

Andres Alastuey

List of Publications by Year in descending order

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393
papers

33,115
citations

2669

95
h-index

6818

155
g-index

515
all docs

515
docs citations

515
times ranked

19154
citing authors

#	ARTICLE	IF	CITATIONS
1	Source apportionment of particulate matter in Europe: A review of methods and results. <i>Journal of Aerosol Science</i> , 2008, 39, 827-849.	1.8	812
2	Synthesis of zeolites from coal fly ash: an overview. <i>International Journal of Coal Geology</i> , 2002, 50, 413-423.	1.9	707
3	A European aerosol phenomenology "3: Physical and chemical characteristics of particulate matter from 60 rural, urban, and kerbside sites across Europe. <i>Atmospheric Environment</i> , 2010, 44, 1308-1320.	1.9	654
4	Changes in air quality during the lockdown in Barcelona (Spain) one month into the SARS-CoV-2 epidemic. <i>Science of the Total Environment</i> , 2020, 726, 138540.	3.9	610
5	PM10 and PM2.5 source apportionment in the Barcelona Metropolitan area, Catalonia, Spain. <i>Atmospheric Environment</i> , 2001, 35, 6407-6419.	1.9	563
6	Speciation and origin of PM10 and PM2.5 in selected European cities. <i>Atmospheric Environment</i> , 2004, 38, 6547-6555.	1.9	531
7	Quantifying road dust resuspension in urban environment by Multilinear Engine: A comparison with PMF2. <i>Atmospheric Environment</i> , 2009, 43, 2770-2780.	1.9	492
8	Saharan dust contributions to PM10 and TSP levels in Southern and Eastern Spain. <i>Atmospheric Environment</i> , 2001, 35, 2433-2447.	1.9	482
9	Identification and quantification of organic aerosol from cooking and other sources in Barcelona using aerosol mass spectrometer data. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1649-1665.	1.9	449
10	Association between Traffic-Related Air Pollution in Schools and Cognitive Development in Primary School Children: A Prospective Cohort Study. <i>PLoS Medicine</i> , 2015, 12, e1001792.	3.9	399
11	Source origin of trace elements in PM from regional background, urban and industrial sites of Spain. <i>Atmospheric Environment</i> , 2007, 41, 7219-7231.	1.9	396
12	Spatial and chemical patterns of PM10 in road dust deposited in urban environment. <i>Atmospheric Environment</i> , 2009, 43, 1650-1659.	1.9	387
13	Environmental, physical and structural characterisation of geopolymer matrixes synthesised from coal (co-)combustion fly ashes. <i>Journal of Hazardous Materials</i> , 2008, 154, 175-183.	6.5	375
14	African dust contributions to mean ambient PM10 mass-levels across the Mediterranean Basin. <i>Atmospheric Environment</i> , 2009, 43, 4266-4277.	1.9	375
15	African dust outbreaks over the Mediterranean Basin during 2001-2011: PM ₁₀ concentrations, phenomenology and trends, and its relation with synoptic and mesoscale meteorology. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1395-1410.	1.9	343
16	Geochemical variations in aeolian mineral particles from the Sahara-Sahel Dust Corridor. <i>Chemosphere</i> , 2006, 65, 261-270.	4.2	330
17	New considerations for PM, Black Carbon and particle number concentration for air quality monitoring across different European cities. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6207-6227.	1.9	317
18	Coarse Particles From Saharan Dust and Daily Mortality. <i>Epidemiology</i> , 2008, 19, 800-807.	1.2	301

