

# Andres Alastuey

## List of Publications by Year in descending order

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Version: 2024-02-01

393  
papers

33,115  
citations

2675

95  
h-index

6836

155  
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515  
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515  
docs citations

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times ranked

19154  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wet-only sequential deposition in a rural area in north-eastern Spain. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 53, 40.	1.6	10
2	Variability of sub-micrometer particle number size distributions and concentrations in the Western Mediterranean regional background. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 65, 19243.	1.6	23
3	How can ventilation be improved on public transportation buses? Insights from CO2 measurements. <i>Environmental Research</i> , 2022, 205, 112451.	7.5	17
4	Organic and Elemental Carbon in the Urban Background in an Eastern Mediterranean City. <i>Atmosphere</i> , 2022, 13, 197.	2.3	8
5	Primary and secondary organic winter aerosols in Mediterranean cities under different mixing layer conditions (Barcelona and Granada). <i>Environmental Science and Pollution Research</i> , 2022, 29, 36255-36272.	5.3	10
6	European aerosol phenomenology $\alpha^{\sim}$ 8: Harmonised source apportionment of organic aerosol using 22 Year-long ACSM/AMS datasets. <i>Environment International</i> , 2022, 166, 107325.	10.0	41
7	2011-2020 trends of urban and regional ammonia in and around Barcelona, NE Spain. <i>Chemosphere</i> , 2022, 304, 135347.	8.2	8
8	Absorption enhancement of black carbon particles in a Mediterranean city and countryside: effect of particulate matter chemistry, ageing and trend analysis. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8439-8456.	4.9	10
9	Trends in primary and secondary particle number concentrations in urban and regional environments in NE Spain. <i>Atmospheric Environment</i> , 2021, 244, 117982.	4.1	5
10	Source contribution and origin of PM10 and arsenic in a complex industrial region (Huelva, SW Spain). <i>Environmental Pollution</i> , 2021, 274, 116268.	7.5	11
11	Applicability of benchtop multi-wavelength polar photometers to off-line measurements of the Multi-Angle Absorption Photometer (MAAP) samples. <i>Journal of Aerosol Science</i> , 2021, 152, 105701.	3.8	5
12	Aircraft vertical profiles during summertime regional and Saharan dust scenarios over the north-western Mediterranean basin: aerosol optical and physical properties. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 431-455.	4.9	7
13	Tracing surface and airborne SARS-CoV-2 RNA inside public buses and subway trains. <i>Environment International</i> , 2021, 147, 106326.	10.0	119
14	Anthropogenic Perturbations to the Atmospheric Molybdenum Cycle. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006787.	4.9	12
15	The effect of meteorological conditions and atmospheric composition in the occurrence and development of new particle formation (NPF) events in Europe. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3345-3370.	4.9	21
16	The case of a southern European glacier which survived Roman and medieval warm periods but is disappearing under recent warming. <i>Cryosphere</i> , 2021, 15, 1157-1172.	3.9	11
17	A European aerosol phenomenology - 7: High-time resolution chemical characteristics of submicron particulate matter across Europe. <i>Atmospheric Environment: X</i> , 2021, 10, 100108.	1.4	23
18	Increase in secondary organic aerosol in an urban environment. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8323-8339.	4.9	25

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19	Quantifying traffic, biomass burning and secondary source contributions to atmospheric particle number concentrations at urban and suburban sites. <i>Science of the Total Environment</i> , 2021, 768, 145282.	8.0	26
20	2005–2018 trends in ozone peak concentrations and spatial contributions in the Guadalquivir Valley, southern Spain. <i>Atmospheric Environment</i> , 2021, 254, 118385.	4.1	13
21	Overview of the SLOPE I and II campaigns: aerosol properties retrieved with lidar and sun–sky photometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 9269-9287.	4.9	12
22	Lessons from the COVID-19 air pollution decrease in Spain: Now what?. <i>Science of the Total Environment</i> , 2021, 779, 146380.	8.0	80
23	Understanding the local and remote source contributions to ambient O <sub>3</sub> during a pollution episode using a combination of experimental approaches in the Guadalquivir valley, southern Spain. <i>Science of the Total Environment</i> , 2021, 777, 144579.	8.0	6
24	Short-term health effects from outdoor exposure to biomass burning emissions: A review. <i>Science of the Total Environment</i> , 2021, 781, 146739.	8.0	64
25	A phenomenology of new particle formation (NPF) at 13 European sites. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11905-11925.	4.9	13
26	Determination of the multiple-scattering correction factor and its cross-sensitivity to scattering and wavelength dependence for different AE33 Aethalometer filter tapes: a multi-instrumental approach. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 6335-6355.	3.1	31
27	Associations between sources of particle number and mortality in four European cities. <i>Environment International</i> , 2021, 155, 106662.	10.0	16
28	Compositional changes of PM <sub>2.5</sub> in NE Spain during 2009–2018: A trend analysis of the chemical composition and source apportionment. <i>Science of the Total Environment</i> , 2021, 795, 148728.	8.0	18
29	Short-term effect of air pollution on attention function in adolescents (ATENCIÓN): A randomized controlled trial in high schools in Barcelona, Spain. <i>Environment International</i> , 2021, 156, 106614.	10.0	4
30	Seasonality of the particle number concentration and size distribution: a global analysis retrieved from the network of Global Atmosphere Watch (GAW) near-surface observatories. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17185-17223.	4.9	31
31	Switzerland's PM <sub>10</sub> and PM <sub>2.5</sub> environmental increments show the importance of non-exhaust emissions. <i>Atmospheric Environment: X</i> , 2021, 12, 100145.	1.4	3
32	Public Transport Strikes and Their Relationships With Air Pollution, Mortality, and Hospital Admissions. <i>American Journal of Epidemiology</i> , 2020, 189, 116-119.	3.4	1
33	Source apportionment of particle number size distribution in urban background and traffic stations in four European cities. <i>Environment International</i> , 2020, 135, 105345.	10.0	106
34	Evaluation of the Semi-Continuous OCEC analyzer performance with the EUSAAR2 protocol. <i>Science of the Total Environment</i> , 2020, 747, 141266.	8.0	22
35	Chemistry of dry and wet atmospheric deposition over the Balearic Islands, NW Mediterranean: Source apportionment and African dust areas. <i>Science of the Total Environment</i> , 2020, 747, 141187.	8.0	21
36	Long-range and local air pollution: what can we learn from chemical speciation of particulate matter at paired sites?. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 409-429.	4.9	24

