JesÃºs Miguel SantamarÃ-a

List of Publications by Year
in descending order

74 papers	2,913 citations	159525 30 h-index	175177 52 g-index
75 all docs	75 docs citations	75 times ranked	3388 citing authors

#	Article	IF	Citations
1	Pollution monitoring in two urban areas of Cuba by using Tillandsia recurvata (L.) L. and top soil samples: Spatial distribution and sources. Ecological Indicators, 2021, 126, 107667.	2.6	8
2	Levels, spatial distribution, risk assessment, and sources of environmental contamination vectored by road dust in Cienfuegos (Cuba) revealed by chemical and C and N stable isotope compositions. Environmental Science and Pollution Research, 2020, 27, 2184-2196.	2.7	19
3	Carbon and nitrogen isotopes to distinguish sources of sedimentary organic matter in a Caribbean estuary. Isotopes in Environmental and Health Studies, 2020, 56, 654-672.	0.5	4
4	Comparison of the Isotopic Composition of Hg and Pb in Two Atmospheric Bioaccumulators in a Pyrenean Beech Forest (Iraty Forest, Western Pyrenees, France/Spain). Frontiers in Environmental Chemistry, 2020, 1, .	0.7	3
5	Elucidating the sources and dynamics of PM10 aerosols in Cienfuegos (Cuba) using their multi-stable and radioactive isotope and ion compositions. Atmospheric Research, 2020, 243, 105038.	1.8	3
6	Contents, distribution and sources of lanthanoid elements in rural and urban atmospheric particles in Cienfuegos (Cuba). Atmospheric Pollution Research, 2020, 11, 1091-1098.	1.8	2
7	Behavioral Interactions and Trophic Overlap between Invasive Signal Crayfish Pacifastacus leniusculus (Decapoda, Astacidae) and Native Fishes in Iberian Rivers. Water (Switzerland), 2019, 11, 459.	1.2	4
8	Determination and source apportionment of major and trace elements in atmospheric bulk deposition in a Caribbean rural area. Atmospheric Environment, 2019, 202, 93-104.	1.9	24
9	CFD modelling of vegetation barrier effects on the reduction of traffic-related pollutant concentration in an avenue of Pamplona, Spain. Sustainable Cities and Society, 2019, 48, 101559.	5.1	51
10	CFD modelling of air quality in Pamplona City (Spain): Assessment, stations spatial representativeness and health impacts valuation. Science of the Total Environment, 2019, 649, 1362-1380.	3.9	58
11	Urban vegetation and particle air pollution: Experimental campaigns in a traffic hotspot. Environmental Pollution, 2019, 247, 195-205.	3.7	44
12	Eco-physiological response of Hypnum cupressiforme Hedw. to increased atmospheric ammonia concentrations in a forest agrosystem. Science of the Total Environment, 2018, 619-620, 883-895.	3.9	5
13	Atmospheric ammonia concentration modulates soil enzyme and microbial activity in an oak forest affecting soil microbial biomass. Soil Biology and Biochemistry, 2018, 116, 378-387.	4.2	41
14	Modelling spatial patterns of correlations between concentrations of heavy metals in mosses and atmospheric deposition in 2010 across Europe. Environmental Sciences Europe, 2018, 30, 53.	2.6	15
15	Joining empirical and modelling approaches to estimate dry deposition of nitrogen in Mediterranean forests. Environmental Pollution, 2018, 243, 427-436.	3.7	7
16	Multi-element isotopic signature (C, N, Pb, Hg) in epiphytic lichens to discriminate atmospheric contamination as a function of land-use characteristics (PyrÃ©nÃ©es-Atlantiques, SW France). Environmental Pollution, 2018, 243, 961-971.	3.7	13
17	Chemical characterization of PM10 samples collected simultaneously at a rural and an urban site in the Caribbean coast: Local and long-range source apportionment. Atmospheric Environment, 2018, 192, 182-192.	1.9	17
18	Carbon and nitrogen isotopes unravels sources of aerosol contamination at Caribbean rural and urban coastal sites. Science of the Total Environment, 2018, 642, 723-732.	3.9	19

