Xavier Querol

List of Publications by Citations

734 papers	41,737 citations	104 h-index	166 g-index
784 ext. papers	46,960 ext. citations	6.7 avg, IF	7.38 L-index

#	Paper	IF	Citations
734	A European aerosol phenomenology-2: chemical characteristics of particulate matter at kerbside, urban, rural and background sites in Europe. *Atmospheric Environment*, **2004**, 38, 2579-2595	5.3	744
733	Source apportionment of particulate matter in Europe: A review of methods and results. *Journal of Aerosol Science*, **2008**, 39, 827-849	4.3	674
732	Synthesis of zeolites from coal fly ash: an overview. *International Journal of Coal Geology*, **2002**, 50, 413-423	5.5	592
731	A European aerosol phenomenology-3: Physical and chemical characteristics of particulate matter from 60 rural, urban, and kerbside sites across Europe. *Atmospheric Environment*, **2010**, 44, 1308-1320	5.3	563
730	How can airborne transmission of COVID-19 indoors be minimised?. *Environment International*, **2020** , 142, 105832	12.9	525
729	PM10 and PM2.5 source apportionment in the Barcelona Metropolitan area, Catalonia, Spain. *Atmospheric Environment*, **2001**, 35, 6407-6419	5.3	495
728	Trace elements in coal and their behaviour during combustion in a large power station. *Fuel*, **1995**, 74, 331-343	7.1	470
727	Speciation and origin of PM10 and PM2.5 in selected European cities. *Atmospheric Environment*, **2004**, 38, 6547-6555	5.3	464
726	Leaching behaviour of elements from coal combustion fly ash: An overview. *International Journal of Coal Geology*, **2012**, 94, 54-66	5.5	463
725	Changes in air quality during the lockdown in Barcelona (Spain) one month into the SARS-CoV-2 epidemic. *Science of the Total Environment*, **2020**, 726, 138540	10.2	425
724	Saharan dust contributions to PM10 and TSP levels in Southern and Eastern Spain. *Atmospheric Environment*, **2001**, 35, 2433-2447	5.3	425
723	Quantifying road dust resuspension in urban environment by Multilinear Engine: A comparison with PMF2. *Atmospheric Environment*, **2009**, 43, 2770-2780	5.3	404
722	Green spaces and cognitive development in primary schoolchildren. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 7937-42	11.5	393
721	A European aerosol phenomenology-1: physical characteristics of particulate matter at kerbside, urban, rural and background sites in Europe. *Atmospheric Environment*, **2004**, 38, 2561-2577	5.3	381
720	Purification of metal electroplating waste waters using zeolites. *Water Research*, **2003**, 37, 4855-62	12.5	373
719	Identification and quantification of organic aerosol from cooking and other sources in Barcelona using aerosol mass spectrometer data. *Atmospheric Chemistry and Physics*, **2012**, 12, 1649-1665	6.8	353
718	Spatial and chemical patterns of PM10 in road dust deposited in urban environment. *Atmospheric Environment*, **2009**, 43, 1650-1659	5.3	331

717	Source origin of trace elements in PM from regional background, urban and industrial sites of Spain. *Atmospheric Environment*, **2007**, 41, 7219-7231	5.3	330
716	African dust contributions to mean ambient PM10 mass-levels across the Mediterranean Basin. *Atmospheric Environment*, **2009**, 43, 4266-4277	5.3	318
715	Impact of maritime transport emissions on coastal air quality in Europe. *Atmospheric Environment*, **2014**, 90, 96-105	5.3	304
714	Geochemical variations in aeolian mineral particles from the Sahara-Sahel Dust Corridor. *Chemosphere*, **2006**, 65, 261-70	8.4	294
713	Association between traffic-related air pollution in schools and cognitive development in primary school children: a prospective cohort study. *PLoS Medicine*, **2015**, 12, e1001792	11.6	293
712	Environmental, physical and structural characterisation of geopolymer matrixes synthesised from coal (co-)combustion fly ashes. *Journal of Hazardous Materials*, **2008**, 154, 175-83	12.8	287
711	African dust outbreaks over the Mediterranean Basin during 2001–2011: PM₁₀ concentrations, phenomenology and trends, and its relation with synoptic and mesoscale meteorology. *Atmospheric Chemistry and Physics*, **2013**, 13, 1395-1410	6.8	280