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19	Sources and variability of inhalable road dust particles in three European cities. <i>Atmospheric Environment</i> , 2011, 45, 6777-6787.	1.9	294
20	Spatial and temporal variations in airborne particulate matter (PM10 and PM2.5) across Spain 1999-2005. <i>Atmospheric Environment</i> , 2008, 42, 3964-3979.	1.9	287
21	Characterization and intercomparison of aerosol absorption photometers: result of two intercomparison workshops. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 245-268.	1.2	284
22	AIRUSE-LIFE+: a harmonized PM speciation and source apportionment in five southern European cities. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3289-3309.	1.9	267
23	Environmental characterization of burnt coal gangue banks at Yangquan, Shanxi Province, China. <i>International Journal of Coal Geology</i> , 2008, 75, 93-104.	1.9	266
24	Speciation and origin of PM10 and PM2.5 in Spain. <i>Journal of Aerosol Science</i> , 2004, 35, 1151-1172.	1.8	246
25	Partitioning of major and trace components in PM10-PM2.5-PM1 at an urban site in Southern Europe. <i>Atmospheric Environment</i> , 2008, 42, 1677-1691.	1.9	243
26	Child exposure to indoor and outdoor air pollutants in schools in Barcelona, Spain. <i>Environment International</i> , 2014, 69, 200-212.	4.8	243
27	Source apportionment of PM10 and PM2.5 at multiple sites in the strait of Gibraltar by PMF: impact of shipping emissions. <i>Environmental Science and Pollution Research</i> , 2011, 18, 260-269.	2.7	238
28	Geochemistry and mineralogy of coal in the recently explored Zhundong large coal field in the Junggar basin, Xinjiang province, China. <i>International Journal of Coal Geology</i> , 2010, 82, 51-67.	1.9	234
29	Chemical Tracers of Particulate Emissions from Commercial Shipping. <i>Environmental Science & Technology</i> , 2009, 43, 7472-7477.	4.6	227
30	A Fast Method for Recycling Fly Ash: Microwave-Assisted Zeolite Synthesis. <i>Environmental Science & Technology</i> , 1997, 31, 2527-2533.	4.6	225
31	Monitoring of PM10 and PM2.5 around primary particulate anthropogenic emission sources. <i>Atmospheric Environment</i> , 2001, 35, 845-858.	1.9	220
32	Transport of desert dust mixed with North African industrial pollutants in the subtropical Saharan Air Layer. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6663-6685.	1.9	218
33	Comparative PM10-PM2.5 source contribution study at rural, urban and industrial sites during PM episodes in Eastern Spain. <i>Science of the Total Environment</i> , 2004, 328, 95-113.	3.9	216
34	PM speciation and sources in Mexico during the MILAGRO-2006 Campaign. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 111-128.	1.9	215
35	Wet and dry African dust episodes over eastern Spain. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	210
36	Variability in regional background aerosols within the Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4575-4591.	1.9	210

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37	A review on the effectiveness of street sweeping, washing and dust suppressants as urban PM control methods. <i>Science of the Total Environment</i> , 2010, 408, 3070-3084.	3.9	208
38	Variability of Particle Number, Black Carbon, and PM ₁₀ , PM _{2.5} , and PM ₁ Levels and Speciation: Influence of Road Traffic Emissions on Urban Air Quality. <i>Aerosol Science and Technology</i> , 2010, 44, 487-499.	1.5	207
39	Synthesis of zeolites from fly ash at pilot plant scale. Examples of potential applications. <i>Fuel</i> , 2001, 80, 857-865.	3.4	201
40	Synthesis of Na-zeolites from fly ash. <i>Fuel</i> , 1997, 76, 793-799.	3.4	197
41	Source apportionment of urban fine and ultra-fine particle number concentration in a Western Mediterranean city. <i>Atmospheric Environment</i> , 2009, 43, 4407-4415.	1.9	189
42	Characterisation of TSP and PM _{2.5} at Izaña and Sta. Cruz de Tenerife (Canary Islands, Spain) during a Saharan Dust Episode (July 2002). <i>Atmospheric Environment</i> , 2005, 39, 4715-4728.	1.9	187
43	Influence of African dust on the levels of atmospheric particulates in the Canary Islands air quality network. <i>Atmospheric Environment</i> , 2002, 36, 5861-5875.	1.9	180
44	Chemical characterisation and source apportionment of PM _{2.5} and PM ₁₀ at rural, urban and traffic sites in Navarra (North of Spain). <i>Atmospheric Research</i> , 2011, 102, 191-205.	1.8	176
45	A methodology for the quantification of the net African dust load in air quality monitoring networks. <i>Atmospheric Environment</i> , 2007, 41, 5516-5524.	1.9	174
46	Identification and characterisation of sources of PM ₁₀ in Madrid (Spain) by statistical methods. <i>Atmospheric Environment</i> , 2004, 38, 435-447.	1.9	173
47	Variability of levels and composition of PM ₁₀ and PM _{2.5} in the Barcelona metro system. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5055-5076.	1.9	173
48	Heavy metal adsorption by different minerals: application to the remediation of polluted soils. <i>Science of the Total Environment</i> , 1999, 242, 179-188.	3.9	171
49	Immobilization of heavy metals in polluted soils by the addition of zeolitic material synthesized from coal fly ash. <i>Chemosphere</i> , 2006, 62, 171-180.	4.2	170
50	Variations in vanadium, nickel and lanthanoid element concentrations in urban air. <i>Science of the Total Environment</i> , 2010, 408, 4569-4579.	3.9	163
51	The Effects of Particulate Matter Sources on Daily Mortality: A Case-Crossover Study of Barcelona, Spain. <i>Environmental Health Perspectives</i> , 2011, 119, 1781-1787.	2.8	161
52	Levels of particulate matter in rural, urban and industrial sites in Spain. <i>Science of the Total Environment</i> , 2004, 334-335, 359-376.	3.9	159
53	Recreational atmospheric pollution episodes: Inhalable metalliferous particles from firework displays. <i>Atmospheric Environment</i> , 2007, 41, 913-922.	1.9	158
54	Fossil versus contemporary sources of fine elemental and organic carbonaceous particulate matter during the DAURE campaign in Northeast Spain. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12067-12084.	1.9	157

