

Xavier Querol

List of Publications by Year in descending order

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710
papers

52,790
citations

1040

113
h-index

3476

182
g-index

784
all docs

784
docs citations

784
times ranked

30313
citing authors

#	ARTICLE	IF	CITATIONS
1	How can airborne transmission of COVID-19 indoors be minimised?. <i>Environment International</i> , 2020, 142, 105832.	4.8	933
2	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
3	A European aerosol phenomenologyâ€™2: chemical characteristics of particulate matter at kerbside, urban, rural and background sites in Europe. <i>Atmospheric Environment</i> , 2004, 38, 2579-2595.	1.9	801
4	Synthesis of zeolites from coal fly ash: an overview. <i>International Journal of Coal Geology</i> , 2002, 50, 413-423.	1.9	707
5	A European aerosol phenomenology â€™ 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
6	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
7	Green spaces and cognitive development in primary schoolchildren. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7937-7942.	3.3	577
8	Leaching behaviour of elements from coal combustion fly ash: An overview. <i>International Journal of Coal Geology</i> , 2012, 94, 54-66.	1.9	570
9	PM10 and PM2.5 source apportionment in the Barcelona Metropolitan area, Catalonia, Spain. <i>Atmospheric Environment</i> , 2001, 35, 6407-6419.	1.9	563
10	Speciation and origin of PM10 and PM2.5 in selected European cities. <i>Atmospheric Environment</i> , 2004, 38, 6547-6555.	1.9	531
11	Trace elements in coal and their behaviour during combustion in a large power station. <i>Fuel</i> , 1995, 74, 331-343.	3.4	520
12	A European aerosol phenomenologyâ€™1: physical characteristics of particulate matter at kerbside, urban, rural and background sites in Europe. <i>Atmospheric Environment</i> , 2004, 38, 2561-2577.	1.9	494
13	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
14	Saharan dust contributions to PM10 and TSP levels in Southern and Eastern Spain. <i>Atmospheric Environment</i> , 2001, 35, 2433-2447.	1.9	482
15	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
16	Impact of maritime transport emissions on coastal air quality in Europe. <i>Atmospheric Environment</i> , 2014, 90, 96-105.	1.9	435
17	Purification of metal electroplating waste waters using zeolites. <i>Water Research</i> , 2003, 37, 4855-4862.	5.3	429
18	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

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19	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
20	Spatial and chemical patterns of PM ₁₀ in road dust deposited in urban environment. <i>Atmospheric Environment</i> , 2009, 43, 1650-1659.	1.9	387
21	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
22	African dust contributions to mean ambient PM ₁₀ mass-levels across the Mediterranean Basin. <i>Atmospheric Environment</i> , 2009, 43, 4266-4277.	1.9	375
23	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
24	Geochemical variations in aeolian mineral particles from the Sahara-Sahel Dust Corridor. <i>Chemosphere</i> , 2006, 65, 261-270.	4.2	330
25	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
26	Urban air quality: The challenge of traffic non-exhaust emissions. <i>Journal of Hazardous Materials</i> , 2014, 275, 31-36.	6.5	314
27	Coarse Particles From Saharan Dust and Daily Mortality. <i>Epidemiology</i> , 2008, 19, 800-807.	1.2	301
28	Sources and variability of inhalable road dust particles in three European cities. <i>Atmospheric Environment</i> , 2011, 45, 6777-6787.	1.9	294
29	Spatial and temporal variations in airborne particulate matter (PM ₁₀ and PM _{2.5}) across Spain 1999-2005. <i>Atmospheric Environment</i> , 2008, 42, 3964-3979.	1.9	287
30	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
31	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
32	Physico-chemical characteristics of European pulverized coal combustion fly ashes. <i>Fuel</i> , 2005, 84, 1351-1363.	3.4	247
33	Speciation and origin of PM ₁₀ and PM _{2.5} in Spain. <i>Journal of Aerosol Science</i> , 2004, 35, 1151-1172.	1.8	246
34	Partitioning of major and trace components in PM ₁₀ -PM _{2.5} -PM ₁ at an urban site in Southern Europe. <i>Atmospheric Environment</i> , 2008, 42, 1677-1691.	1.9	243
35	Child exposure to indoor and outdoor air pollutants in schools in Barcelona, Spain. <i>Environment International</i> , 2014, 69, 200-212.	4.8	243
36	Source apportionment of PM ₁₀ and PM _{2.5} 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