710	New considerations for PM, Black Carbon and particle number concentration for air quality monitoring across different European cities. *Atmospheric Chemistry and Physics*, **2011**, 11, 6207-6227	6.8	269
709	Coarse particles from Saharan dust and daily mortality. *Epidemiology*, **2008**, 19, 800-7	3.1	269
708	Spatial and temporal variations in airborne particulate matter (PM10 and PM2.5) across Spain 1999–2005. *Atmospheric Environment*, **2008**, 42, 3964-3979	5.3	258
707	Sources and variability of inhalable road dust particles in three European cities. *Atmospheric Environment*, **2011**, 45, 6777-6787	5.3	234
706	Urban air quality: the challenge of traffic non-exhaust emissions. *Journal of Hazardous Materials*, **2014**, 275, 31-6	12.8	221
705	Environmental characterization of burnt coal gangue banks at Yangquan, Shanxi Province, China. *International Journal of Coal Geology*, **2008**, 75, 93-104	5.5	212
704	Speciation and origin of PM10 and PM2.5 in Spain. *Journal of Aerosol Science*, **2004**, 35, 1151-1172	4.3	207
703	Partitioning of major and trace components in PM10–PM2.5–PM1 at an urban site in Southern Europe. *Atmospheric Environment*, **2008**, 42, 1677-1691	5.3	205
702	Physico-chemical characteristics of European pulverized coal combustion fly ashes. *Fuel*, **2005**, 84, 1351-1363	7.4	203
701	Geochemistry and mineralogy of coal in the recently explored Zhundong large coal field in the Junggar basin, Xinjiang province, China. *International Journal of Coal Geology*, **2010**, 82, 51-67	5.5	200
700	A Fast Method for Recycling Fly Ash:´Microwave-Assisted Zeolite Synthesis. *Environmental Science & Technology*, **1997**, 31, 2527-2533	10.3	195

699	Monitoring of PM10 and PM2.5 around primary particulate anthropogenic emission sources. *Atmospheric Environment*, **2001**, 35, 845-858	5.3	195
698	AIRUSE-LIFE+: a harmonized PM speciation and source apportionment in five´southern European cities. *Atmospheric Chemistry and Physics*, **2016**, 16, 3289-3309	6.8	191
697	Child exposure to indoor and outdoor air pollutants in schools in Barcelona, Spain. *Environment International*, **2014**, 69, 200-12	12.9	190
696	Source apportionment of PM(10) and PM(2.5) at multiple sites in the strait of Gibraltar by PMF: impact of shipping emissions. *Environmental Science and Pollution Research*, **2011**, 18, 260-9	5.1	190
695	PM speciation and sources in Mexico during the MILAGRO-2006 Campaign. *Atmospheric Chemistry and Physics*, **2008**, 8, 111-128	6.8	188
694	Comparative PM10-PM2.5 source contribution study at rural, urban and industrial sites during PM episodes in Eastern Spain. *Science of the Total Environment*, **2004**, 328, 95-113	10.2	186
693	Transport of desert dust mixed with North African industrial pollutants in the subtropical Saharan Air Layer. *Atmospheric Chemistry and Physics*, **2011**, 11, 6663-6685	6.8	183
692	Wet and dry African dust episodes over eastern Spain. *Journal of Geophysical Research*, **2005**, 110,		181
691	Geological controls on the mineralogy and geochemistry of the Beypazari lignite, central Anatolia, Turkey. *International Journal of Coal Geology*, **1997**, 33, 255-271	5.5	178
690	Variability of Particle Number, Black Carbon, and PM10, PM2.5, and PM1 Levels and Speciation: Influence of Road Traffic Emissions on Urban Air Quality. *Aerosol Science and Technology*, **2010**, 44, 487-499	3.4	176
689	Chemical tracers of particulate emissions from commercial shipping. *Environmental Science & Technology*, **2009**, 43, 7472-7	10.3	176
688	Variability in regional background aerosols within the Mediterranean. *Atmospheric Chemistry and Physics*, **2009**, 9, 4575-4591	6.8	173
687	Synthesis of zeolites from fly ash at pilot plant scale. Examples of potential applications. *Fuel*, **2001**, 80, 857-865	7.1	172
686	Synthesis of Na-zeolites from fly ash. *Fuel*, **1997**, 76, 793-799	7.1	166
685	A review on the effectiveness of street sweeping, washing and dust suppressants as urban PM control methods. *Science of the Total Environment*, **2010**, 408, 3070-84	10.2	164
