

Casimiro A Pio

List of Publications by Year in Descending Order

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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.

197
papers

12,040
citations

61
h-index

102
g-index

202
ext. papers

13,113
ext. citations

5.2
avg, IF

5.91
L-index

#	Paper	IF	Citations
197	X-ray Spectroscopic Quantification of Phosphorus Transformation in Saharan Dust during Trans-Atlantic Dust Transport. <i>Environmental Science & Technology</i> , 2021 , 55, 12694-12703	10.3	3
196	Morphological properties, chemical composition, cancer risks and toxicological potential of airborne particles from traffic and urban background sites. <i>Atmospheric Research</i> , 2021 , 264, 105837	5.4	1
195	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
194	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
193	Annual and seasonal variability of greenhouse gases fluxes over coastal urban and suburban areas in Portugal: Measurements and source partitioning. <i>Atmospheric Environment</i> , 2020 , 223, 117204	5.3	3
192	Source apportionment of PM2.5 and PM10 by Ionic and Mass Balance (IMB) in a traffic-influenced urban atmosphere, in Portugal. <i>Atmospheric Environment</i> , 2020 , 223, 117217	5.3	9
191	Application of SUEWS model forced with WRF: Energy fluxes validation in urban and suburban Portuguese areas. <i>Urban Climate</i> , 2020 , 33, 100662	6.8	4
190	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
189	Chemical profiling of PM from urban road dust. <i>Science of the Total Environment</i> , 2018 , 634, 41-51	10.2	61
188	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
187	Source apportionment of atmospheric aerosol in a marine dusty environment by ionic/composition mass balance (IMB). <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 13215-13230	6.8	9
186	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
185	Modelling indoor air quality: validation and sensitivity. <i>Air Quality, Atmosphere and Health</i> , 2017 , 10, 643-652	5.5	10
184	Hydrocarbons in particulate samples from wildfire events in central Portugal in summer 2010. <i>Journal of Environmental Sciences</i> , 2017 , 53, 122-131	6.4	10
183	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
182	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
181	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

180	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
179	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
178	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
177	Case Studies of Source Apportionment and Suggested Measures at Southern European Cities. <i>Issues in Environmental Science and Technology</i> , 2016 , 168-263	0.7	4
176	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
175	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
174	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
173	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
172	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
171	Seasonal patterns of Saharan dust over Cape Verde by a combined approach using observations and modelling. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2015 , 67, 24410	3.3	27
170	Characterization of the aeolian aerosol from Cape Verde by k 0-INAA and PIXE. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014 , 300, 629-635	1.5	8
169	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
168	VOC emissions from residential combustion of Southern and mid-European woods. <i>Atmospheric Environment</i> , 2014 , 83, 90-98	5.3	48
167	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
166	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
165	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
164	Organic characterisation of PM10 in Cape Verde under Saharan dust influxes. <i>Atmospheric Environment</i> , 2014 , 89, 425-432	5.3	15
163	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

162	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
161	Seasonal variability of aerosol concentration and size distribution in Cape Verde using a continuous aerosol optical spectrometer. <i>Frontiers in Environmental Science</i> , 2014 , 2,	4.8	11
160	Diversity and seasonal dynamics of airborne archaea. <i>Biogeosciences</i> , 2014 , 11, 6067-6079	4.6	30
159	An intercomparison study of analytical methods used for quantification of levoglucosan in ambient aerosol filter samples 2014 ,		1
158	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
157	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
156	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
155	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
154	Formaldehyde and acetaldehyde emissions from residential wood combustion in Portugal. <i>Atmospheric Environment</i> , 2013 , 72, 171-176	5.3	27
153	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
152	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
151	VOC emissions of smouldering combustion from Mediterranean wildfires in central Portugal. <i>Atmospheric Environment</i> , 2013 , 64, 339-348	5.3	38
150	Convergence of potential net ecosystem production among contrasting C3 grasslands. <i>Ecology Letters</i> , 2013 , 16, 502-12	10	18
149	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
148	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
147	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
146	Mutagenicity assessment of aerosols in emissions from wood combustion in Portugal. <i>Environmental Pollution</i> , 2012 , 166, 172-81	9.3	29
145	Inventory of fine particulate organic compound emissions from residential wood combustion in Portugal. <i>Atmospheric Environment</i> , 2012 , 50, 297-306	5.3	57