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37	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
38	Chemical Tracers of Particulate Emissions from Commercial Shipping. <i>Environmental Science & Technology</i> , 2009, 43, 7472-7477.	4.6	227
39	A Fast Method for Recycling Fly Ash: Microwave-Assisted Zeolite Synthesis. <i>Environmental Science & Technology</i> , 1997, 31, 2527-2533.	4.6	225
40	Monitoring of PM ₁₀ and PM _{2.5} around primary particulate anthropogenic emission sources. <i>Atmospheric Environment</i> , 2001, 35, 845-858.	1.9	220
41	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
42	Quantifying the health impacts of ambient air pollutants: recommendations of a WHO/Europe project. <i>International Journal of Public Health</i> , 2015, 60, 619-627.	1.0	217
43	Comparative PM ₁₀ –PM _{2.5} 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
44	PM speciation and sources in Mexico during the MILAGRO-2006 Campaign. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 111-128.	1.9	215
45	Wet and dry African dust episodes over eastern Spain. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	210
46	Variability in regional background aerosols within the Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4575-4591.	1.9	210
47	Review of the efficacy of low emission zones to improve urban air quality in European cities. <i>Atmospheric Environment</i> , 2015, 111, 161-169.	1.9	210
48	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
49	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
50	Geological controls on the mineralogy and geochemistry of the Beypazari lignite, central Anatolia, Turkey. <i>International Journal of Coal Geology</i> , 1997, 33, 255-271.	1.9	203
51	Synthesis of zeolites from fly ash at pilot plant scale. Examples of potential applications. <i>Fuel</i> , 2001, 80, 857-865.	3.4	201
52	Coal fly ash-slag-based geopolymers: Microstructure and metal leaching. <i>Journal of Hazardous Materials</i> , 2009, 166, 561-566.	6.5	200
53	Synthesis of Na-zeolites from fly ash. <i>Fuel</i> , 1997, 76, 793-799.	3.4	197
54	Health effects from Sahara dust episodes in Europe: Literature review and research gaps. <i>Environment International</i> , 2012, 47, 107-114.	4.8	194

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55	Associations between Fine and Coarse Particles and Mortality in Mediterranean Cities: Results from the MED-PARTICLES Project. <i>Environmental Health Perspectives</i> , 2013, 121, 932-938.	2.8	193
56	A paradigm shift to combat indoor respiratory infection. <i>Science</i> , 2021, 372, 689-691.	6.0	192
57	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
58	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
59	Mexico city aerosol analysis during MILAGRO using high resolution aerosol mass spectrometry at the urban supersite (TO) – Part 2: Analysis of the biomass burning contribution and the non-fossil carbon fraction. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5315-5341.	1.9	182
60	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
61	Short-term Associations between Fine and Coarse Particulate Matter and Hospitalizations in Southern Europe: Results from the MED-PARTICLES Project. <i>Environmental Health Perspectives</i> , 2013, 121, 1026-1033.	2.8	180
62	Utilization of Zeolites Synthesized from Coal Fly Ash for the Purification of Acid Mine Waters. <i>Environmental Science & Technology</i> , 2001, 35, 3526-3534.	4.6	179
63	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
64	Polycyclic aromatic hydrocarbons and their derivatives (nitro-PAHs, oxygenated PAHs, and azaarenes) in PM _{2.5} from Southern European cities. <i>Science of the Total Environment</i> , 2017, 595, 494-504.	3.9	175
65	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
66	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
67	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
68	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
69	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
70	Mobility of trace elements from coal and combustion wastes. <i>Fuel</i> , 1996, 75, 821-838.	3.4	169
71	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
72	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