684	Characterisation of TSP and PM2.5 at Izaa and Sta. Cruz de Tenerife (Canary Islands, Spain) during a Saharan Dust Episode (July 2002). *Atmospheric Environment*, **2005**, 39, 4715-4728	5.3	161
683	Source apportionment of urban fine and ultra-fine particle number concentration in a Western Mediterranean city. *Atmospheric Environment*, **2009**, 43, 4407-4415	5.3	160
682	Coal fly ash-slag-based geopolymers: microstructure and metal leaching. *Journal of Hazardous Materials*, **2009**, 166, 561-6	12.8	158

681	Mexico city aerosol analysis during MILAGRO using high resolution aerosol mass spectrometry at the urban supersite (T0) Part 2: Analysis of the biomass burning contribution and the non-fossil carbon fraction. *Atmospheric Chemistry and Physics*, **2010**, 10, 5315-5341	6.8	157
680	A methodology for the quantification of the net African dust load in air quality monitoring networks. *Atmospheric Environment*, **2007**, 41, 5516-5524	5.3	157
679	Utilization of zeolites synthesized from coal fly ash for the purification of acid mine waters. *Environmental Science & Technology*, **2001**, 35, 3526-34	10.3	157
678	Influence of African dust on the levels of atmospheric particulates in the Canary Islands air quality network. *Atmospheric Environment*, **2002**, 36, 5861-5875	5.3	156
677	Mobility of trace elements from coal and combustion wastes. *Fuel*, **1996**, 75, 821-838	7.1	156
676	Quantifying the health impacts of ambient air pollutants: recommendations of a WHO/Europe project. *International Journal of Public Health*, **2015**, 60, 619-27	4	155
675	Associations between fine and coarse particles and mortality in Mediterranean cities: results from the MED-PARTICLES project. *Environmental Health Perspectives*, **2013**, 121, 932-8	8.4	154
674	Identification and characterisation of sources of PM10 in Madrid (Spain) by statistical methods. *Atmospheric Environment*, **2004**, 38, 435-447	5.3	154
673	Short-term associations between fine and coarse particulate matter and hospitalizations in Southern Europe: results from the MED-PARTICLES project. *Environmental Health Perspectives*, **2013**, 121, 1026-33	8.4	152
672	Immobilization of heavy metals in polluted soils by the addition of zeolitic material synthesized from coal fly ash. *Chemosphere*, **2006**, 62, 171-80	8.4	151
671	Health effects from Sahara dust episodes in Europe: literature review and research gaps. *Environment International*, **2012**, 47, 107-14	12.9	150
670	Chemical characterisation and source apportionment of PM2.5 and PM10 at rural, urban and traffic sites in Navarra (North of Spain). *Atmospheric Research*, **2011**, 102, 191-205	5.4	149
669	Heavy metal adsorption by different minerals: application to the remediation of polluted soils. *Science of the Total Environment*, **1999**, 242, 179-188	10.2	149
668	Levels of particulate matter in rural, urban and industrial sites in Spain. *Science of the Total Environment*, **2004**, 334-335, 359-76	10.2	145
667	The effects of particulate matter sources on daily mortality: a case-crossover study of Barcelona, Spain. *Environmental Health Perspectives*, **2011**, 119, 1781-7	8.4	143
666	Variability of levels and composition of PM₁₀ and PM_{2.5} in the Barcelona metro system. *Atmospheric Chemistry and Physics*, **2012**, 12, 5055-5076	6.8	138
665	Review of the efficacy of low emission zones to improve urban air quality in European cities. *Atmospheric Environment*, **2015**, 111, 161-169	5.3	136
664	Source apportionment analysis of atmospheric particulates in an industrialised urban site in southwestern Spain. *Atmospheric Environment*, **2002**, 36, 3113-3125	5.3	134

663	Fossil versus contemporary sources of fine elemental and organic carbonaceous particulate matter during the DAURE campaign in Northeast Spain. *Atmospheric Chemistry and Physics*, **2011**, 11, 12067-12084	6.8	133
662	Recreational atmospheric pollution episodes: Inhalable metalliferous particles from firework displays. *Atmospheric Environment*, **2007**, 41, 913-922	5.3	132
