

Maria Jose Sanz Sanchez

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

10,276
citations

41
h-index

81
g-index

81
ext. papers

11,247
ext. citations

7.2
avg, IF

4.8
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 73 | CarbonNitrogen interactions in European forests and semi-natural vegetation [Part 1: Fluxes and budgets of carbon, nitrogen and greenhouse gases from ecosystem monitoring and modelling. <i>Biogeosciences</i> , 2020 , 17, 1583-1620 | 4.6 | 12 |
| 72 | Mitigating the effects of omission errors on area and area change estimates. <i>Remote Sensing of Environment</i> , 2020 , 236, 111492 | 13.2 | 39 |
| 71 | CarbonNitrogen interactions in European forests and semi-natural vegetation [Part 2: Untangling climatic, edaphic, management and nitrogen deposition effects on carbon sequestration potentials. <i>Biogeosciences</i> , 2020 , 17, 1621-1654 | 4.6 | 8 |
| 70 | Reconciling global-model estimates and country reporting of anthropogenic forest CO2 sinks. <i>Nature Climate Change</i> , 2018 , 8, 914-920 | 21.4 | 57 |
| 69 | Winter respiratory C losses provide explanatory power for net ecosystem productivity. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 243-260 | 3.7 | 5 |
| 68 | Financing and current capacity for REDD+ readiness and monitoring, measurement, reporting and verification in the Congo Basin. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20120310 | 5.8 | 12 |
| 67 | Adjustment of annual NEE and ET for the open-path IRGA self-heating correction: Magnitude and approximation over a range of climate. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 1856-1861 | 5.8 | 21 |
| 66 | Physiological, anatomical and biomass partitioning responses to ozone in the Mediterranean endemic plant <i>Lamottea diana</i> . <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 1131-8 | 7 | 21 |
| 65 | Responses of evergreen and deciduous <i>Quercus</i> species to enhanced ozone levels. <i>Environmental Pollution</i> , 2011 , 159, 55-63 | 9.3 | 81 |
| 64 | Climate control of terrestrial carbon exchange across biomes and continents. <i>Environmental Research Letters</i> , 2010 , 5, 034007 | 6.2 | 116 |
| 63 | Visible and microscopic needle alterations of mature Aleppo pine (<i>Pinus halepensis</i>) trees growing on an ozone gradient in eastern Spain. <i>Tree Physiology</i> , 2010 , 30, 541-54 | 4.2 | 21 |
| 62 | Productivity, Respiration, and Light-Response Parameters of World Grassland and Agroecosystems Derived From Flux-Tower Measurements. <i>Rangeland Ecology and Management</i> , 2010 , 63, 16-39 | 2.2 | 117 |
| 61 | The net biome production of full crop rotations in Europe. <i>Agriculture, Ecosystems and Environment</i> , 2010 , 139, 336-345 | 5.7 | 132 |
| 60 | Management effects on European cropland respiration. <i>Agriculture, Ecosystems and Environment</i> , 2010 , 139, 346-362 | 5.7 | 51 |
| 59 | Management effects on net ecosystem carbon and GHG budgets at European crop sites. <i>Agriculture, Ecosystems and Environment</i> , 2010 , 139, 363-383 | 5.7 | 158 |
| 58 | Contrasting ozone sensitivity in related evergreen and deciduous shrubs. <i>Environmental Pollution</i> , 2010 , 158, 3580-7 | 9.3 | 54 |
| 57 | Use of an inverse dispersion technique for estimating ammonia emission from surface-applied slurry. <i>Atmospheric Environment</i> , 2010 , 44, 999-1002 | 5.3 | 37 |