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73	Traffic and nucleation events as main sources of ultrafine particles in high-insolation developed world cities. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5929-5945.	1.9	161
74	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
75	Recreational atmospheric pollution episodes: Inhalable metalliferous particles from firework displays. <i>Atmospheric Environment</i> , 2007, 41, 913-922.	1.9	158
76	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
77	Hourly elemental concentrations in PM _{2.5} aerosols sampled simultaneously at urban background and road site during SAPUSS diurnal variations and PMF receptor modelling. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 4375-4392.	1.9	155
78	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
79	Chemical composition and minerals in pyrite ash of an abandoned sulphuric acid production plant. <i>Science of the Total Environment</i> , 2012, 430, 34-47.	3.9	151
80	Desert Dust Outbreaks in Southern Europe: Contribution to Daily PM ₁₀ Concentrations and Short-Term Associations with Mortality and Hospital Admissions. <i>Environmental Health Perspectives</i> , 2016, 124, 413-419.	2.8	148
81	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
82	The association between greenness and traffic-related air pollution at schools. <i>Science of the Total Environment</i> , 2015, 523, 59-63.	3.9	146
83	Assessment of personal exposure to particulate air pollution during commuting in European cities Recommendations and policy implications. <i>Science of the Total Environment</i> , 2014, 490, 785-797.	3.9	145
84	Environmental impact of a coal combustion-desulphurisation plant: Abatement capacity of desulphurisation process and environmental characterisation of combustion by-products. <i>Chemosphere</i> , 2006, 65, 2009-2017.	4.2	142
85	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
86	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
87	Exposure to airborne particulate matter in the subway system. <i>Science of the Total Environment</i> , 2015, 511, 711-722.	3.9	140
88	Adsorption of Cr(VI) from synthetic solutions and electroplating wastewaters on amorphous aluminium oxide. <i>Journal of Hazardous Materials</i> , 2007, 142, 191-198.	6.5	139
89	Spatial and temporal variability in aerosol properties over the Mediterranean basin based on 6-year (2000-2006) MODIS data. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	139
90	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

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91	Factors controlling air quality in different European subway systems. <i>Environmental Research</i> , 2016, 146, 35-46.	3.7	138
92	Anthropogenic and natural influence on the PM10 and PM2.5 aerosol in Madrid (Spain). Analysis of high concentration episodes. <i>Environmental Pollution</i> , 2003, 125, 453-465.	3.7	137
93	Urban air quality comparison for bus, tram, subway and pedestrian commutes in Barcelona. <i>Environmental Research</i> , 2015, 142, 495-510.	3.7	136
94	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
95	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
96	Monitoring the impact of desert dust outbreaks for air quality for health studies. <i>Environment International</i> , 2019, 130, 104867.	4.8	134
97	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
98	Contents of major and trace elements in feed coals from Turkish coal-fired power plants. <i>International Journal of Coal Geology</i> , 2000, 44, 169-184.	1.9	131
99	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
100	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
101	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
102	PM2.5 chemical composition in five European Mediterranean cities: A 1-year study. <i>Atmospheric Research</i> , 2015, 155, 102-117.	1.8	128
103	Children's well-being at schools: Impact of climatic conditions and air pollution. <i>Environment International</i> , 2016, 94, 196-210.	4.8	128
104	Origin of high summer PM10 and TSP concentrations at rural sites in Eastern Spain. <i>Atmospheric Environment</i> , 2002, 36, 3101-3112.	1.9	127
105	Traffic pollution exposure is associated with altered brain connectivity in school children. <i>NeuroImage</i> , 2016, 129, 175-184.	2.1	127
106	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
107	A global observational analysis to understand changes in air quality during exceptionally low anthropogenic emission conditions. <i>Environment International</i> , 2021, 157, 106818.	4.8	126
108	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

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109	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
110	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
111	Origin of the exceedances of the European daily PM limit value in regional background areas of Spain. <i>Atmospheric Environment</i> , 2007, 41, 730-744.	1.9	124
112	Mineralogy and leaching characteristics of beneficiated coal products from Santa Catarina, Brazil. <i>International Journal of Coal Geology</i> , 2012, 94, 314-325.	1.9	124
113	2001â€“2012 trends on air quality in Spain. <i>Science of the Total Environment</i> , 2014, 490, 957-969.	3.9	123
114	Traffic-Related Air Pollution, Noise at School, and Behavioral Problems in Barcelona Schoolchildren: A Cross-Sectional Study. <i>Environmental Health Perspectives</i> , 2016, 124, 529-535.	2.8	122
115	Characterization of Candiota (South Brazil) coal and combustion by-product. <i>International Journal of Coal Geology</i> , 2004, 60, 57-72.	1.9	120
116	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
117	Recovery of gallium and vanadium from gasification fly ash. <i>Journal of Hazardous Materials</i> , 2007, 139, 413-423.	6.5	120
118	Tracing surface and airborne SARS-CoV-2 RNA inside public buses and subway trains. <i>Environment International</i> , 2021, 147, 106326.	4.8	119
119	Trace element variation in size-fractionated African desert dusts. <i>Journal of Arid Environments</i> , 2008, 72, 1034-1045.	1.2	117
120	Mineral composition of atmospheric particulates around a large coal-fired power station. <i>Atmospheric Environment</i> , 1996, 30, 3557-3572.	1.9	116
121	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
122	A new look at inhalable metalliferous airborne particles on rail subway platforms. <i>Science of the Total Environment</i> , 2015, 505, 367-375.	3.9	116
123	Seasonal evolution of suspended particles around a large coal-fired power station. <i>Atmospheric Environment</i> , 1998, 32, 1963-1978.	1.9	115
124	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
125	Urban NH ₃ levels and sources in a Mediterranean environment. <i>Atmospheric Environment</i> , 2012, 57, 153-164.	1.9	115
126	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