144	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
143	Organic speciation of aerosols from wildfires in central Portugal during summer 2009. <i>Atmospheric Environment</i> , 2012 , 57, 186-196	5.3	35
142	Organic compounds in aerosols from selected European sites [Biogenic versus anthropogenic sources. <i>Atmospheric Environment</i> , 2012 , 59, 243-255	5.3	50
141	Burn wood influence on outdoor air quality in a small village: Foros de Arrb, Portugal. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012 , 291, 83-88	1.5	25
140	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
139	Indoor air quality in primary schools. <i>International Journal of Environment and Pollution</i> , 2012 , 50, 396	0.7	24
138	Fireplace and woodstove fine particle emissions from combustion of western Mediterranean wood types. <i>Atmospheric Research</i> , 2011 , 101, 692-700	5.4	69
137	Organic particulate emissions from field burning of garden and agriculture residues. <i>Atmospheric Research</i> , 2011 , 101, 666-680	5.4	32
136	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
135	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
134	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
133	Summer 2009 wildfires in Portugal: Emission of trace gases and aerosol composition. <i>Atmospheric Environment</i> , 2011 , 45, 641-649	5.3	70
132	Children exposure to atmospheric particles in indoor of Lisbon primary schools. <i>Atmospheric Environment</i> , 2011 , 45, 7594-7599	5.3	167
131	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
130	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
129	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
128	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
127	Size distribution of polycyclic aromatic hydrocarbons in a roadway tunnel in Lisbon, Portugal. <i>Chemosphere</i> , 2011 , 83, 1588-96	8.4	108

126	Emission factors from residential combustion appliances burning Portuguese biomass fuels. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 3196-206		28
125	Indoor air quality in elementary schools of Lisbon in spring. <i>Environmental Geochemistry and Health</i> , 2011 , 33, 455-68	4.7	90
124	Seasonal evaluation of outdoor/indoor air quality in primary schools in Lisbon. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 657-67		54
123	Climate control of terrestrial carbon exchange across biomes and continents. <i>Environmental Research Letters</i> , 2010 , 5, 034007	6.2	116
122	Particulate carbon in precipitation at European background sites. <i>Journal of Aerosol Science</i> , 2010 , 41, 51-61	4.3	65
121	High concentrations of heavy metals in PM from ceramic factories of Southern Spain. <i>Atmospheric Research</i> , 2010 , 96, 633-644	5.4	32
120	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
119	Experimental evidence for a significant contribution of cellulose to indoor aerosol mass concentration. <i>Atmospheric Environment</i> , 2010 , 44, 867-871	5.3	4
118	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
117	Particulate organic compounds emitted from experimental wildland fires in a Mediterranean ecosystem. <i>Atmospheric Environment</i> , 2010 , 44, 2750-2759	5.3	52
116	Smoke emissions from biomass burning in a Mediterranean shrubland. <i>Atmospheric Environment</i> , 2010 , 44, 3024-3033	5.3	86
115	Road traffic impact on urban atmospheric aerosol loading at Oporto, Portugal. <i>Atmospheric Environment</i> , 2010 , 44, 3147-3158	5.3	38
114	Characterisation of PM10 emissions from woodstove combustion of common woods grown in Portugal. <i>Atmospheric Environment</i> , 2010 , 44, 4474-4480	5.3	106
113	Outdoor/indoor air quality in primary schools in Lisbon: a preliminary study. <i>Quimica Nova</i> , 2010 , 33, 1145-1149	5.3	70
112	Detailed chemical analysis of regional-scale air pollution in western Portugal using an adapted version of MCM v3.1. <i>Science of the Total Environment</i> , 2009 , 407, 2024-38	10.2	9
111	Wood burning impact on PM10 in three Austrian regions. <i>Atmospheric Environment</i> , 2009 , 43, 2186-2195	5.3	186
110	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
109	Characterisation of the seasonal exposure to air pollutants for a respiratory epidemiological study. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009 , 281, 219-223	1.5	5

108	Association between monthly-reported rhinitis by children from basic schools and monthly-averaged air pollutants, at Lisbon (Portugal). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009 , 282, 15-20	1.5	6
107	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
106	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
105	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
104	Aerosol particle size distributions at a traffic exposed site and an urban background location in Oporto, Portugal. <i>Quimica Nova</i> , 2009 , 32, 928-933	1.6	6
103	Carbon dioxide exchange above a Mediterranean C3/C4 grassland during two climatologically contrasting years. <i>Global Change Biology</i> , 2008 , 14, 539-555	11.4	108
102	Chemical composition of atmospheric aerosols during the 2003 summer intense forest fire period. <i>Atmospheric Environment</i> , 2008 , 42, 7530-7543	5.3	192
101	Globally significant oceanic source of organic carbon aerosol. <i>Geophysical Research Letters</i> , 2008 , 35, n/a-n/a	4.9	110
100	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
99	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
98	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
97	Characterization of a long range transport pollution episode affecting PM in SW Spain. <i>Journal of Environmental Monitoring</i> , 2008 , 10, 1158-71		15
96	Analysis and interpretation of the monitoring data for C ₂ C ₁₁ hydrocarbons in the atmosphere of a rural Portuguese site. <i>International Journal of Environment and Pollution</i> , 2008 , 32, 341	0.7	
95	Molecular markers, essential oils and diagnostic parameters as indicators for assessing the origin and constitution of organic matter in atmospheric aerosols. <i>International Journal of Environment and Pollution</i> , 2008 , 32, 362	0.7	2
94	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
93	Origin of C ₂ T ₅ 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
92	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
91	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