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| 56 | Soil CO ₂ efflux and extractable organic carbon fractions under simulated precipitation events in a Mediterranean Dehesa. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 1915-1922 | 7.5 | 57 |
| 55 | Airborne trace element pollution in 11 European cities assessed by exposure of standardised ryegrass cultures. <i>Atmospheric Environment</i> , 2009 , 43, 329-339 | 5.3 | 40 |
| 54 | Using manure to compensate ozone-induced yield loss in potato plants cultivated in the east of Spain. <i>Agriculture, Ecosystems and Environment</i> , 2009 , 131, 185-192 | 5.7 | 6 |
| 53 | European scale application of atmospheric reactive nitrogen measurements in a low-cost approach to infer dry deposition fluxes. <i>Agriculture, Ecosystems and Environment</i> , 2009 , 133, 183-195 | 5.7 | 75 |
| 52 | Deciduous shrubs for ozone bioindication: Hibiscus syriacus as an example. <i>Environmental Pollution</i> , 2009 , 157, 865-70 | 9.3 | 44 |
| 51 | Spatial and temporal variations in airborne particulate matter (PM ₁₀ and PM _{2.5}) across Spain 1999-2005. <i>Atmospheric Environment</i> , 2008 , 42, 3964-3979 | 5.3 | 258 |
| 50 | Tracers and impact of open burning of rice straw residues on PM in Eastern Spain. <i>Atmospheric Environment</i> , 2008 , 42, 1941-1957 | 5.3 | 86 |
| 49 | Implications of the carbon cycle steady state assumption for biogeochemical modeling performance and inverse parameter retrieval. <i>Global Biogeochemical Cycles</i> , 2008 , 22, n/a-n/a | 5.9 | 99 |
| 48 | Tibouchina pulchra (Cham.) Cogn., a native Atlantic Forest species, as a bio-indicator of ozone: visible injury. <i>Environmental Pollution</i> , 2008 , 152, 361-5 | 9.3 | 30 |
| 47 | Sensitivity analysis of a parameterization of the stomatal component of the DO3SE model for Quercus ilex to estimate ozone fluxes. <i>Environmental Pollution</i> , 2008 , 155, 473-80 | 9.3 | 39 |
| 46 | Analysis of molecular markers in three different tomato cultivars exposed to ozone stress. <i>Plant Cell Reports</i> , 2008 , 27, 197-207 | 5.1 | 4 |
| 45 | Biotic, Abiotic, and Management Controls on the Net Ecosystem CO ₂ Exchange of European Mountain Grassland Ecosystems. <i>Ecosystems</i> , 2008 , 11, 1338-1351 | 3.9 | 102 |
| 44 | A synopsis of land use, land-use change and forestry (LULUCF) under the Kyoto Protocol and Marrakech Accords. <i>Environmental Science and Policy</i> , 2007 , 10, 271-282 | 6.2 | 96 |
| 43 | Factoring out natural and indirect human effects on terrestrial carbon sources and sinks. <i>Environmental Science and Policy</i> , 2007 , 10, 370-384 | 6.2 | 115 |
| 42 | Reduction of ecosystem productivity and respiration during the European summer 2003 climate anomaly: a joint flux tower, remote sensing and modelling analysis. <i>Global Change Biology</i> , 2007 , 13, 634-651 | 11.4 | 423 |
| 41 | CO ₂ balance of boreal, temperate, and tropical forests derived from a global database. <i>Global Change Biology</i> , 2007 , 13, 2509-2537 | 11.4 | 744 |
| 40 | Impact of the implementation of PM abatement technology on the ambient air levels of metals in a highly industrialised area. <i>Atmospheric Environment</i> , 2007 , 41, 1026-1040 | 5.3 | 33 |
| 39 | PM ₁₀ speciation and determination of air quality target levels. A case study in a highly industrialized area of Spain. <i>Science of the Total Environment</i> , 2007 , 372, 382-96 | 10.2 | 38 |

