

Andres Alastuey

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432
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145
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515
ext. papers

29,638
ext. citations

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avg, IF

6.79
L-index

#	Paper	IF	Citations
432	Source apportionment of particulate matter in Europe: A review of methods and results. <i>Journal of Aerosol Science</i> , 2008 , 39, 827-849	4.3	674
431	Synthesis of zeolites from coal fly ash: an overview. <i>International Journal of Coal Geology</i> , 2002 , 50, 413-423	4.3	592
430	A European aerosol phenomenology B: Physical and chemical characteristics of particulate matter from 60 rural, urban, and kerbside sites across Europe. <i>Atmospheric Environment</i> , 2010 , 44, 1308-1320	5.3	563
429	PM10 and PM2.5 source apportionment in the Barcelona Metropolitan area, Catalonia, Spain. <i>Atmospheric Environment</i> , 2001 , 35, 6407-6419	5.3	495
428	Speciation and origin of PM10 and PM2.5 in selected European cities. <i>Atmospheric Environment</i> , 2004 , 38, 6547-6555	5.3	464
427	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	10.2	425
426	Saharan dust contributions to PM10 and TSP levels in Southern and Eastern Spain. <i>Atmospheric Environment</i> , 2001 , 35, 2433-2447	5.3	425
425	Quantifying road dust resuspension in urban environment by Multilinear Engine: A comparison with PMF2. <i>Atmospheric Environment</i> , 2009 , 43, 2770-2780	5.3	404
424	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	6.8	353
423	Spatial and chemical patterns of PM10 in road dust deposited in urban environment. <i>Atmospheric Environment</i> , 2009 , 43, 1650-1659	5.3	331
422	Source origin of trace elements in PM from regional background, urban and industrial sites of Spain. <i>Atmospheric Environment</i> , 2007 , 41, 7219-7231	5.3	330
421	African dust contributions to mean ambient PM10 mass-levels across the Mediterranean Basin. <i>Atmospheric Environment</i> , 2009 , 43, 4266-4277	5.3	318
420	Geochemical variations in aeolian mineral particles from the Sahara-Sahel Dust Corridor. <i>Chemosphere</i> , 2006 , 65, 261-70	8.4	294
419	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	11.6	293
418	Environmental, physical and structural characterisation of geopolymer matrixes synthesised from coal (co-)combustion fly ashes. <i>Journal of Hazardous Materials</i> , 2008 , 154, 175-83	12.8	287
417	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	6.8	280
416	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	6.8	269

415	Coarse particles from Saharan dust and daily mortality. <i>Epidemiology</i> , 2008 , 19, 800-7	3.1	269
414	Spatial and temporal variations in airborne particulate matter (PM10 and PM2.5) across Spain 1999-2005. <i>Atmospheric Environment</i> , 2008 , 42, 3964-3979	5.3	258
413	Sources and variability of inhalable road dust particles in three European cities. <i>Atmospheric Environment</i> , 2011 , 45, 6777-6787	5.3	234
412	Characterization and intercomparison of aerosol absorption photometers: result of two intercomparison workshops. <i>Atmospheric Measurement Techniques</i> , 2011 , 4, 245-268	4	226
411	Environmental characterization of burnt coal gangue banks at Yangquan, Shanxi Province, China. <i>International Journal of Coal Geology</i> , 2008 , 75, 93-104	5.5	212
410	Speciation and origin of PM10 and PM2.5 in Spain. <i>Journal of Aerosol Science</i> , 2004 , 35, 1151-1172	4.3	207
409	Partitioning of major and trace components in PM10, PM2.5, and PM1 at an urban site in Southern Europe. <i>Atmospheric Environment</i> , 2008 , 42, 1677-1691	5.3	205
408	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	5.5	200
407	A Fast Method for Recycling Fly Ash: Microwave-Assisted Zeolite Synthesis. <i>Environmental Science & Technology</i> , 1997 , 31, 2527-2533	10.3	195
406	Monitoring of PM10 and PM2.5 around primary particulate anthropogenic emission sources. <i>Atmospheric Environment</i> , 2001 , 35, 845-858	5.3	195
405	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
404	Child exposure to indoor and outdoor air pollutants in schools in Barcelona, Spain. <i>Environment International</i> , 2014 , 69, 200-12	12.9	190
403	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, 260-9	5.1	190
402	PM speciation and sources in Mexico during the MILAGRO-2006 Campaign. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 111-128	6.8	188
401	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	10.2	186
400	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	6.8	183
399	Wet and dry African dust episodes over eastern Spain. <i>Journal of Geophysical Research</i> , 2005 , 110,		181
398	Variability of Particle Number, Black Carbon, and PM10, PM2.5, and PM1 Levels and Speciation: Influence of Road Traffic Emissions on Urban Air Quality. <i>Aerosol Science and Technology</i> , 2010 , 44, 487-499	3.4	176