90	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
89	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
88	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
87	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
86	Modeling carbonaceous aerosol over Europe: Analysis of the CARBOSOL and EMEP EC/OC campaigns. <i>Journal of Geophysical Research</i> , 2007 , 112,		145
85	Modeling of elemental carbon over Europe. <i>Journal of Geophysical Research</i> , 2007 , 112,		50
84	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
83	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
82	Seasonal variation of particulate lipophilic organic compounds at nonurban sites in Europe. <i>Journal of Geophysical Research</i> , 2007 , 112,		29
81	Net ecosystem carbon exchange in three contrasting Mediterranean ecosystems [the effect of drought. <i>Biogeosciences</i> , 2007 , 4, 791-802	4.6	191
80	Size distribution of atmospheric particulate ionic species at a coastal site in Portugal. <i>Quimica Nova</i> , 2007 , 30, 1938-1944	1.6	13
79	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
78	Characterisation of carbonaceous aerosols from the Azorean Island of Terceira. <i>Atmospheric Environment</i> , 2007 , 41, 1359-1373	5.3	39
77	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
76	Air quality and organic compounds in aerosols from a coastal rural area in the Western Iberian Peninsula over a year long period: Characterisation, loads and seasonal trends. <i>Atmospheric Environment</i> , 2007 , 41, 3631-3643	5.3	11
75	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
74	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
73	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

72	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
71	Evaluation of Hexand Heptene 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
70	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
69	Photochemical pollution under sea breeze conditions, during summer, at the Portuguese West Coast. <i>Atmospheric Environment</i> , 2006 , 40, 6277-6293	5.3	46
68	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
67	Size Distribution Characteristics of Organic Species in Atmospheric Particulate Matter from Finnish and German Rural Sites with Variable Anthropogenic Influence. <i>Environmental Engineering Science</i> , 2006 , 23, 933-941	2	8
66	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
65	Atmospheric carbonaceous aerosols over grasslands of central Europe and a Boreal forest. <i>Chemosphere</i> , 2006 , 63, 153-64	8.4	16
64	Determina de hidrocarbonetos voleis e semi-voleis na atmosfera. <i>Quimica Nova</i> , 2006 , 29, 477-488	1.6	2
63	Combined application of multielement analysis-INAA and PIXEnd 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
62	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
61	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
60	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
59	Diurnal and seasonal emissions of volatile organic compounds from cork oak () trees. <i>Atmospheric Environment</i> , 2005 , 39, 1817-1827	5.3	56
58	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
57	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
56	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
55	Overview of the field measurement campaign in HyytiAugust 2001 in the framework of the EU project OSA. <i>Atmospheric Chemistry and Physics</i> , 2004 , 4, 657-678	6.8	46

54	Quality assessment on airborne particulate matter of k0-INAA. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2003 , 257, 609-613	1.5	30
53	Water-soluble hydroxylated organic compounds in German and Finnish aerosols. <i>Atmospheric Environment</i> , 2003 , 37, 1775-1783	5.3	87
52	Volatile organic compounds in rural atmospheres of central Portugal. <i>Science of the Total Environment</i> , 2003 , 313, 49-60	10.2	47
51	Quality assurance in elemental analysis of airborne particles. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 207, 434-446	1.2	41
50	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
49	Factors controlling the diurnal variation of CO above a forested area in southeast Europe. <i>Atmospheric Environment</i> , 2002 , 36, 3127-3135	5.3	9
48	Mass balance of organic carbon fractions in atmospheric aerosols. <i>Journal of Geophysical Research</i> , 2002 , 107, ICC 7-1-ICC 7-9		39
47	Organic components of aerosols in a forested area of central Greece. <i>Atmospheric Environment</i> , 2001 , 35, 389-401	5.3	115
46	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
45	Results of the Carbon conference International aerosol carbon round robin test stage I. <i>Atmospheric Environment</i> , 2001 , 35, 2111-2121	5.3	383
44	Evaluation of SO ₂ dry deposition over short vegetation in Portugal. <i>Atmospheric Environment</i> , 2001 , 35, 3633-3643	5.3	25
43	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
42	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
41	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
40	Chemical characterisation of marine aerosol in the azores. <i>Physics and Chemistry of the Earth</i> , 2001 , 26, 831-834		2
39	Overview of the FIELDVOC'94 experiment in a eucalyptus forest of Portugal. <i>Chemosphere</i> , 2001 , 3, 211-226		16
38	Emission of volatile organic compounds from Portuguese eucalyptus forests. <i>Chemosphere</i> , 2001 , 3, 239-248		37
37	Volatile and particulate organic compounds in the ambient air of a eucalyptus forest in Portugal during the FIELDVOC'94 campaign. <i>Chemosphere</i> , 2001 , 3, 283-293		10

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