

Casimiro A Pio

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197
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13,113
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#	Paper	IF	Citations
197	Carbonaceous aerosol in urban and rural European atmospheres: estimation of secondary organic carbon concentrations. <i>Atmospheric Environment</i> , 1999 , 33, 2771-2781	5.3	630
196	Results of the Carbon conference—International aerosol carbon round robin test stage I. <i>Atmospheric Environment</i> , 2001 , 35, 2111-2121	5.3	383
195	Source apportionment of PM _{2.5} organic aerosol over Europe: Primary/secondary, natural/anthropogenic, and fossil/biogenic origin. <i>Journal of Geophysical Research</i> , 2007 , 112,		328
194	Levoglucosan levels at background sites in Europe for assessing the impact of biomass combustion on the European aerosol background. <i>Journal of Geophysical Research</i> , 2007 , 112,		316
193	Land management and land-cover change have impacts of similar magnitude on surface temperature. <i>Nature Climate Change</i> , 2014 , 4, 389-393	21.4	304
192	OC/EC ratio observations in Europe: Re-thinking the approach for apportionment between primary and secondary organic carbon. <i>Atmospheric Environment</i> , 2011 , 45, 6121-6132	5.3	277
191	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
190	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) —Integrating aerosol research from nano to global scales. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 13061-13143	6.8	231
189	Source apportionment of fine and coarse particulate matter in a sub-urban area at the Western European Coast. <i>Atmospheric Environment</i> , 2005 , 39, 3127-3138	5.3	223
188	Chemical composition of atmospheric aerosols during the 2003 summer intense forest fire period. <i>Atmospheric Environment</i> , 2008 , 42, 7530-7543	5.3	192
187	AIRUSE-LIFE+: a harmonized PM speciation and source apportionment in five southern European cities. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 3289-3309	6.8	191
186	Net ecosystem carbon exchange in three contrasting Mediterranean ecosystems —The effect of drought. <i>Biogeosciences</i> , 2007 , 4, 791-802	4.6	191
185	Wood burning impact on PM ₁₀ in three Austrian regions. <i>Atmospheric Environment</i> , 2009 , 43, 2186-2195	5.3	186
184	Climatology of aerosol composition (organic versus inorganic) at nonurban sites on a west-east transect across Europe. <i>Journal of Geophysical Research</i> , 2007 , 112,		182
183	Children exposure to atmospheric particles in indoor of Lisbon primary schools. <i>Atmospheric Environment</i> , 2011 , 45, 7594-7599	5.3	167
182	Size-differentiated composition of inorganic atmospheric aerosols of both marine and polluted continental origin. <i>Atmospheric Environment</i> , 1983 , 17, 1733-1738		166
181	Modeling carbonaceous aerosol over Europe: Analysis of the CARBOSOL and EMEP EC/OC campaigns. <i>Journal of Geophysical Research</i> , 2007 , 112,		145

180	Seasonal trends and possible sources of brown carbon based on 2-year aerosol measurements at six sites in Europe. <i>Journal of Geophysical Research</i> , 2007 , 112,		143
179	Comparison of structural features of water-soluble organic matter from atmospheric aerosols with those of aquatic humic substances. <i>Atmospheric Environment</i> , 2007 , 41, 8100-8113	5.3	136
178	Spectroscopic study of the water-soluble organic matter isolated from atmospheric aerosols collected under different atmospheric conditions. <i>Analytica Chimica Acta</i> , 2005 , 530, 7-14	6.6	134
177	Polycyclic aromatic hydrocarbons and their derivatives (nitro-PAHs, oxygenated PAHs, and azaarenes) in PM from Southern European cities. <i>Science of the Total Environment</i> , 2017 , 595, 494-504	10.2	122
176	Composition of extractable organic matter of air particles from rural and urban Portuguese areas. <i>Atmospheric Environment</i> , 2001 , 35, 5485-5496	5.3	120