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55	Sources of indoor and outdoor PM _{2.5} concentrations in primary schools. <i>Science of the Total Environment</i> , 2014, 490, 757-765.	3.9	153
56	Source apportionment analysis of atmospheric particulates in an industrialised urban site in southwestern Spain. <i>Atmospheric Environment</i> , 2002, 36, 3113-3125.	1.9	147
57	Influence of soil cover on reducing the environmental impact of spontaneous coal combustion in coal waste gobs: A review and new experimental data. <i>International Journal of Coal Geology</i> , 2011, 85, 2-22.	1.9	142
58	Subway platform air quality: Assessing the influences of tunnel ventilation, train piston effect and station design. <i>Atmospheric Environment</i> , 2014, 92, 461-468.	1.9	141
59	A study on the relationship between mass concentrations, chemistry and number size distribution of urban fine aerosols in Milan, Barcelona and London. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 2217-2232.	1.9	138
60	Anthropogenic and natural influence on the PM ₁₀ and PM _{2.5} aerosol in Madrid (Spain). Analysis of high concentration episodes. <i>Environmental Pollution</i> , 2003, 125, 453-465.	3.7	137
61	Inter-comparison of receptor models for PM source apportionment: Case study in an industrial area. <i>Atmospheric Environment</i> , 2008, 42, 3820-3832.	1.9	134
62	Interpretation of the variability of levels of regional background aerosols in the Western Mediterranean. <i>Science of the Total Environment</i> , 2008, 407, 527-540.	3.9	134
63	Monitoring the impact of desert dust outbreaks for air quality for health studies. <i>Environment International</i> , 2019, 130, 104867.	4.8	134
64	African dust outbreaks over the western Mediterranean Basin: 11-year characterization of atmospheric circulation patterns and dust source areas. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 6759-6775.	1.9	132
65	A European aerosol phenomenology-5: Climatology of black carbon optical properties at 9 regional background sites across Europe. <i>Atmospheric Environment</i> , 2016, 145, 346-364.	1.9	132
66	Size Fractionate Particulate Matter, Vehicle Traffic, and Case-Specific Daily Mortality in Barcelona, Spain. <i>Environmental Science & Technology</i> , 2009, 43, 4707-4714.	4.6	130
67	Biomass burning contributions to urban aerosols in a coastal Mediterranean City. <i>Science of the Total Environment</i> , 2012, 427-428, 175-190.	3.9	130
68	Comparative analysis of organic and elemental carbon concentrations in carbonaceous aerosols in three European cities. <i>Atmospheric Environment</i> , 2007, 41, 5972-5983.	1.9	128
69	Origin of high summer PM ₁₀ and TSP concentrations at rural sites in Eastern Spain. <i>Atmospheric Environment</i> , 2002, 36, 3101-3112.	1.9	127
70	Variations in atmospheric PM trace metal content in Spanish towns: Illustrating the chemical complexity of the inorganic urban aerosol cocktail. <i>Atmospheric Environment</i> , 2006, 40, 6791-6803.	1.9	126
71	Comparison of the results obtained by four receptor modelling methods in aerosol source apportionment studies. <i>Atmospheric Environment</i> , 2009, 43, 3989-3997.	1.9	125
72	Saharan dust, particulate matter and cause-specific mortality: A caseâ€“crossover study in Barcelona (Spain). <i>Environment International</i> , 2012, 48, 150-155.	4.8	125