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| 38 | Partitioning European grassland net ecosystem CO ₂ exchange into gross primary productivity and ecosystem respiration using light response function analysis. <i>Agriculture, Ecosystems and Environment</i> , 2007 , 121, 93-120 | 5.7 | 272 |
| 37 | Ozone Biomonitoring with Bel-W3 Tobacco Plants in the City of Valencia (Spain). <i>Water, Air, and Soil Pollution</i> , 2007 , 183, 283-291 | 2.6 | 14 |
| 36 | Foliar, Physiological and Growth Responses of Four Maple Species Exposed to Ozone. <i>Water, Air, and Soil Pollution</i> , 2007 , 185, 239-254 | 2.6 | 64 |
| 35 | Ozone Sensitivity Differences in Five Tomato Cultivars: Visible Injury and Effects on Biomass and Fruits. <i>Water, Air, and Soil Pollution</i> , 2007 , 186, 167-181 | 2.6 | 29 |
| 34 | Ozone effects on three Sambucus species. <i>Environmental Monitoring and Assessment</i> , 2007 , 128, 83-91 | 3.1 | 7 |
| 33 | Mesoscale circulations over complex terrain in the Valencia coastal region, Spain [Part 1: Simulation of diurnal circulation regimes. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 1835-1849 | 6.8 | 51 |
| 32 | Mesoscale circulations over complex terrain in the Valencia coastal region, Spain [Part 2: Modeling CO ₂ transport using idealized surface fluxes. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 1851-1868 | 6.8 | 57 |
| 31 | Measures of ozone concentrations using passive sampling in forests of South Western Europe. <i>Environmental Pollution</i> , 2007 , 145, 620-8 | 9.3 | 52 |
| 30 | Psidium guajava (Guava) (the guava plant) as a new bio-indicator of ozone in the tropics. <i>Environmental Pollution</i> , 2007 , 147, 691-5 | 9.3 | 38 |
| 29 | Promoting the O ₃ flux concept for European forest trees. <i>Environmental Pollution</i> , 2007 , 146, 587-607 | 9.3 | 163 |
| 28 | Including land use, land-use change, and forestry in future climate change, agreements: thinking outside the box. <i>Environmental Science and Policy</i> , 2007 , 10, 283-294 | 6.2 | 52 |
| 27 | UV-induced NO _y emissions from Scots pine: Could they originate from photolysis of deposited HNO ₃ ?. <i>Atmospheric Environment</i> , 2006 , 40, 6201-6213 | 5.3 | 26 |
| 26 | Ozone pollution and ozone biomonitoring in European cities Part II. Ozone-induced plant injury and its relationship with descriptors of ozone pollution. <i>Atmospheric Environment</i> , 2006 , 40, 7437-7448 | 5.3 | 44 |
| 25 | Ozone pollution and ozone biomonitoring in European cities. Part I: Ozone concentrations and cumulative exposure indices at urban and suburban sites. <i>Atmospheric Environment</i> , 2006 , 40, 7963-7974 | 5.3 | 39 |
| 24 | The CarboEurope Regional Experiment Strategy. <i>Bulletin of the American Meteorological Society</i> , 2006 , 87, 1367-1380 | 6.1 | 91 |
| 23 | Physiological responses of saplings of <i>Caesalpinia echinata</i> Lam., a Brazilian tree species, under ozone fumigation. <i>Ecotoxicology and Environmental Safety</i> , 2006 , 63, 306-12 | 7 | 18 |
| 22 | <i>Tradescantia micronucleus</i> test indicates genotoxic potential of traffic emissions in European cities. <i>Environmental Pollution</i> , 2006 , 139, 515-22 | 9.3 | 39 |
| 21 | Climatic Feedbacks and Desertification: The Mediterranean Model. <i>Journal of Climate</i> , 2005 , 18, 684-701 | 4.4 | 94 |