175	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
174	Comparative receptor modelling study of airborne particulate pollutants in Birmingham (United Kingdom), Coimbra (Portugal) and Lahore (Pakistan). <i>Atmospheric Environment</i> , 1997 , 31, 3309-3321	5.3	117
173	Climate control of terrestrial carbon exchange across biomes and continents. <i>Environmental Research Letters</i> , 2010 , 5, 034007	6.2	116
172	Approaching PM(2.5) and PM(2.5-10) source apportionment by mass balance analysis, principal component analysis and particle size distribution. <i>Science of the Total Environment</i> , 2006 , 368, 663-74	10.2	115
171	Organic components of aerosols in a forested area of central Greece. <i>Atmospheric Environment</i> , 2001 , 35, 389-401	5.3	115
170	Origin of C ₂ and C ₃ dicarboxylic acids in the European atmosphere inferred from year-round aerosol study conducted at a west-east transect. <i>Journal of Geophysical Research</i> , 2007 , 112,		114
169	Identification, abundance and origin of atmospheric organic particulate matter in a Portuguese rural area. <i>Atmospheric Environment</i> , 2001 , 35, 1365-1375	5.3	113
168	Seasonal distribution of polar organic compounds in the urban atmosphere of two large cities from the North and South of Europe. <i>Atmospheric Environment</i> , 2007 , 41, 5555-5570	5.3	112
167	Globally significant oceanic source of organic carbon aerosol. <i>Geophysical Research Letters</i> , 2008 , 35, n/a-n/a	4.9	110
166	Source apportionment of atmospheric urban aerosol based on weekdays/weekend variability: evaluation of road re-suspended dust contribution. <i>Atmospheric Environment</i> , 2006 , 40, 2058-2067	5.3	110
165	Emission of trace gases and organic components in smoke particles from a wildfire in a mixed-evergreen forest in Portugal. <i>Science of the Total Environment</i> , 2011 , 409, 1466-75	10.2	108
164	Size distribution of polycyclic aromatic hydrocarbons in a roadway tunnel in Lisbon, Portugal. <i>Chemosphere</i> , 2011 , 83, 1588-96	8.4	108
163	Carbon dioxide exchange above a Mediterranean C ₃ /C ₄ grassland during two climatologically contrasting years. <i>Global Change Biology</i> , 2008 , 14, 539-555	11.4	108

162	Characterisation of PM10 emissions from woodstove combustion of common woods grown in Portugal. <i>Atmospheric Environment</i> , 2010 , 44, 4474-4480	5.3	106
161	The effects of drought and timing of precipitation on the inter-annual variation in ecosystem-atmosphere exchange in a Mediterranean grassland. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 595-606	5.8	105
160	Concentrations of particulate airborne polycyclic aromatic hydrocarbons and metals collected in Lahore, Pakistan. <i>Atmospheric Environment</i> , 1996 , 30, 4031-4040	5.3	102
159	Determination of saccharides in atmospheric aerosol using anion-exchange high-performance liquid chromatography and pulsed-amperometric detection. <i>Journal of Chromatography A</i> , 2007 , 1171, 37-45	4.5	99
158	Organic compounds in PM2.5 emitted from fireplace and woodstove combustion of typical Portuguese wood species. <i>Atmospheric Environment</i> , 2011 , 45, 4533-4545	5.3	90
157	Indoor air quality in elementary schools of Lisbon in spring. <i>Environmental Geochemistry and Health</i> , 2011 , 33, 455-68	4.7	90
156	Water-soluble hydroxylated organic compounds in German and Finnish aerosols. <i>Atmospheric Environment</i> , 2003 , 37, 1775-1783	5.3	87
155	Smoke emissions from biomass burning in a Mediterranean shrubland. <i>Atmospheric Environment</i> , 2010 , 44, 3024-3033	5.3	86
154	Chlorine loss from marine aerosol in a coastal atmosphere. <i>Journal of Geophysical Research</i> , 1998 , 103, 25263-25272		85
153	Variability of carbonaceous aerosols in remote, rural, urban and industrial environments in Spain: implications for air quality policy. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 6185-6206	6.8	80