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73	Geochemistry and mineralogy of the Cretaceous Wulantuga high-germanium coal deposit in Shengli coal field, Inner Mongolia, Northeastern China. <i>International Journal of Coal Geology</i> , 2006, 66, 119-136.	1.9	124
74	2001â€“2012 trends on air quality in Spain. <i>Science of the Total Environment</i> , 2014, 490, 957-969.	3.9	123
75	Phaseâ€“mineral and chemical composition of composite samples from feed coals, bottom ashes and fly ashes at the Soma power station, Turkey. <i>International Journal of Coal Geology</i> , 2005, 61, 35-63.	1.9	120
76	Tracing surface and airborne SARS-CoV-2 RNA inside public buses and subway trains. <i>Environment International</i> , 2021, 147, 106326.	4.8	119
77	ACTRIS ACSM intercomparison â€“ Part 2: Intercomparison of ME-2 organic source apportionment results from 15 individual, co-located aerosol mass spectrometers. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 2555-2576.	1.2	118
78	Trace element variation in size-fractionated African desert dusts. <i>Journal of Arid Environments</i> , 2008, 72, 1034-1045.	1.2	117
79	Spatial and temporal variability of carbonaceous aerosols: Assessing the impact of biomass burning in the urban environment. <i>Science of the Total Environment</i> , 2017, 578, 613-625.	3.9	117
80	Mineral composition of atmospheric particulates around a large coal-fired power station. <i>Atmospheric Environment</i> , 1996, 30, 3557-3572.	1.9	116
81	Extraction of soluble major and trace elements from fly ash in open and closed leaching systems. <i>Fuel</i> , 2001, 80, 801-813.	3.4	116
82	Seasonal evolution of suspended particles around a large coal-fired power station. <i>Atmospheric Environment</i> , 1998, 32, 1963-1978.	1.9	115
83	Copper aerosols inhibit phytoplankton growth in the Mediterranean Sea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 21246-21249.	3.3	115
84	Urban NH ₃ levels and sources in a Mediterranean environment. <i>Atmospheric Environment</i> , 2012, 57, 153-164.	1.9	115
85	Trends of road dust emissions contributions on ambient air particulate levels at rural, urban and industrial sites in southern Spain. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3533-3544.	1.9	115
86	Sources and processes affecting levels and composition of atmospheric aerosol in the western Mediterranean. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 12-1.	3.3	114
87	Trends of particulate matter (PM _{2.5}) and chemical composition at a regional background site in the Western Mediterranean over the last nine years (2002â€“2010). <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8341-8357.	1.9	114
88	Identification of PM sources by principal component analysis (PCA) coupled with wind direction data. <i>Chemosphere</i> , 2006, 65, 2411-2418.	4.2	112
89	Determination of the contribution of northern Africa dust source areas to PM ₁₀ concentrations over the central Iberian Peninsula using the Hybrid Single-Particle Lagrangian Integrated Trajectory model (HYSPLIT) model. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	107
90	Optical properties and chemical composition of aerosol particles at an urban location: An estimation of the aerosol mass scattering and absorption efficiencies. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	107

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91	Source apportionment of particle number size distribution in urban background and traffic stations in four European cities. <i>Environment International</i> , 2020, 135, 105345.	4.8	106
92	Synthesis of zeolites by alkaline activation of ferro-aluminous fly ash. <i>Fuel</i> , 1995, 74, 1226-1231.	3.4	104
93	Size and time-resolved roadside enrichment of atmospheric particulate pollutants. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 2917-2931.	1.9	104
94	Daily and hourly sourcing of metallic and mineral dust in urban air contaminated by traffic and coal-burning emissions. <i>Atmospheric Environment</i> , 2013, 68, 33-44.	1.9	104
95	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.	1.9	104
96	ACTRIS ACSM intercomparison “ Part 1: Reproducibility of concentration and fragment results from 13 individual Quadrupole Aerosol Chemical Speciation Monitors (Q-ACSM) and consistency with co-located instruments. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 5063-5087.	1.2	104
97	Organic and elemental carbon concentrations in carbonaceous aerosols during summer and winter sampling campaigns in Barcelona, Spain. <i>Atmospheric Environment</i> , 2006, 40, 2180-2193.	1.9	102
98	Variations of urban aerosols in the western Mediterranean. <i>Atmospheric Environment</i> , 2008, 42, 9052-9062.	1.9	102
99	Identification of fine (PM ₁) and coarse (PM ₁₀₋₁) sources of particulate matter in an urban environment. <i>Atmospheric Environment</i> , 2014, 89, 593-602.	1.9	100
100	Outdoor infiltration and indoor contribution of UFP and BC, OC, secondary inorganic ions and metals in PM _{2.5} in schools. <i>Atmospheric Environment</i> , 2015, 106, 129-138.	1.9	100
101	Modulation of Saharan dust export by the North African dipole. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7471-7486.	1.9	99
102	Tracers and impact of open burning of rice straw residues on PM in Eastern Spain. <i>Atmospheric Environment</i> , 2008, 42, 1941-1957.	1.9	98
103	Variations of levels and composition of PM ₁₀ and PM _{2.5} at an insular site in the Western Mediterranean. <i>Atmospheric Research</i> , 2009, 94, 285-299.	1.8	96
104	Traffic induced particle resuspension in Paris: Emission factors and source contributions. <i>Atmospheric Environment</i> , 2016, 129, 114-124.	1.9	96
105	Seasonal evolution of suspended particles around a large coal-fired power station: Chemical characterization. <i>Atmospheric Environment</i> , 1998, 32, 719-731.	1.9	95
106	Ice nucleating particles in the Saharan Air Layer. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9067-9087.	1.9	93
107	Geochemistry of regional background aerosols in the Western Mediterranean. <i>Atmospheric Research</i> , 2009, 94, 422-435.	1.8	92
108	A comprehensive assessment of PM emissions from paved roads: Real-world Emission Factors and intense street cleaning trials. <i>Science of the Total Environment</i> , 2010, 408, 4309-4318.	3.9	92