397	Chemical tracers of particulate emissions from commercial shipping. <i>Environmental Science & Technology</i> , 2009 , 43, 7472-7	10.3	176
396	Variability in regional background aerosols within the Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 4575-4591	6.8	173
395	Synthesis of zeolites from fly ash at pilot plant scale. Examples of potential applications. <i>Fuel</i> , 2001 , 80, 857-865	7.1	172
394	Synthesis of Na-zeolites from fly ash. <i>Fuel</i> , 1997 , 76, 793-799	7.1	166
393	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, 3070-84	10.2	164
392	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	5.3	161
391	Source apportionment of urban fine and ultra-fine particle number concentration in a Western Mediterranean city. <i>Atmospheric Environment</i> , 2009 , 43, 4407-4415	5.3	160
390	A methodology for the quantification of the net African dust load in air quality monitoring networks. <i>Atmospheric Environment</i> , 2007 , 41, 5516-5524	5.3	157
389	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	5.3	156
388	Identification and characterisation of sources of PM ₁₀ in Madrid (Spain) by statistical methods. <i>Atmospheric Environment</i> , 2004 , 38, 435-447	5.3	154
387	Immobilization of heavy metals in polluted soils by the addition of zeolitic material synthesized from coal fly ash. <i>Chemosphere</i> , 2006 , 62, 171-80	8.4	151
386	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	5.4	149
385	Heavy metal adsorption by different minerals: application to the remediation of polluted soils. <i>Science of the Total Environment</i> , 1999 , 242, 179-188	10.2	149
384	Levels of particulate matter in rural, urban and industrial sites in Spain. <i>Science of the Total Environment</i> , 2004 , 334-335, 359-76	10.2	145
383	The effects of particulate matter sources on daily mortality: a case-crossover study of Barcelona, Spain. <i>Environmental Health Perspectives</i> , 2011 , 119, 1781-7	8.4	143
382	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	6.8	138
381	Source apportionment analysis of atmospheric particulates in an industrialised urban site in southwestern Spain. <i>Atmospheric Environment</i> , 2002 , 36, 3113-3125	5.3	134
380	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	6.8	133