152	Determination of water and alkaline extractable atmospheric humic-like substances with the TU Vienna HULIS analyzer in samples from six background sites in Europe. <i>Journal of Geophysical Research</i> , 2007 , 112,		74
151	Carbonaceous aerosols in industrial and coastal atmospheres. <i>Atmospheric Environment Part A General Topics</i> , 1993 , 27, 1339-1346		74
150	Atmospheric aerosol and soiling of external surfaces in an urban environment. <i>Atmospheric Environment</i> , 1998 , 32, 1979-1989	5.3	73
149	Source assessment of particulate air pollutants measured at the southwest european coast. <i>Atmospheric Environment</i> , 1996 , 30, 3309-3320	5.3	73
148	Major 20th century changes of carbonaceous aerosol components (EC, WinOC, DOC, HULIS, carboxylic acids, and cellulose) derived from Alpine ice cores. <i>Journal of Geophysical Research</i> , 2007 , 112,		72
147	Summer 2009 wildfires in Portugal: Emission of trace gases and aerosol composition. <i>Atmospheric Environment</i> , 2011 , 45, 641-649	5.3	70
146	Outdoor/indoor air quality in primary schools in Lisbon: a preliminary study. <i>Quimica Nova</i> , 2010 , 33, 1145-1149	5.3	70
145	Indoor and outdoor characterisation of organic and inorganic compounds in city centre and suburban elementary schools of Aveiro, Portugal. <i>Atmospheric Environment</i> , 2012 , 55, 80-89	5.3	69

144	Fireplace and woodstove fine particle emissions from combustion of western Mediterranean wood types. <i>Atmospheric Research</i> , 2011 , 101, 692-700	5.4	69
143	An evaluation of some issues regarding the use of aethalometers to measure woodsmoke concentrations. <i>Atmospheric Environment</i> , 2013 , 80, 540-548	5.3	68
142	Vapour pressure of ammonium chloride aerosol: Effect of temperature and humidity. <i>Atmospheric Environment</i> , 1987 , 21, 2711-2715		68
141	Major ion composition and chemical associations of inorganic atmospheric aerosols. <i>Environmental Science & Technology</i> , 1983 , 17, 169-74	10.3	66
140	Particulate carbon in precipitation at European background sites. <i>Journal of Aerosol Science</i> , 2010 , 41, 51-61	4.3	65
139	Emission factors and detailed chemical composition of smoke particles from the 2010 wildfire season. <i>Atmospheric Environment</i> , 2013 , 71, 295-303	5.3	63
138	The equilibrium of ammonium chloride aerosol with gaseous hydrochloric acid and ammonia under tropospheric conditions. <i>Atmospheric Environment</i> , 1987 , 21, 1243-1246		62
137	Chemical profiling of PM from urban road dust. <i>Science of the Total Environment</i> , 2018 , 634, 41-51	10.2	61
136	The effect of drought on energy and water vapour exchange above a mediterranean C3/C4 grassland in Southern Portugal. <i>Agricultural and Forest Meteorology</i> , 2008 , 148, 565-579	5.8	59
135	Size-segregated particulate matter and gaseous emissions from motor vehicles in a road tunnel. <i>Atmospheric Research</i> , 2015 , 153, 134-144	5.4	58
134	Inventory of fine particulate organic compound emissions from residential wood combustion in Portugal. <i>Atmospheric Environment</i> , 2012 , 50, 297-306	5.3	57
133	Evaluation of aerosol sources at European high altitude background sites with trajectory statistical methods. <i>Atmospheric Environment</i> , 2010 , 44, 2316-2329	5.3	57
132	Size-segregated chemical composition of aerosol emissions in an urban road tunnel in Portugal. <i>Atmospheric Environment</i> , 2013 , 71, 15-25	5.3	56
131	Diurnal and seasonal emissions of volatile organic compounds from cork oak () trees. <i>Atmospheric Environment</i> , 2005 , 39, 1817-1827	5.3	56
130	Seasonal evaluation of outdoor/indoor air quality in primary schools in Lisbon. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 657-67		54
129	Particulate organic compounds emitted from experimental wildland fires in a Mediterranean ecosystem. <i>Atmospheric Environment</i> , 2010 , 44, 2750-2759	5.3	52