661	Chemical composition and minerals in pyrite ash of an abandoned sulphuric acid production plant. *Science of the Total Environment*, **2012**, 430, 34-47	10.2	128
660	Variations in vanadium, nickel and lanthanoid element concentrations in urban air. *Science of the Total Environment*, **2010**, 408, 4569-79	10.2	127
659	Adsorption of Cr(VI) from synthetic solutions and electroplating wastewaters on amorphous aluminium oxide. *Journal of Hazardous Materials*, **2007**, 142, 191-8	12.8	125
658	Polycyclic aromatic hydrocarbons and their derivatives (nitro-PAHs, oxygenated PAHs, and azaarenes) in PM from Southern European cities. *Science of the Total Environment*, **2017**, 595, 494-504	10.2	122
657	Sources of indoor and outdoor PM2.5 concentrations in primary schools. *Science of the Total Environment*, **2014**, 490, 757-65	10.2	119
656	Inter-comparison of receptor models for PM source apportionment: Case study in an industrial area. *Atmospheric Environment*, **2008**, 42, 3820-3832	5.3	119
655	Environmental impact of a coal combustion-desulphurisation plant: abatement capacity of desulphurisation process and environmental characterisation of combustion by-products. *Chemosphere*, **2006**, 65, 2009-17	8.4	119
654	Anthropogenic and natural influence on the PM(10) and PM(2.5) aerosol in Madrid (Spain). Analysis of high concentration episodes. *Environmental Pollution*, **2003**, 125, 453-65	9.3	119
653	Traffic and nucleation events as main sources of ultrafine particles in high-insolation developed world cities. *Atmospheric Chemistry and Physics*, **2015**, 15, 5929-5945	6.8	118
652	Hourly elemental concentrations in PM_{2.5} aerosols sampled simultaneously at urban background and road site during SAPUSS – diurnal variations and PMF receptor modelling. *Atmospheric Chemistry and Physics*, **2013**, 13, 4375-4392	6.8	118
651	Spatial and temporal variability in aerosol properties over the Mediterranean basin based on 6-year (2000–2006) MODIS data. *Journal of Geophysical Research*, **2008**, 113,		118
650	A study on the relationship between mass concentrations, chemistry and number size distribution of urban fine aerosols in Milan, Barcelona and London. *Atmospheric Chemistry and Physics*, **2007**, 7, 2217-2232	6.8	118
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648	The association between greenness and traffic-related air pollution at schools. *Science of the Total Environment*, **2015**, 523, 59-63	10.2	114
647	Biomass burning contributions to urban aerosols in a coastal Mediterranean city. *Science of the Total Environment*, **2012**, 427-428, 175-90	10.2	113
646	Size fractionate particulate matter, vehicle traffic, and case-specific daily mortality in Barcelona, Spain. *Environmental Science & Technology*, **2009**, 43, 4707-14	10.3	112

645	Origin of high summer PM10 and TSP concentrations at rural sites in Eastern Spain. *Atmospheric Environment*, **2002**, 36, 3101-3112	5.3	112
644	Contents of major and trace elements in feed coals from Turkish coal-fired power plants. *International Journal of Coal Geology*, **2000**, 44, 169-184	5.5	111
643	Interpretation of the variability of levels of regional background aerosols in the Western Mediterranean. *Science of the Total Environment*, **2008**, 407, 527-40	10.2	109
642	Variations in atmospheric PM trace metal content in Spanish towns: Illustrating the chemical complexity of the inorganic urban aerosol cocktail. *Atmospheric Environment*, **2006**, 40, 6791-6803	5.3	109
641	Origin of the exceedances of the European daily PM limit value in regional background areas of Spain. *Atmospheric Environment*, **2007**, 41, 730-744	5.3	108
640	Recovery of gallium and vanadium from gasification fly ash. *Journal of Hazardous Materials*, **2007**, 139, 413-23	12.8	107
639	Extraction of soluble major and trace elements from fly ash in open and closed leaching systems. *Fuel*, **2001**, 80, 801-813	7.1	107
638	Mineral composition of atmospheric particulates around a large coal-fired power station. *Atmospheric Environment*, **1996**, 30, 3557-3572	5.3	107