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109	Discriminating the regional and urban contributions in the North-Western Mediterranean: PM levels and composition. <i>Atmospheric Environment</i> , 2010, 44, 1587-1596.	1.9	92
110	Variability of aerosol optical properties in the Western Mediterranean Basin. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8189-8203.	1.9	92
111	Arsenic speciation of atmospheric particulate matter (PM10) in an industrialised urban site in southwestern Spain. <i>Chemosphere</i> , 2007, 66, 1485-1493.	4.2	91
112	Impact of harbour emissions on ambient PM10 and PM2.5 in Barcelona (Spain): Evidences of secondary aerosol formation within the urban area. <i>Science of the Total Environment</i> , 2016, 571, 237-250.	3.9	90
113	Variations in time and space of trace metal aerosol concentrations in urban areas and their surroundings. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 9415-9430.	1.9	89
114	Events Affecting Levels and Seasonal Evolution of Airborne Particulate Matter Concentrations in the Western Mediterranean. <i>Environmental Science & Technology</i> , 2003, 37, 216-222.	4.6	88
115	Influence of sea breeze circulation and road traffic emissions on the relationship between particle number, black carbon, PM1, PM2.5 and PM2.5^{ac}10 concentrations in a coastal city. <i>Atmospheric Environment</i> , 2008, 42, 6523-6534.	1.9	86
116	On the spatial distribution and evolution of ultrafine particles in Barcelona. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 741-759.	1.9	85
117	Lanthanoid Geochemistry of Urban Atmospheric Particulate Matter. <i>Environmental Science & Technology</i> , 2008, 42, 6502-6507.	4.6	84
118	Evolution of pyrite mud weathering and mobility of heavy metals in the Guadiamar valley after the Aznalc��llar spill, south-west Spain. <i>Science of the Total Environment</i> , 1999, 242, 41-55.	3.9	82
119	Ge distribution in the Wulantuga high-germanium coal deposit in the Shengli coalfield, Inner Mongolia, northeastern China. <i>International Journal of Coal Geology</i> , 2009, 78, 16-26.	1.9	82
120	Intense winter atmospheric pollution episodes affecting the Western Mediterranean. <i>Science of the Total Environment</i> , 2010, 408, 1951-1959.	3.9	80
121	Long-term real-time chemical characterization of submicron aerosols at Montsec (southern Pyrenees.) Tj ETQq1 1 0,784314 rgBT /Ove	1.9	80
122	Lessons from the COVID-19 air pollution decrease in Spain: Now what?. <i>Science of the Total Environment</i> , 2021, 779, 146380.	3.9	80
123	Identification of FCC refinery atmospheric pollution events using lanthanoid- and vanadium-bearing aerosols. <i>Atmospheric Environment</i> , 2008, 42, 7851-7861.	1.9	79
124	Comparative chemical mass closure of fine and coarse aerosols at two sites in south and west Europe: Implications for EU air pollution policies. <i>Atmospheric Environment</i> , 2007, 41, 315-326.	1.9	77
125	Identification and Chemical Characterization of Industrial Particulate Matter Sources in Southwest Spain. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 993-1006.	0.9	76
126	Influence of Sampling Artefacts on Measured PM, OC, and EC Levels in Carbonaceous Aerosols in an Urban Area. <i>Aerosol Science and Technology</i> , 2006, 40, 107-117.	1.5	76