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19	Dry deposition and canopy uptake in Mediterranean holm-oak forests estimated with a canopy budget model: A focus on N estimations. Atmospheric Environment, 2017, 152, 191-200.	1.9	22
20	Modelling and mapping heavy metal and nitrogen concentrations in moss in 2010 throughout Europe by applying Random Forests models. Atmospheric Environment, 2017, 156, 146-159.	1.9	22
21	Quantitative study on nitrogen deposition and canopy retention in Mediterranean evergreen forests. Environmental Science and Pollution Research, 2017, 24, 26213-26226.	2.7	15
22	Bioindication and modelling of atmospheric deposition in forests enable exposure and effect monitoring at high spatial density across scales. Annals of Forest Science, 2017, 74, 1.	0.8	7
23	Air Pollutants in the Outdoor Environment (NO x , SO2, VOCs, HAPs [CO, O3]). , 2017, , 427-450.		0
24	Pleurochaete squarrosa (Brid.) Lindb. as an alternative moss species for biomonitoring surveys of heavy metal, nitrogen deposition and Î´15N signatures in a Mediterranean area. Ecological Indicators, 2016, 60, 1221-1228.	2.6	22
25	Atmospheric pollutants in peri-urban forests of Quercus ilex: evidence of pollution abatement and threats for vegetation. Environmental Science and Pollution Research, 2016, 23, 6400-6413.	2.7	35
26	Spatially valid data of atmospheric deposition of heavy metals and nitrogen derived by moss surveys for pollution risk assessments of ecosystems. Environmental Science and Pollution Research, 2016, 23, 10457-10476.	2.7	35
27	Atmospheric deposition of inorganic nitrogen in Spanish forests of Quercus ilex measured with ion-exchange resins and conventional collectors. Environmental Pollution, 2016, 216, 653-661.	3.7	6
28	Throughfall and bulk deposition of dissolved organic nitrogen to holm oak forests in the Iberian Peninsula: Flux estimation and identification of potential sources. Environmental Pollution, 2016, 210, 104-112.	3.7	33
29	Relevance of canopy drip for the accumulation of nitrogen in moss used as biomonitors for atmospheric nitrogen deposition in Europe. Science of the Total Environment, 2015, 538, 600-610.	3.9	20
30	Mosses as an integrating tool for monitoring PAH atmospheric deposition: Comparison with total deposition and evaluation of bioconcentration factors. A year-long case-study. Chemosphere, 2015, 119, 452-458.	4.2	36
31	Heavy metal and nitrogen concentrations in mosses are declining across Europe whilst some â€œhotspotsâ€•remain in 2010. Environmental Pollution, 2015, 200, 93-104.	3.7	136
32	Spatial patterns and temporal trends of heavy metal concentrations in moss and surface soil specimens collected in Norway between 1990 and 2010. Environmental Sciences Europe, 2014, 26, .	2.6	5
33	Relationship between site-specific nitrogen concentrations in mosses and measured wet bulk atmospheric nitrogen deposition across Europe. Environmental Pollution, 2014, 194, 50-59.	3.7	48
34	Spatial distribution of PAH concentrations and stable isotope signatures (Î´13C, Î´15N) in mosses from three European areas â€“ Characterization by multivariate analysis. Environmental Pollution, 2014, 184, 113-122.	3.7	31
35	Biomonitoring of traffic-related nitrogen pollution using Letharia vulpina (L.) Hue in the Sierra Nevada, California. Science of the Total Environment, 2014, 490, 205-212.	3.9	38
36	Application of microwave digestion and ICP-MS to simultaneous analysis of major and trace elements in aerosol samples collected on quartz filters. Analytical Methods, 2013, 5, 554-559.	1.3	26

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37	Influence of local air flow regimes on the ozone content of two Pyrenean valleys. Atmospheric Environment, 2013, 74, 367-377.	1.9	13
38	Nitrogen and carbon contents and Î´¹⁵N and Î´¹³C signatures in six bryophyte species: assessment of longâ€term deposition changes (1980â€“2010) in Spanish beech forests. Global Change Biology, 2013, 19, 2221-2228.	4.2	32
39	Country-specific correlations across Europe between modelled atmospheric cadmium and lead deposition and concentrations in mosses. Environmental Pollution, 2012, 166, 1-9.	3.7	85
40	POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) SAMPLED IN AEROSOL PHASE AT DIFFERENT SITES OF THE WESTERN PYRENEES IN NAVARRA (SPAIN). Environmental Engineering and Management Journal, 2012, 11, 1049-1058.	0.2	7
41	POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) IN REMOTE BULK AND THROUGHFALL DEPOSITION: SEASONAL AND SPATIAL TRENDS. Environmental Engineering and Management Journal, 2012, 11, 1101-1110.	0.2	5
42	HEAVY METALS MOBILITY IN EXPERIMENTAL DISTURBED AND UNDISTURBED ACID SOIL COLUMNS IN SPANISH PYRENEES. Environmental Engineering and Management Journal, 2012, 11, 1149-1158.	0.2	2
43	DIVERSITY OF ACARI AND COLLEMBOLA ALONG A POLLUTION GRADIENT IN SOILS OF A PRE-PYRENEAN FOREST ECOSYSTEM. Environmental Engineering and Management Journal, 2012, 11, 1159-1169.	0.2	17
44	EDITORIAL - ENVIRONMENTAL SCIENCES IN THE PYRENEES: SHARING THE CURRENT KNOWLEDGE AND RESEARCH. Environmental Engineering and Management Journal, 2012, 11, 1045-1048.	0.2	0
45	Chemical characterisation and source apportionment of PM2.5 and PM10 at rural, urban and traffic sites in Navarra (North of Spain). Atmospheric Research, 2011, 102, 191-205.	1.8	176
46	Nitrogen concentrations in mosses indicate the spatial distribution of atmospheric nitrogen deposition in Europe. Environmental Pollution, 2011, 159, 2852-2860.	3.7	106
47	Are cadmium, lead and mercury concentrations in mosses across Europe primarily determined by atmospheric deposition of these metals?. Journal of Soils and Sediments, 2010, 10, 1572-1584.	1.5	60
48	Rural O3 Levels in the Middle Ebro Basin During the Plant Growing Season. Water, Air, and Soil Pollution, 2010, 206, 23-34.	1.1	7
49	Heavy Metal and Nitrogen Monitoring Using Moss and Topsoil Samples in a Pyrenean Forest Catchment. Water, Air, and Soil Pollution, 2010, 210, 335-346.	1.1	12
50	Mosses as biomonitors of atmospheric heavy metal deposition: Spatial patterns and temporal trends in Europe. Environmental Pollution, 2010, 158, 3144-3156.	3.7	272
51	A methodology to urban air quality assessment during large time periods of winter using computational fluid dynamic models. Atmospheric Environment, 2010, 44, 2089-2097.	1.9	40
52	Reconstructing historical trends of polycyclic aromatic hydrocarbon deposition in a remote area of Spain using herbarium moss material. Atmospheric Environment, 2010, 44, 3207-3214.	1.9	49
53	First Europe-wide correlation analysis identifying factors best explaining the total nitrogen concentration in mosses. Atmospheric Environment, 2010, 44, 3485-3491.	1.9	46
54	Use of native mosses as biomonitors of heavy metals and nitrogen deposition in the surroundings of two steel works. Chemosphere, 2010, 78, 965-971.	4.2	45