379	Recreational atmospheric pollution episodes: Inhalable metalliferous particles from firework displays. <i>Atmospheric Environment</i> , 2007 , 41, 913-922	5.3	132
378	Variations in vanadium, nickel and lanthanoid element concentrations in urban air. <i>Science of the Total Environment</i> , 2010 , 408, 4569-79	10.2	127
377	Sources of indoor and outdoor PM2.5 concentrations in primary schools. <i>Science of the Total Environment</i> , 2014 , 490, 757-65	10.2	119
376	Inter-comparison of receptor models for PM source apportionment: Case study in an industrial area. <i>Atmospheric Environment</i> , 2008 , 42, 3820-3832	5.3	119
375	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, 453-65	9.3	119
374	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	6.8	118
373	Biomass burning contributions to urban aerosols in a coastal Mediterranean city. <i>Science of the Total Environment</i> , 2012 , 427-428, 175-90	10.2	113
372	Size fractionate particulate matter, vehicle traffic, and case-specific daily mortality in Barcelona, Spain. <i>Environmental Science & Technology</i> , 2009 , 43, 4707-14	10.3	112
371	Origin of high summer PM10 and TSP concentrations at rural sites in Eastern Spain. <i>Atmospheric Environment</i> , 2002 , 36, 3101-3112	5.3	112
370	Interpretation of the variability of levels of regional background aerosols in the Western Mediterranean. <i>Science of the Total Environment</i> , 2008 , 407, 527-40	10.2	109
369	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	5.3	109
368	Extraction of soluble major and trace elements from fly ash in open and closed leaching systems. <i>Fuel</i> , 2001 , 80, 801-813	7.1	107
367	Mineral composition of atmospheric particulates around a large coal-fired power station. <i>Atmospheric Environment</i> , 1996 , 30, 3557-3572	5.3	107
366	Saharan dust, particulate matter and cause-specific mortality: a case-crossover study in Barcelona (Spain). <i>Environment International</i> , 2012 , 48, 150-5	12.9	106
365	Phase 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	5.5	106
364	Subway platform air quality: Assessing the influences of tunnel ventilation, train piston effect and station design. <i>Atmospheric Environment</i> , 2014 , 92, 461-468	5.3	105
363	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	5.5	104
362	Seasonal evolution of suspended particles around a large coal-fired power station. <i>Atmospheric Environment</i> , 1998 , 32, 1963-1978	5.3	104

361	Comparative analysis of organic and elemental carbon concentrations in carbonaceous aerosols in three European cities. <i>Atmospheric Environment</i> , 2007 , 41, 5972-5983	5.3	104
360	Comparison of the results obtained by four receptor modelling methods in aerosol source apportionment studies. <i>Atmospheric Environment</i> , 2009 , 43, 3989-3997	5.3	102
359	Trace element variation in size-fractionated African desert dusts. <i>Journal of Arid Environments</i> , 2008 , 72, 1034-1045	2.5	101
358	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	6.8	100
357	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	5.5	99
356	2001-2012 trends on air quality in Spain. <i>Science of the Total Environment</i> , 2014 , 490, 957-69	10.2	95
355	Identification of PM sources by principal component analysis (PCA) coupled with wind direction data. <i>Chemosphere</i> , 2006 , 65, 2411-8	8.4	95
354	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	5.3	94
353	ACTRIS ACSM intercomparison [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	4	92
352	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	5.3	92
351	Synthesis of zeolites by alkaline activation of ferro-aluminous fly ash. <i>Fuel</i> , 1995 , 74, 1226-1231	7.1	92
350	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	6.8	91
349	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 (HYSPPLIT) model. <i>Journal of Geophysical Research</i> , 2006 , 111,		91
348	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		91
347	Variations of urban aerosols in the western Mediterranean. <i>Atmospheric Environment</i> , 2008 , 42, 9052-9062	6.2	90
346	Urban NH ₃ levels and sources in a Mediterranean environment. <i>Atmospheric Environment</i> , 2012 , 57, 153-164	5.4	88
345	Tracers and impact of open burning of rice straw residues on PM in Eastern Spain. <i>Atmospheric Environment</i> , 2008 , 42, 1941-1957	5.3	86
344	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	5.3	85