128	Synchronous Scan and Excitation-Emission Matrix Fluorescence Spectroscopy of Water-Soluble Organic Compounds in Atmospheric Aerosols. <i>Journal of Atmospheric Chemistry</i> , 2004 , 48, 157-171	3.2	51
127	Organic compounds in aerosols from selected European sites [Biogenic versus anthropogenic sources. <i>Atmospheric Environment</i> , 2012 , 59, 243-255	5.3	50

126	Organic composition of size segregated atmospheric particulate matter, during summer and winter sampling campaigns at representative sites in Madrid, Spain. <i>Atmospheric Research</i> , 2013 , 132-133, 345-361	5.4	50
125	Modeling of elemental carbon over Europe. <i>Journal of Geophysical Research</i> , 2007 , 112,		50
124	Evaluation of isoprene degradation in the detailed tropospheric chemical mechanism, MCM v3, using environmental chamber data. <i>Atmospheric Environment</i> , 2005 , 39, 1303-1322	5.3	50
123	AIRUSE-LIFE +: estimation of natural source contributions to urban ambient air PM ₁₀ and PM _{2.5} concentrations in southern Europe. Implications to compliance with limit values. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 3673-3685	6.8	49
122	VOC emissions from residential combustion of Southern and mid-European woods. <i>Atmospheric Environment</i> , 2014 , 83, 90-98	5.3	48
121	Ambient isoprene and monoterpene concentrations in a Greek fir (<i>Abies Borisii-regis</i>) forest. Reconciliation with emissions measurements and effects on measured OH concentrations. <i>Atmospheric Environment</i> , 2001 , 35, 4699-4711	5.3	48
120	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1983 , 35B, 155-159	3.3	48
119	A comparative study of the ionic composition of rainwater and atmospheric aerosols: Implications for the mechanism of acidification of rainwater. <i>Atmospheric Environment</i> , 1983 , 17, 2539-2543		48
118	Volatile organic compounds in rural atmospheres of central Portugal. <i>Science of the Total Environment</i> , 2003 , 313, 49-60	10.2	47
117	Elements and polycyclic aromatic hydrocarbons in exhaust particles emitted by light-duty vehicles. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 11526-42	5.1	46
116	Photochemical pollution under sea breeze conditions, during summer, at the Portuguese West Coast. <i>Atmospheric Environment</i> , 2006 , 40, 6277-6293	5.3	46
115	Overview of the field measurement campaign in Hyytiälä August 2001 in the framework of the EU project OSOA. <i>Atmospheric Chemistry and Physics</i> , 2004 , 4, 657-678	6.8	46
114	Particulate Size Distributed Organic Compounds in a Forest Atmosphere. <i>Environmental Science & Technology</i> , 2000 , 34, 4287-4293	10.3	46
113	An intercomparison study of analytical methods used for quantification of levoglucosan in ambient aerosol filter samples. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 125-147	4	45
112	Characterization and origin of EC and OC particulate matter near the Doñana National Park (SW Spain). <i>Environmental Research</i> , 2009 , 109, 671-81	7.9	45
111	Could houseplants improve indoor air quality in schools?. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012 , 75, 1371-80	3.2	42
110	Sulphur and nitrogen compounds in variable marine/continental air masses at the southwest European coast. <i>Atmospheric Environment</i> , 1996 , 30, 3115-3127	5.3	42
109	Quality assurance in elemental analysis of airborne particles. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 207, 434-446	1.2	41

108	Short-term secondary organic carbon estimations with a modified OC/EC primary ratio method at a suburban site in Madrid (Spain). <i>Atmospheric Environment</i> , 2011 , 45, 2496-2506	5-3	39
107	Characterisation of carbonaceous aerosols from the Azorean Island of Terceira. <i>Atmospheric Environment</i> , 2007 , 41, 1359-1373	5-3	39
106	Mass balance of organic carbon fractions in atmospheric aerosols. <i>Journal of Geophysical Research</i> , 2002 , 107, ICC 7-1-ICC 7-9		39