637	Saharan dust, particulate matter and cause-specific mortality: a case-crossover study in Barcelona (Spain). *Environment International*, **2012**, 48, 150-5	12.9	106
636	Phase□ineral and chemical composition of composite samples from feed coals, bottom ashes and fly ashes at the Soma power station, Turkey. *International Journal of Coal Geology*, **2005**, 61, 35-63	5.5	106
635	Urban air quality comparison for bus, tram, subway and pedestrian commutes in Barcelona. *Environmental Research*, **2015**, 142, 495-510	7.9	105
634	Subway platform air quality: Assessing the influences of tunnel ventilation, train piston effect and station design. *Atmospheric Environment*, **2014**, 92, 461-468	5.3	105
633	Assessment of personal exposure to particulate air pollution during commuting in European cities--recommendations and policy implications. *Science of the Total Environment*, **2014**, 490, 785-97	10.2	104
632	Influence of soil cover on reducing the environmental impact of spontaneous coal combustion in coal waste gobs: A review and new experimental data. *International Journal of Coal Geology*, **2011**, 85, 2-22	5.5	104
631	Seasonal evolution of suspended particles around a large coal-fired power station. *Atmospheric Environment*, **1998**, 32, 1963-1978	5.3	104
630	Comparative analysis of organic and elemental carbon concentrations in carbonaceous aerosols in three European cities. *Atmospheric Environment*, **2007**, 41, 5972-5983	5.3	104
629	An introductory TEM study of Fe-nanominerals within coal fly ash. *Science of the Total Environment*, **2009**, 407, 4972-4	10.2	103
628	Desert Dust Outbreaks in Southern Europe: Contribution to Daily PM□Concentrations and Short-Term Associations with Mortality and Hospital Admissions. *Environmental Health Perspectives*, **2016**, 124, 413-9	8.4	103

627	Comparison of the results obtained by four receptor modelling methods in aerosol source apportionment studies. *Atmospheric Environment*, **2009**, 43, 3989-3997	5.3	102
626	Trace element variation in size-fractionated African desert dusts. *Journal of Arid Environments*, **2008**, 72, 1034-1045	2.5	101
625	African dust outbreaks over the western Mediterranean Basin: 11-year characterization of atmospheric circulation patterns and dust source areas. *Atmospheric Chemistry and Physics*, **2014**, 14, 6759-6775	6.8	100
624	Exposure to airborne particulate matter in the subway system. *Science of the Total Environment*, **2015**, 511, 711-22	10.2	99
623	Factors controlling air quality in different European subway systems. *Environmental Research*, **2016**, 146, 35-46	7.9	99
622	Geochemistry and mineralogy of the Cretaceous Wulantuga high-germanium coal deposit in Shengli coal field, Inner Mongolia, Northeastern China. *International Journal of Coal Geology*, **2006**, 66, 119-136	5.5	99
621	Characterization of Candiota (South Brazil) coal and combustion by-product. *International Journal of Coal Geology*, **2004**, 60, 57-72	5.5	99
620	Waste stabilization/solidification of an electric arc furnace dust using fly ash-based geopolymers. *Fuel*, **2009**, 88, 1185-1193	7.1	96
619	Brazilian coal mining residues and sulphide oxidation by Fenton's reaction: an accelerated weathering procedure to evaluate possible environmental impact. *Journal of Hazardous Materials*, **2011**, 186, 516-25	12.8	96
618	PM2.5 chemical composition in five European Mediterranean cities: A 1-year study. *Atmospheric Research*, **2015**, 155, 102-117	5.4	95
617	Children's well-being at schools: Impact of climatic conditions and air pollution. *Environment International*, **2016**, 94, 196-210	12.9	95
616	2001-2012 trends on air quality in Spain. *Science of the Total Environment*, **2014**, 490, 957-69	10.2	95
615	Partitioning of trace inorganic elements in a coal-fired power plant equipped with a wet Flue Gas Desulphurisation system. *Fuel*, **2012**, 92, 145-157	7.1	95
614	Identification of PM sources by principal component analysis (PCA) coupled with wind direction data. *Chemosphere*, **2006**, 65, 2411-8	8.4	95