343	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, 21246-9	11.5	85
342	Seasonal evolution of suspended particles around a large coal-fired power station: Chemical characterization. <i>Atmospheric Environment</i> , 1998 , 32, 719-731	5.3	85
341	Arsenic speciation of atmospheric particulate matter (PM10) in an industrialised urban site in southwestern Spain. <i>Chemosphere</i> , 2007 , 66, 1485-93	8.4	85
340	Monitoring the impact of desert dust outbreaks for air quality for health studies. <i>Environment International</i> , 2019 , 130, 104867	12.9	84
339	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, n/a-n/a		84
338	Size and time-resolved roadside enrichment of atmospheric particulate pollutants. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 2917-2931	6.8	84
337	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	6.8	83
336	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	10.2	83
335	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, 4309-18	10.2	83
334	Outdoor infiltration and indoor contribution of UFP and BC, OC, secondary inorganic ions and metals in PM2.5 in schools. <i>Atmospheric Environment</i> , 2015 , 106, 129-138	5.3	82
333	Variations of levels and composition of PM10 and PM2.5 at an insular site in the Western Mediterranean. <i>Atmospheric Research</i> , 2009 , 94, 285-299	5.4	81
332	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
331	ACTRIS ACSM intercomparison IPart 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	4	79
330	Modulation of Saharan dust export by the North African dipole. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 7471-7486	6.8	77
329	Lanthanoid geochemistry of urban atmospheric particulate matter. <i>Environmental Science & Technology</i> , 2008 , 42, 6502-7	10.3	77
328	Geochemistry of regional background aerosols in the Western Mediterranean. <i>Atmospheric Research</i> , 2009 , 94, 422-435	5.4	76
327	Discriminating the regional and urban contributions in the North-Western Mediterranean: PM levels and composition. <i>Atmospheric Environment</i> , 2010 , 44, 1587-1596	5.3	76
326	Events affecting levels and seasonal evolution of airborne particulate matter concentrations in the Western Mediterranean. <i>Environmental Science & Technology</i> , 2003 , 37, 216-22	10.3	76

325	Ice nucleating particles in the Saharan Air Layer. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 9067-9087	6.8	74
324	Evolution of pyrite mud weathering and mobility of heavy metals in the Guadiamar valley after the Aznalcollar spill, south-west Spain. <i>Science of the Total Environment</i> , 1999 , 242, 41-55	10.2	74
323	Variability of aerosol optical properties in the Western Mediterranean Basin. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 8189-8203	6.8	73
322	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	5.3	72
321	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	6.8	72
320	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	5.5	71
319	Influence of sea breeze circulation and road traffic emissions on the relationship between particle number, black carbon, PM ₁ , PM _{2.5} and PM _{2.5/10} concentrations in a coastal city. <i>Atmospheric Environment</i> , 2008 , 42, 6523-6534	5.3	70
318	Traffic induced particle resuspension in Paris: Emission factors and source contributions. <i>Atmospheric Environment</i> , 2016 , 129, 114-124	5.3	69
317	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	5.3	69
316	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	2.4	69
315	Identification of FCC refinery atmospheric pollution events using lanthanoid- and vanadium-bearing aerosols. <i>Atmospheric Environment</i> , 2008 , 42, 7851-7861	5.3	68
314	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	3.4	68
313	Intense winter atmospheric pollution episodes affecting the Western Mediterranean. <i>Science of the Total Environment</i> , 2010 , 408, 1951-9	10.2	67
312	Impact of harbour emissions on ambient PM ₁₀ and PM _{2.5} in Barcelona (Spain): Evidences of secondary aerosol formation within the urban area. <i>Science of the Total Environment</i> , 2016 , 571, 237-50	10.2	67
311	A multidisciplinary approach to characterise exposure risk and toxicological effects of PM ₁₀ and PM _{2.5} samples in urban environments. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 78, 327-35	7	66
310	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	10.2	65
309	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	5.5	64
308	On the spatial distribution and evolution of ultrafine particles in Barcelona. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 741-759	6.8	64