105	VOC emissions of smouldering combustion from Mediterranean wildfires in central Portugal. <i>Atmospheric Environment</i> , 2013 , 64, 339-348	5-3	38
104	Road traffic impact on urban atmospheric aerosol loading at Oporto, Portugal. <i>Atmospheric Environment</i> , 2010 , 44, 3147-3158	5-3	38
103	Seasonal and air-mass trajectory effects on rainwater quality at the south-western european border. <i>Atmospheric Environment Part A General Topics</i> , 1991 , 25, 2259-2266		38
102	Emission of volatile organic compounds from Portuguese eucalyptus forests. <i>Chemosphere</i> , 2001 , 3, 239-248		37
101	Seasonal variability of ozone dry deposition under southern European climate conditions, in Portugal. <i>Atmospheric Environment</i> , 2000 , 34, 195-205	5-3	37
100	Fifteen years of nuclear techniques application to suspended particulate matter studies. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013 , 297, 347-356	1-5	36
99	Characterizing air particulate matter composition and sources in Lisbon, Portugal. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009 , 281, 215-218	1-5	36
98	Neutron activation analysis for identification of African mineral dust transport. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2008 , 276, 161-165	1-5	36
97	Organic speciation of aerosols from wildfires in central Portugal during summer 2009. <i>Atmospheric Environment</i> , 2012 , 57, 186-196	5-3	35
96	Atmospheric fluxes and concentrations of monoterpenes in resin-tapped pine forests. <i>Atmospheric Environment</i> , 1998 , 32, 683-691	5-3	35
95	Isoprene and monoterpene emission from the coniferous species <i>Abies Borisii-regis</i> Implications for regional air chemistry in Greece. <i>Atmospheric Environment</i> , 2001 , 35, 4687-4698	5-3	35
94	Variability in Sources and Concentrations of Saharan Dust Phosphorus over the Atlantic Ocean. <i>Environmental Science and Technology Letters</i> , 2015 , 2, 31-37	11	34
93	Measurement of trace gases and organic compounds in the smoke plume from a wildfire in Penedono (central Portugal). <i>Atmospheric Environment</i> , 2011 , 45, 5172-5182	5-3	34
92	Road tunnel, roadside, and urban background measurements of aliphatic compounds in size-segregated particulate matter. <i>Atmospheric Research</i> , 2016 , 168, 139-148	5-4	33
91	Impact of maritime air mass trajectories on the Western European coast urban aerosol. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2013 , 76, 252-62	3-2	33

90	Concentration of atmospheric cellulose: A proxy for plant debris across a west-east transect over Europe. <i>Journal of Geophysical Research</i> , 2007 , 112,		33
89	Composition and origin of PM 10 in Cape Verde: Characterization of long-range transport episodes. <i>Atmospheric Environment</i> , 2016 , 127, 326-339	5.3	32
88	Impact of Sahara dust transport on Cape Verde atmospheric element particles. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2013 , 76, 240-51	3.2	32
87	Size fractionated aerosol composition at roadside and background environments in the Madrid urban atmosphere. <i>Atmospheric Research</i> , 2014 , 138, 278-292	5.4	32
86	Organic particulate emissions from field burning of garden and agriculture residues. <i>Atmospheric Research</i> , 2011 , 101, 666-680	5.4	32
85	High concentrations of heavy metals in PM from ceramic factories of Southern Spain. <i>Atmospheric Research</i> , 2010 , 96, 633-644	5.4	32
84	Physical and chemical properties of non-exhaust particles generated from wear between pavements and tyres. <i>Atmospheric Environment</i> , 2020 , 224, 117252	5.3	32
83	Diversity and seasonal dynamics of airborne archaea. <i>Biogeosciences</i> , 2014 , 11, 6067-6079	4.6	30
82	Quality assessment on airborne particulate matter of k0-INAA. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2003 , 257, 609-613	1.5	30