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|----|---|------|------|
| 20 | On the separation of net ecosystem exchange into assimilation and ecosystem respiration: review and improved algorithm. <i>Global Change Biology</i> , 2005 , 11, 1424-1439 | 11.4 | 2253 |
| 19 | Europe-wide reduction in primary productivity caused by the heat and drought in 2003. <i>Nature</i> , 2005 , 437, 529-33 | 50.4 | 2643 |
| 18 | Passive sampler for monitoring ambient nitric acid (HNO ₃) and nitrous acid (HNO ₂) concentrations. <i>Atmospheric Environment</i> , 2005 , 39, 2655-2660 | 5.3 | 50 |
| 17 | Photosynthetic Responses of Tropical Trees to Short-Term Exposure to Ozone. <i>Photosynthetica</i> , 2004 , 42, 291-293 | 2.2 | 13 |
| 16 | Effects of ozone on the foliar histology of the mastic plant (<i>Pistacia lentiscus</i> L.). <i>Environmental Pollution</i> , 2004 , 132, 321-31 | 9.3 | 49 |
| 15 | Comparison between tower and aircraft-based eddy covariance fluxes in five European regions. <i>Agricultural and Forest Meteorology</i> , 2004 , 127, 1-16 | 5.8 | 79 |
| 14 | Response of native plants of northeastern United States and southern Spain to ozone exposures; determining exposure/response relationships. <i>Environmental Pollution</i> , 2003 , 125, 31-40 | 9.3 | 46 |
| 13 | Studies on the structure of the plant wax nonacosan-10-ol, the main component of epicuticular wax conifers. <i>International Journal of Biological Macromolecules</i> , 2003 , 33, 31-5 | 7.9 | 37 |
| 12 | EuroBionet: a pan-European biomonitoring network for urban air quality assessment. <i>Environmental Science and Pollution Research</i> , 2002 , 9, 199-203 | 5.1 | 39 |
| 11 | The long way from Kyoto to Marrakesh: Implications of the Kyoto Protocol negotiations for global ecology. <i>Global Change Biology</i> , 2002 , 8, 505-518 | 11.4 | 139 |
| 10 | Atmospheric dynamics and ozone cycles related to nitrogen deposition in the western Mediterranean. <i>Environmental Pollution</i> , 2002 , 118, 167-86 | 9.3 | 99 |
| 9 | Atmospheric nitrogen deposition on the east coast of Spain: relevance of dry deposition in semi-arid Mediterranean regions. <i>Environmental Pollution</i> , 2002 , 118, 259-72 | 9.3 | 42 |
| 8 | <i>Lichenopyrenis galligena</i> (Pleomassariaceae), a new genus of gall-forming lichenicolous fungi on <i>Leptochidium</i> . <i>Mycological Research</i> , 2001 , 105, 634-637 | | 13 |
| 7 | Ozone Cycles in the Western Mediterranean Basin: Interpretation of Monitoring Data in Complex Coastal Terrain. <i>Journal of Applied Meteorology and Climatology</i> , 2000 , 39, 487-508 | | 143 |
| 6 | Spatial pattern of ozone injury in Aleppo pine related to air pollution dynamics in a coastal-mountain region of eastern Spain. <i>Environmental Pollution</i> , 2000 , 108, 239-47 | 9.3 | 43 |
| 5 | Observation and Confirmation of Foliar Ozone Symptoms of Native Plant Species of Switzerland and Southern Spain. <i>Water, Air, and Soil Pollution</i> , 1999 , 116, 227-234 | 2.6 | 64 |
| 4 | The dynamics of aged airmasses and ozone in the Western Mediterranean: Relevance to forest ecosystems. <i>Chemosphere</i> , 1998 , 36, 1089-1094 | 8.4 | 27 |
| 3 | The uptake of gaseous sulphur dioxide by non-gelatinous lichens. <i>New Phytologist</i> , 1997 , 135, 595-602 | 9.8 | 19 |

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|---|---|-----|----|
| 2 | Chlorophyll A Fluorescence and Chlorophyll Content in <i>Parmelia Quercina</i> Thalli from a Polluted Region of Northern Castellon (Spain). <i>Lichenologist</i> , 1996 , 28, 49-65 | 1.1 | 37 |
| 1 | Dose-response relationships for SO fumigations in the lichens <i>Evernia prunastri</i> (L.) Ach. and <i>Ramalina fraxinea</i> (L.) Ach. <i>New Phytologist</i> , 1992 , 122, 313-319 | 9.8 | 24 |