613	Leaching of potential hazardous elements of coal cleaning rejects. *Environmental Monitoring and Assessment*, **2011**, 175, 109-26	3.1	93
612	Organic and elemental carbon concentrations in carbonaceous aerosols during summer and winter sampling campaigns in Barcelona, Spain. *Atmospheric Environment*, **2006**, 40, 2180-2193	5.3	92
611	Synthesis of zeolites by alkaline activation of ferro-aluminous fly ash. *Fuel*, **1995**, 74, 1226-1231	7.1	92
610	Traffic pollution exposure is associated with altered brain connectivity in school children. *NeuroImage*, **2016**, 129, 175-184	7.9	91

609	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). *Atmospheric Chemistry and Physics*, **2012**, 12, 8341-8357	6.8	91
608	Determination of the contribution of northern Africa dust source areas to PM10 concentrations over the central Iberian Peninsula using the Hybrid Single-Particle Lagrangian Integrated Trajectory model (HYSPLIT) model. *Journal of Geophysical Research*, **2006**, 111,		91
607	Sources and processes affecting levels and composition of atmospheric aerosol in the western Mediterranean. *Journal of Geophysical Research*, **2002**, 107, AAC 12-1		91
606	Variations of urban aerosols in the western Mediterranean. *Atmospheric Environment*, **2008**, 42, 9052-9062	5.3	90
605	Traffic-Related Air Pollution, Noise at School, and Behavioral Problems in Barcelona Schoolchildren: A Cross-Sectional Study. *Environmental Health Perspectives*, **2016**, 124, 529-35	8.4	90
604	Urban NH3 levels and sources in a Mediterranean environment. *Atmospheric Environment*, **2012**, 57, 153-164	5.3	88
603	Environmental geochemistry of the feed coals and their combustion by-products from two coal-fired power plants in Xinjiang Province, Northwest China. *Fuel*, **2012**, 95, 446-456	7.1	88
602	Short-term effects of particulate matter on total mortality during Saharan dust outbreaks: a case-crossover analysis in Madrid (Spain). *Science of the Total Environment*, **2011**, 412-413, 386-9	10.2	86
601	Tracers and impact of open burning of rice straw residues on PM in Eastern Spain. *Atmospheric Environment*, **2008**, 42, 1941-1957	5.3	86
600	Daily and hourly sourcing of metallic and mineral dust in urban air contaminated by traffic and coal-burning emissions. *Atmospheric Environment*, **2013**, 68, 33-44	5.3	85
599	Copper aerosols inhibit phytoplankton growth in the Mediterranean Sea. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 21246-9	11.5	85
598	Seasonal evolution of suspended particles around a large coal-fired power station: Chemical characterization. *Atmospheric Environment*, **1998**, 32, 719-731	5.3	85
597	Arsenic speciation of atmospheric particulate matter (PM10) in an industrialised urban site in southwestern Spain. *Chemosphere*, **2007**, 66, 1485-93	8.4	85
596	Monitoring the impact of desert dust outbreaks for air quality for health studies. *Environment International*, **2019**, 130, 104867	12.9	84
595	Optical properties and chemical composition of aerosol particles at an urban location: An estimation of the aerosol mass scattering and absorption efficiencies. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		84
594	Size and time-resolved roadside enrichment of atmospheric particulate pollutants. *Atmospheric Chemistry and Physics*, **2011**, 11, 2917-2931	6.8	84
593	Mobility of heavy metals from coal fly ash. *Environmental Geology*, **1994**, 23, 264-270		84
592	Trends of road dust emissions contributions on ambient air particulate levels at rural, urban and industrial sites in southern Spain. *Atmospheric Chemistry and Physics*, **2014**, 14, 3533-3544	6.8	83

591	A comprehensive assessment of PM emissions from paved roads: real-world Emission Factors and intense street cleaning trials. *Science of the Total Environment*, **2010**, 408, 4309-18	10.2	83
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587	Short-term effects of particulate matter constituents on daily hospitalizations and mortality in five South-European cities: results from the MED-PARTICLES project. *Environment International*, **2015**, 75, 151-8	12.9	80