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127	Mineralogy and geochemistry of the Late Permian coals in the Huayingshan coal-bearing area, Sichuan Province, China. <i>International Journal of Coal Geology</i> , 2012, 94, 271-282.	1.9	76
128	Evidence of biomass burning aerosols in the Barcelona urban environment during winter time. <i>Atmospheric Environment</i> , 2013, 72, 81-88.	1.9	76
129	European aerosol phenomenology 6: scattering properties of atmospheric aerosol particles from 28 ACTRIS sites. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7877-7911.	1.9	76
130	Mineralogy and geochemistry of coal from the Liupanshui mining district, Guizhou, south China. <i>International Journal of Coal Geology</i> , 2000, 45, 21-37.	1.9	75
131	Influence of traffic on the PM10 and PM2.5 urban aerosol fractions in Madrid (Spain). <i>Science of the Total Environment</i> , 2004, 334-335, 111-123.	3.9	75
132	Characterisation of local and external contributions of atmospheric particulate matter at a background coastal site. <i>Atmospheric Environment</i> , 2007, 41, 1-17.	1.9	75
133	A combined analysis of backward trajectories and aerosol chemistry to characterise long-range transport episodes of particulate matter: The Madrid air basin, a case study. <i>Science of the Total Environment</i> , 2008, 390, 495-506.	3.9	75
134	A multidisciplinary approach to characterise exposure risk and toxicological effects of PM10 and PM2.5 samples in urban environments. <i>Ecotoxicology and Environmental Safety</i> , 2012, 78, 327-335.	2.9	75
135	Petrology, mineralogy and geochemistry of the Permian and Triassic coals in the Leping area, Jiangxi Province, southeast China. <i>International Journal of Coal Geology</i> , 2001, 48, 23-45.	1.9	74
136	Emission factors from road dust resuspension in a Mediterranean freeway. <i>Atmospheric Environment</i> , 2012, 61, 580-587.	1.9	73
137	Neural network model for the prediction of PM10 daily concentrations in two sites in the Western Mediterranean. <i>Science of the Total Environment</i> , 2013, 463-464, 875-883.	3.9	73
138	Summer ammonia measurements in a densely populated Mediterranean city. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7557-7575.	1.9	72
139	Geological controls on the mineral matter and trace elements of coals from the Fuxin basin, Liaoning Province, northeast China. <i>International Journal of Coal Geology</i> , 1997, 34, 89-109.	1.9	71
140	Monitoring of atmospheric particulate matter around sources of secondary inorganic aerosol. <i>Atmospheric Environment</i> , 2004, 38, 4979-4992.	1.9	70
141	Determination of element affinities by density fractionation of bulk coal samples. <i>Fuel</i> , 2001, 80, 83-96.	3.4	69
142	Effect of fireworks events on urban background trace metal aerosol concentrations: Is the cocktail worth the show?. <i>Journal of Hazardous Materials</i> , 2010, 183, 945-949.	6.5	69
143	On the quantification of atmospheric carbonate carbon by thermal/optical analysis protocols. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 2409-2419.	1.2	69
144	Chemical fingerprint and impact of shipping emissions over a western Mediterranean metropolis: Primary and aged contributions. <i>Science of the Total Environment</i> , 2013, 463-464, 497-507.	3.9	69

#	ARTICLE	IF	CITATIONS
145	Chemical characterization of submicron regional background aerosols in the western Mediterranean using an Aerosol Chemical Speciation Monitor. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6379-6391.	1.9	69
146	Spatiotemporally resolved black carbon concentration, schoolchildren's exposure and dose in Barcelona. <i>Indoor Air</i> , 2016, 26, 391-402.	2.0	69
147	PM levels in the Basque Country (Northern Spain): analysis of a 5-year data record and interpretation of seasonal variations. <i>Atmospheric Environment</i> , 2003, 37, 2879-2891.	1.9	68
148	Natural sources of atmospheric aerosols influencing air quality across Europe. <i>Science of the Total Environment</i> , 2014, 472, 825-833.	3.9	68
149	Speciation and sources of atmospheric aerosols in a highly industrialised emerging mega-city in Central China. <i>Journal of Environmental Monitoring</i> , 2006, 8, 1049-1059.	2.1	67
150	Urban aerosol size distributions over the Mediterranean city of Barcelona, NE Spain. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10693-10707.	1.9	67
151	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.	1.9	67
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