 | 17 |
| 9 | Heat Waves Change Plant Carbon Allocation Among Primary and Secondary Metabolism Altering CO2 Assimilation, Respiration, and VOC Emissions. Frontiers in Plant Science, 2020, 11, 1242. | 3.6 | 22 |
| 10 | Human Breathable Air in a Mediterranean Forest: Characterization of Monoterpene Concentrations under the Canopy. International Journal of Environmental Research and Public Health, 2020, 17, 4391. | 2.6 | 22 |
| 11 | Amazonian biogenic volatile organic compounds under global change. Global Change Biology, 2020, 26, 4722-4751. | 9.5 | 38 |
| 12 | Heat stress increases the use of cytosolic pyruvate for isoprene biosynthesis. Journal of Experimental Botany, 2019, 70, 5827-5838. | 4.8 | 20 |
| 13 | Volatile diterpene emission by two Mediterranean Cistaceae shrubs. Scientific Reports, 2018, 8, 6855. | 3.3 | 29 |
| 14 | Monoterpene chemical speciation in a tropical rainforest:variation with season, height, and time of dayat the Amazon Tall Tower Observatory (ATTO). Atmospheric Chemistry and Physics, 2018, 18, 3403-3418. | 4.9 | 50 |
| 15 | Real-time carbon allocation into biogenic volatile organic compounds (BVOCs) and respiratory carbon dioxide (CO2) traced by PTR-TOF-MS, 13CO2 laser spectroscopy and 13C-pyruvate labelling. PLoS ONE, 2018, 13, e0204398. | 2.5 | 32 |
| 16 | Total OH Reactivity Changes Over the Amazon Rainforest During an El NiÃ±o Event. Frontiers in Forests and Global Change, 2018, 1, . | 2.3 | 14 |
| 17 | Strong sesquiterpene emissions from Amazonian soils. Nature Communications, 2018, 9, 2226. | 12.8 | 55 |
| 18 | Linking Meteorology, Turbulence, and Air Chemistry in the Amazon Rain Forest. Bulletin of the American Meteorological Society, 2016, 97, 2329-2342. | 3.3 | 59 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Unexpected seasonality in quantity and composition of Amazon rainforest air reactivity. Nature Communications, 2016, 7, 10383. | 12.8 | 74 |
| 20 | Seasonality of isoprenoid emissions from a primary rainforest inÂcentral Amazonia. Atmospheric Chemistry and Physics, 2016, 16, 3903-3925. | 4.9 | 52 |
| 21 | Atmospheric mixing ratios of methyl ethyl ketone (2-butanone) in tropical, boreal, temperate and marine environments. Atmospheric Chemistry and Physics, 2016, 16, 10965-10984. | 4.9 | 37 |
| 22 | Opposite OH reactivity and ozone cycles in the Amazon rainforest and megacity Beijing: Subversion of biospheric oxidant control by anthropogenic emissions. Atmospheric Environment, 2016, 125, 112-118. | 4.1 | 56 |
| 23 | Observations of atmospheric monoaromatic hydrocarbons at urban, semi-urban and forest environments in the Amazon region. Atmospheric Environment, 2016, 128, 175-184. | 4.1 | 22 |
| 24 | Dimethyl sulfide in the Amazon rain forest. Global Biogeochemical Cycles, 2015, 29, 19-32. | 4.9 | 58 |
| 25 | Diel and seasonal changes of biogenic volatile organic compounds within and above an Amazonian rainforest. Atmospheric Chemistry and Physics, 2015, 15, 3359-3378. | 4.9 | 83 |
| 26 | The Amazon Tall Tower Observatory (ATTO): overview of pilot measurements on ecosystem ecology, meteorology, trace gases, and aerosols. Atmospheric Chemistry and Physics, 2015, 15, 10723-10776. | 4.9 | 218 |
| 27 | Vehicular Emission Ratios of VOCs in a Megacity Impacted by Extensive Ethanol Use: Results of Ambient Measurements in SÃ£o Paulo, Brazil. Environmental Science & Technology, 2015, 49, 11381-11387. | 10.0 | 48 |
| 28 | Emissions of putative isoprene oxidation products from mango branches under abiotic stress. Journal of Experimental Botany, 2013, 64, 3669-3679. | 4.8 | 72 |
| 29 | Temperature and Moisture Controls of C Fluxes in Grazed Subalpine Grasslands. Arctic, Antarctic, and Alpine Research, 2012, 44, 239-246. | 1.1 | 12 |
| 30 | Withinâ€plant isoprene oxidation confirmed by direct emissions of oxidation products methyl vinyl ketone and methacrolein. Global Change Biology, 2012, 18, 973-984. | 9.5 | 107 |
| 31 | Ecosystem-scale compensation points of formic and acetic acid in the central Amazon. Biogeosciences, 2011, 8, 3709-3720. | 3.3 | 36 |
| 32 | Within-canopy sesquiterpene ozonolysis in Amazonia. Journal of Geophysical Research, 2011, 116, . | 3.3 | 73 |