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127	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
128	Trends of particulate matter (PM _{2.5}) and chemical composition at a regional background site in the Western Mediterranean over the last nine years (2002–2010). <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8341-8357.	1.9	114
129	Identification of PM sources by principal component analysis (PCA) coupled with wind direction data. <i>Chemosphere</i> , 2006, 65, 2411-2418.	4.2	112
130	Partitioning of trace inorganic elements in a coal-fired power plant equipped with a wet Flue Gas Desulphurisation system. <i>Fuel</i> , 2012, 92, 145-157.	3.4	111
131	Waste stabilization/solidification of an electric arc furnace dust using fly ash-based geopolymers. <i>Fuel</i> , 2009, 88, 1185-1193.	3.4	110
132	Ultrafine particles and PM _{2.5} in the air of cities around the world: Are they representative of each other?. <i>Environment International</i> , 2019, 129, 118-135.	4.8	110
133	Practical Indicators for Risk of Airborne Transmission in Shared Indoor Environments and Their Application to COVID-19 Outbreaks. <i>Environmental Science & Technology</i> , 2022, 56, 1125-1137.	4.6	109
134	An introductory TEM study of Fe-nanominerals within coal fly ash. <i>Science of the Total Environment</i> , 2009, 407, 4972-4974.	3.9	108
135	Mobility of heavy metals from coal fly ash. <i>Environmental Geology</i> , 1994, 23, 264-270.	1.2	107
136	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
137	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
138	Effect of exposure to polycyclic aromatic hydrocarbons on basal ganglia and attention-deficit hyperactivity disorder symptoms in primary school children. <i>Environment International</i> , 2017, 105, 12-19.	4.8	106
139	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
140	Synthesis of zeolites by alkaline activation of ferro-aluminous fly ash. <i>Fuel</i> , 1995, 74, 1226-1231.	3.4	104
141	Size and time-resolved roadside enrichment of atmospheric particulate pollutants. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 2917-2931.	1.9	104
142	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
143	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
144	Chemical profiling of PM ₁₀ from urban road dust. <i>Science of the Total Environment</i> , 2018, 634, 41-51.	3.9	104

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145	Fine and coarse PM composition and sources in rural and urban sites in Switzerland: Local or regional pollution?. <i>Science of the Total Environment</i> , 2012, 427-428, 191-202.	3.9	103
146	The regime of intense desert dust episodes in the Mediterranean based on contemporary satellite observations and ground measurements. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 12135-12154.	1.9	103
147	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
148	Variations of urban aerosols in the western Mediterranean. <i>Atmospheric Environment</i> , 2008, 42, 9052-9062.	1.9	102
149	Leaching of potential hazardous elements of coal cleaning rejects. <i>Environmental Monitoring and Assessment</i> , 2011, 175, 109-126.	1.3	102
150	Brazilian coal mining residues and sulphide oxidation by Fenton's reaction: An accelerated weathering procedure to evaluate possible environmental impact. <i>Journal of Hazardous Materials</i> , 2011, 186, 516-525.	6.5	102
151	Solid Particulate Matter in the Atmosphere. <i>Elements</i> , 2010, 6, 215-222.	0.5	101
152	Environmental geochemistry of the feed coals and their combustion by-products from two coal-fired power plants in Xinjiang Province, Northwest China. <i>Fuel</i> , 2012, 95, 446-456.	3.4	101
153	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
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