81	A one-year record of carbonaceous components and major ions in aerosols from an urban kerbside location in Oporto, Portugal. <i>Science of the Total Environment</i> , 2016 , 562, 822-833	10.2	29
80	Impact of wood burning on indoor PM2.5 in a primary school in rural Portugal. <i>Atmospheric Environment</i> , 2014 , 94, 663-670	5.3	29
79	Mutagenicity assessment of aerosols in emissions from wood combustion in Portugal. <i>Environmental Pollution</i> , 2012 , 166, 172-81	9.3	29
78	Carbonaceous materials in size-segregated atmospheric aerosols from urban and coastal-rural areas at the Western European Coast. <i>Atmospheric Research</i> , 2008 , 90, 253-263	5.4	29
77	Seasonal variation of particulate lipophilic organic compounds at nonurban sites in Europe. <i>Journal of Geophysical Research</i> , 2007 , 112,		29
76	Emission factors from residential combustion appliances burning Portuguese biomass fuels. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 3196-206		28
75	Measuring air particulate matter in large urban areas for health effect assessment. <i>Water, Air, and Soil Pollution</i> , 2007 , 179, 43-55	2.6	28
74	Production and release of dimethylsulphide from an estuary in Portugal. <i>Atmospheric Environment</i> , 1999 , 33, 3355-3366	5.3	28
73	Kinetic and thermodynamic behaviour of volatile ammonium compounds in industrial and marine atmospheres. <i>Atmospheric Environment Part A General Topics</i> , 1992 , 26, 505-512		28

72	Particulate and gaseous air pollutant levels at the portuguese West Coast. <i>Atmospheric Environment Part A General Topics</i> , 1991 , 25, 669-680		28
71	Formaldehyde and acetaldehyde emissions from residential wood combustion in Portugal. <i>Atmospheric Environment</i> , 2013 , 72, 171-176	5.3	27
70	Seasonal patterns of Saharan dust over Cape Verde ã combined approach using observations and modelling. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2015 , 67, 24410	3.3	27
69	Speciation of organic compounds in aerosols from urban background sites in the winter season. <i>Atmospheric Research</i> , 2014 , 150, 57-68	5.4	26
68	Evaluating children exposure to air pollutants for an epidemiological study. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009 , 280, 405-409	1.5	26
67	Combined application of multielement analysis ã INAA and PIXE ãnd classical techniques for source apportionment in aerosol studies. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 564, 752-760	1.2	26
66	Burn wood influence on outdoor air quality in a small village: Foros de Arrã, Portugal. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012 , 291, 83-88	1.5	25
65	Evaluation of SO2 dry deposition over short vegetation in Portugal. <i>Atmospheric Environment</i> , 2001 , 35, 3633-3643	5.3	25
64	The impact of natural non-methane hydrocarbon oxidation on the free radical and ozone budgets above a eucalyptus forest. <i>Chemosphere</i> , 2001 , 3, 353-366		25
63	Indoor air quality in primary schools. <i>International Journal of Environment and Pollution</i> , 2012 , 50, 396	0.7	24
62	Secondary organic compounds in atmospheric aerosols: speciation and formation mechanisms. <i>Journal of the Brazilian Chemical Society</i> , 2005 , 16, 1017-1029	1.5	24
61	Temporal patterns and trends of particulate matter over Portugal: a long-term analysis of background concentrations. <i>Air Quality, Atmosphere and Health</i> , 2018 , 11, 397-407	5.6	23
60	Kinetics of SO2 oxidation over carbonaceous particles in the presence of H2O, NO2, NH3 and O3. <i>Atmospheric Environment</i> , 1983 , 17, 1261-1275		23
59	Assessment of air pollution sources in an industrial atmosphere using principal component and multilinear regression analysis. <i>Science of the Total Environment</i> , 1989 , 80, 279-92	10.2	21
58	Evaluation of ãand ãpinene degradation in the detailed tropospheric chemistry mechanism, MCM v3.1, using environmental chamber data. <i>Journal of Atmospheric Chemistry</i> , 2007 , 57, 171-202	3.2	20