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55	Spatial trends in heavy metals and nitrogen deposition in Navarra (Northern Spain) based on moss analysis. Journal of Atmospheric Chemistry, 2009, 62, 59-72.	1.4	10
56	First thorough identification of factors associated with Cd, Hg and Pb concentrations in mosses sampled in the European Surveys 1990, 1995, 2000 and 2005. Journal of Atmospheric Chemistry, 2009, 63, 109-124.	1.4	39
57	Quantification of indoor and outdoor volatile organic compounds (VOCs) in pubs and cafÃ©s in Pamplona, Spain. Atmospheric Environment, 2008, 42, 6647-6654.	1.9	34
58	Exposure to volatile organic compounds (VOC) in public buses of Pamplona, Northern Spain. Science of the Total Environment, 2008, 404, 18-25.	3.9	48
59	Ambient air levels of volatile organic compounds (VOC) and nitrogen dioxide (NO2) in a medium size city in Northern Spain. Science of the Total Environment, 2008, 407, 999-1009.	3.9	94
60	Temporal trends (1990â€“2000) in the concentration of cadmium, lead and mercury in mosses across Europe. Environmental Pollution, 2008, 151, 368-376.	3.7	111
61	Source origin of trace elements in PM from regional background, urban and industrial sites of Spain. Atmospheric Environment, 2007, 41, 7219-7231.	1.9	396
62	Study of urban atmospheric pollution in Navarre (Northern Spain). Environmental Monitoring and Assessment, 2007, 134, 137-151.	1.3	17
63	Short-term drought response of two white clover clones, sensitive and tolerant to O3. Physiologia Plantarum, 2006, 127, 658-669.	2.6	15
64	Concentration and Sources of PM10 and its Constituents in Alsasua, Spain. Water, Air, and Soil Pollution, 2006, 174, 385-404.	1.1	32
65	Nutritional Status of Northern Spain Beech Forests Wate 4915. Water, Air, and Soil Pollution, 2006, 177, 227-238.	1.1	8
66	Spatial and temporal trends of volatile organic compounds (VOC) in a rural area of northern Spain. Science of the Total Environment, 2006, 370, 157-167.	3.9	85
67	Heavy Metal Concentrations in European Mosses: 2000/2001 Survey. Journal of Atmospheric Chemistry, 2004, 49, 425-436.	1.4	82
68	Beech foliar chemical composition: A bioindicator of air pollution stress. Developments in Environmental Science, 2003, , 301-313.	0.5	3
69	An intensive monitoring study of air pollution stress in a beech forest in Spain. Developments in Environmental Science, 2003, 3, 359-374.	0.5	1
70	Investigating indices to explain the impacts of ozone on the biomass of white clover (Trifolium repens) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.5	16
71	Genotypic variation in growth and physiological responses of Finnish hybrid aspen (Populus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 1171-1181.	1.4	30
72	Monitoring of the Phytosanitary State of Navarra's Forests, Spain. , 1998, 50, 217-231.		2

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73	Influence of air pollution on the nutritional status of Navarra's Forests, Spain. Chemosphere, 1998, 36, 943-948.	4.2	14
74	Tree bark as a bioindicator of air pollution in Navarra, spain. Water, Air, and Soil Pollution, 1997, 98, 381-387.	1.1	27