307	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, 111-23	10.2	64
306	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	5.5	64
305	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	5.3	63
304	Mineralogy and geochemistry of coal from the Liupanshui mining district, Guizhou, south China. <i>International Journal of Coal Geology</i> , 2000 , 45, 21-37	5.5	63
303	Determination of element affinities by density fractionation of bulk coal samples. <i>Fuel</i> , 2001 , 80, 83-96	7.1	62
302	Evidence of biomass burning aerosols in the Barcelona urban environment during winter time. <i>Atmospheric Environment</i> , 2013 , 72, 81-88	5.3	61
301	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, 945-9	12.8	60
300	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	5.5	60
299	Arsenic speciation study of PM2.5 in an urban area near a copper smelter. <i>Atmospheric Environment</i> , 2008 , 42, 6487-6495	5.3	60
298	Characterisation of local and external contributions of atmospheric particulate matter at a background coastal site. <i>Atmospheric Environment</i> , 2007 , 41, 1-17	5.3	60
297	Monitoring of atmospheric particulate matter around sources of secondary inorganic aerosol. <i>Atmospheric Environment</i> , 2004 , 38, 4979-4992	5.3	60
296	Urban aerosol size distributions over the Mediterranean city of Barcelona, NE Spain. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 10693-10707	6.8	58
295	Source apportionment of ambient PM2.5 at five spanish centres of the european community respiratory health survey (ECRHS II). <i>Atmospheric Environment</i> , 2007 , 41, 1395-1406	5.3	57
294	Spatiotemporally resolved black carbon concentration, schoolchildren exposure and dose in Barcelona. <i>Indoor Air</i> , 2016 , 26, 391-402	5.4	56
293	African dust contribution to ambient aerosol levels across central Spain: Characterization of long-range transport episodes of desert dust. <i>Atmospheric Research</i> , 2013 , 127, 117-129	5.4	56
292	On the quantification of atmospheric carbonate carbon by thermal/optical analysis protocols. <i>Atmospheric Measurement Techniques</i> , 2011 , 4, 2409-2419	4	55
291	Determination of drugs of abuse in airborne particles by pressurized liquid extraction and liquid chromatography-electrospray-tandem mass spectrometry. <i>Analytical Chemistry</i> , 2009 , 81, 4382-8	7.8	55
290	Characterising exposure to PM aerosols for an epidemiological study. <i>Atmospheric Environment</i> , 2008 , 42, 1552-1568	5.3	55

289	Spatial and temporal variability of PM levels and composition in a complex summer atmospheric scenario in Barcelona (NE Spain). <i>Atmospheric Environment</i> , 2005 , 39, 5343-5361	5.3	55
288	Natural sources of atmospheric aerosols influencing air quality across Europe. <i>Science of the Total Environment</i> , 2014 , 472, 825-33	10.2	54
287	Long-term real-time chemical characterization of submicron aerosols at Montsec (southern Pyrenees, 1570 m a.s.l.). <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2935-2951	6.8	54
286	Geochemistry and origin of PM10 in the Huelva region, Southwestern Spain. <i>Environmental Research</i> , 2007 , 103, 305-16	7.9	54
285	Assessment of airborne particulate levels in Spain in relation to the new EU-directive. <i>Atmospheric Environment</i> , 2001 , 35, 43-53	5.3	54
284	Thermal-optical analysis for the measurement of elemental carbon (EC) and organic carbon (OC) in ambient air a literature review		54
283	Source apportionment of particle number size distribution in urban background and traffic stations in four European cities. <i>Environment International</i> , 2020 , 135, 105345	12.9	54
282	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	10.2	53
281	Speciation and sources of atmospheric aerosols in a highly industrialised emerging mega-city in central China. <i>Journal of Environmental Monitoring</i> , 2006 , 8, 1049-59		53
280	Indoor/outdoor relationships and mass closure of quasi-ultrafine, accumulation and coarse particles in Barcelona schools. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 4459-4472	6.8	52
279	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, 875-83	10.2	52
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52	Urban aerosol size distributions over the Mediterranean city of Barcelona, NE Spain		3
51	On the spatial distribution and evolution of ultrafine aerosols in urban air		3
50	Modulation of Saharan dust export by the North African dipole		3
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35	Climatology of aerosol optical properties and black carbon mass absorption cross section at a remote high altitude site in the Western Mediterranean Basin		2
34	A study on the relationship between mass concentrations, chemistry and number size distribution of urban fine aerosols in Milan, Barcelona and London		2
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- 1 Public Transport Strikes and Their Relationships With Air Pollution, Mortality, and Hospital Admissions. *American Journal of Epidemiology*, **2020**, 189, 116-119

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