57	Assessment and simulation of global terrestrial latent heat flux by synthesis of CMIP5 climate models and surface eddy covariance observations. <i>Agricultural and Forest Meteorology</i> , 2016 , 223, 151-167	5.8	19
56	The anthropogenic influence on carbonaceous aerosol in the European background. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2009 , 61, 464-472	3.3	19
55	Gaseous and speciated particulate emissions from the open burning of wastes from tree pruning. <i>Atmospheric Research</i> , 2019 , 226, 110-121	5.4	18

54	Indoor and outdoor suspended particulate matter and associated carbonaceous species at residential homes in northwestern Portugal. <i>Science of the Total Environment</i> , 2014 , 473-474, 72-6	10.2	18
53	Convergence of potential net ecosystem production among contrasting C3 grasslands. <i>Ecology Letters</i> , 2013 , 16, 502-12	10	18
52	Wet deposition of particulate carbon to the Central North Atlantic Ocean. <i>Science of the Total Environment</i> , 2014 , 496, 92-99	10.2	17
51	Assessment and up-scaling of CO ₂ exchange by patches of the herbaceous vegetation mosaic in a Portuguese cork oak woodland. <i>Agricultural and Forest Meteorology</i> , 2008 , 148, 1318-1331	5.8	16
50	Particulate carbon in the atmosphere of a Finnish forest and a German anthropogenically influenced grassland. <i>Atmospheric Research</i> , 2006 , 80, 133-150	5.4	16
49	Atmospheric carbonaceous aerosols over grasslands of central Europe and a Boreal forest. <i>Chemosphere</i> , 2006 , 63, 153-64	8.4	16
48	Overview of the FIELDVOC'94 experiment in a eucalyptus forest of Portugal. <i>Chemosphere</i> , 2001 , 3, 211-226		16
47	The organic composition of air particulate matter from rural and urban portuguese areas. <i>Physics and Chemistry of the Earth</i> , 1999 , 24, 705-709		16
46	The application of a multi-wavelength Aethalometer to estimate iron dust and black carbon concentrations in the marine boundary layer of Cape Verde. <i>Atmospheric Environment</i> , 2014 , 97, 136-143 ^{5.3}		15
45	Organic characterisation of PM ₁₀ in Cape Verde under Saharan dust influxes. <i>Atmospheric Environment</i> , 2014 , 89, 425-432	5.3	15
44	Characterization of a long range transport pollution episode affecting PM in SW Spain. <i>Journal of Environmental Monitoring</i> , 2008 , 10, 1158-71		15
43	Lead-210 observations within CARBOSOL: A diagnostic tool for assessing the spatiotemporal variability of related chemical aerosol species?. <i>Journal of Geophysical Research</i> , 2007 , 112,		14
42	Photochemical ozone formation at Portugal West Coast under sea breeze conditions as assessed by master chemical mechanism model. <i>Atmospheric Environment</i> , 2007 , 41, 2171-2182	5.3	14
41	Evaluation of alkene degradation in the detailed tropospheric chemistry mechanism, MCM v3, using environmental chamber data. <i>Journal of Atmospheric Chemistry</i> , 2006 , 55, 55-79	3.2	14
40	Isoprene and its degradation products methyl vinyl ketone, methacrolein and formaldehyde in a eucalyptus forest during the FIELDVOC'94 campaign in Portugal. <i>Chemosphere</i> , 2001 , 3, 295-307		14
39	Wet deposition of fossil and non-fossil derived particulate carbon: Insights from radiocarbon measurement. <i>Atmospheric Environment</i> , 2015 , 115, 257-262	5.3	13
38	Size distribution of atmospheric particulate ionic species at a coastal site in Portugal. <i>Quimica Nova</i> , 2007 , 30, 1938-1944	1.6	13
37	AIRUSE-LIFE+: a harmonized PM speciation and source apportionment in 5 Southern European cities		13

36	Comparison of continental Portugal and Azores Islands aerosol during a Sahara dust storm. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002 , 189, 272-278	1.2	12
35	Comparison of Methodologies for Assessing Desert Dust Contribution to Regional PM10 and PM2.5 Levels: A One-Year Study Over Portugal. <i>Atmosphere</i> , 2020 , 11, 134	2.7	11
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