586	Variability of carbonaceous aerosols in remote, rural, urban and industrial environments in Spain: implications for air quality policy. *Atmospheric Chemistry and Physics*, **2013**, 13, 6185-6206	6.8	80
585	Quantifying the impact of residential heating on the urban air quality in a typical European coal combustion region. *Environmental Science & Technology*, **2009**, 43, 7964-70	10.3	80
584	Evaluation of the potential of volcanic rock waste from southern Brazil as a natural soil fertilizer. *Journal of Cleaner Production*, **2017**, 142, 2700-2706	10.3	78
583	Solid Particulate Matter in the Atmosphere. *Elements*, **2010**, 6, 215-222	3.8	78
582	Modulation of Saharan dust export by the North African dipole. *Atmospheric Chemistry and Physics*, **2015**, 15, 7471-7486	6.8	77
581	A new look at inhalable metalliferous airborne particles on rail subway platforms. *Science of the Total Environment*, **2015**, 505, 367-75	10.2	77
580	Fly ash from a Mexican mineral coal I: Mineralogical and chemical characterization. *Journal of Hazardous Materials*, **2010**, 181, 82-90	12.8	77
579	Lanthanoid geochemistry of urban atmospheric particulate matter. *Environmental Science & Technology*, **2008**, 42, 6502-7	10.3	77
578	The regime of intense desert dust episodes in the Mediterranean based on contemporary satellite observations and ground measurements. *Atmospheric Chemistry and Physics*, **2013**, 13, 12135-12154	6.8	76
577	Geochemistry of regional background aerosols in the Western Mediterranean. *Atmospheric Research*, **2009**, 94, 422-435	5.4	76
576	Discriminating the regional and urban contributions in the North-Western Mediterranean: PM levels and composition. *Atmospheric Environment*, **2010**, 44, 1587-1596	5.3	76
575	Events affecting levels and seasonal evolution of airborne particulate matter concentrations in the Western Mediterranean. *Environmental Science & Technology*, **2003**, 37, 216-22	10.3	76
574	Origin of inorganic and organic components of PM2.5 in subway stations of Barcelona, Spain. *Environmental Pollution*, **2016**, 208, 125-136	9.3	74

573	Partitioning of mineralogical and inorganic geochemical components of coals from Santa Catarina, Brazil, by industrial beneficiation processes. *International Journal of Coal Geology*, **2013**, 116-117, 75-92	5.5	74
572	Fate and abatement of mercury and other trace elements in a coal fluidised bed oxy combustion pilot plant. *Fuel*, **2012**, 95, 272-281	7.1	74
571	Evolution of pyrite mud weathering and mobility of heavy metals in the Guadiamar valley after the Aznalcóllar spill, south-west Spain. *Science of the Total Environment*, **1999**, 242, 41-55	10.2	74
570	Variability of aerosol optical properties in the Western Mediterranean Basin. *Atmospheric Chemistry and Physics*, **2011**, 11, 8189-8203	6.8	73
569	Ge extraction from gasification fly ash. *Fuel*, **2005**, 84, 1384-1392	7.1	73
568	Iron sulfide precipitation sequence in Albian coals from the Maestrazgo Basin, southeastern Iberian Range, northeastern Spain. *International Journal of Coal Geology*, **1989**, 11, 171-189	5.5	73
567	A paradigm shift to combat indoor respiratory infection. *Science*, **2021**, 372, 689-691	33.3	73
566	Variations in time and space of trace metal aerosol concentrations in urban areas and their surroundings. *Atmospheric Chemistry and Physics*, **2011**, 11, 9415-9430	6.8	72
565	The fate of trace elements in a large coal-fired power plant. *Environmental Geology*, **2001**, 40, 409-416		72
564	Ge distribution in the Wulantuga high-germanium coal deposit in the Shengli coalfield, Inner Mongolia, northeastern China. *International Journal of Coal Geology*, **2009**, 78, 16-26	5.5	71
563	Effect of exposure to polycyclic aromatic hydrocarbons on basal ganglia and attention-deficit hyperactivity disorder symptoms in primary school children. *Environment International*, **2017**, 105, 12-19	12.9	70
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