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37	Variability of air pollutants, and PM composition and sources at a regional background site in the Balearic Islands: Review of western Mediterranean phenomenology from a 3-year study. <i>Science of the Total Environment</i> , 2020, 717, 137177.	8.0	14
38	Characterization of organic aerosol at a rural site influenced by olive waste biomass burning. <i>Chemosphere</i> , 2020, 248, 125896.	8.2	12
39	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.	8.0	610
40	Particulate Matter Concentrations in a Middle Eastern City – An Insight to Sand and Dust Storm Episodes. <i>Aerosol and Air Quality Research</i> , 2020, 20, 2780-2792.	2.1	8
41	Molecular insights into new particle formation in Barcelona, Spain. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 10029-10045.	4.9	27
42	Multidecadal trend analysis of in situ aerosol radiative properties around the world. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8867-8908.	4.9	58
43	A global analysis of climate-relevant aerosol properties retrieved from the network of Global Atmosphere Watch (GAW) near-surface observatories. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 4353-4392.	3.1	65
44	2005–2017 ozone trends and potential benefits of local measures as deduced from air quality measurements in the north of the Barcelona metropolitan area. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7445-7465.	4.9	21
45	Relating high ozone, ultrafine particles, and new particle formation episodes using cluster analysis. <i>Atmospheric Environment: X</i> , 2019, 4, 100051.	1.4	9
46	Source apportionment of urban PM1 in Barcelona during SAPUSS using organic and inorganic components. <i>Environmental Science and Pollution Research</i> , 2019, 26, 32114-32127.	5.3	15
47	African dust and air quality over Spain: Is it only dust that matters?. <i>Science of the Total Environment</i> , 2019, 686, 737-752.	8.0	65
48	Monitoring the impact of desert dust outbreaks for air quality for health studies. <i>Environment International</i> , 2019, 130, 104867.	10.0	134
49	Retrieval of aerosol properties from ceilometer and photometer measurements: long-term evaluation with in situ data and statistical analysis at Montsec (southern Pyrenees). <i>Atmospheric Measurement Techniques</i> , 2019, 12, 3255-3267.	3.1	25
50	Vertical and horizontal fall-off of black carbon and NO2 within urban blocks. <i>Science of the Total Environment</i> , 2019, 686, 236-245.	8.0	18
51	The second ACTRIS inter-comparison (2016) for Aerosol Chemical Speciation Monitors (ACSM): Calibration protocols and instrument performance evaluations. <i>Aerosol Science and Technology</i> , 2019, 53, 830-842.	3.1	35
52	Analysis of summer O <sub>3</sub> in the Madrid air basin with the LOTOS-EUROS chemical transport model. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 14211-14232.	4.9	21
53	Overview of the NOAA/ESRL Federated Aerosol Network. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 123-135.	3.3	36
54	Effectiveness of commercial face masks to reduce personal PM exposure. <i>Science of the Total Environment</i> , 2019, 650, 1582-1590.	8.0	59

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55	Short-term effects of ultrafine particles on daily mortality by primary vehicle exhaust versus secondary origin in three Spanish cities. <i>Environment International</i> , 2018, 111, 144-151.	10.0	55
56	Short-term exposure to traffic-related air pollution and ischemic stroke onset in Barcelona, Spain. <i>Environmental Research</i> , 2018, 162, 160-165.	7.5	48
57	Impact of aerosol particle sources on optical properties in urban, regional and remote areas in the north-western Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1149-1169.	4.9	31
58	Air quality trends in an industrialised area of SW Spain. <i>Journal of Cleaner Production</i> , 2018, 186, 465-474.	9.3	19
59	2005–2014 trends of PM10 source contributions in an industrialized area of southern Spain. <i>Environmental Pollution</i> , 2018, 236, 570-579.	7.5	35
60	Particle-related exposure, dose and lung cancer risk of primary school children in two European countries. <i>Science of the Total Environment</i> , 2018, 616-617, 720-729.	8.0	47
61	Effect of public transport strikes on air pollution levels in Barcelona (Spain). <i>Science of the Total Environment</i> , 2018, 610-611, 1076-1082.	8.0	52
62	European aerosol phenomenology – 6: scattering properties of atmospheric aerosol particles from 28 ACTRIS sites. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7877-7911.	4.9	76
63	Vertical and horizontal distribution of regional new particle formation events in Madrid. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 16601-16618.	4.9	30
64	Nanoparticle formation and emission during laser ablation of ceramic tiles. <i>Journal of Aerosol Science</i> , 2018, 126, 152-168.	3.8	15
65	Spatio-temporal patterns of high summer ozone events in the Madrid Basin, Central Spain. <i>Atmospheric Environment</i> , 2018, 185, 207-220.	4.1	17
66	Phenomenology of summer ozone episodes over the Madrid Metropolitan Area, central Spain. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6511-6533.	4.9	42
67	Temporal and spatial variability of atmospheric particle number size distributions across Spain. <i>Atmospheric Environment</i> , 2018, 190, 146-160.	4.1	20
68	Identification of technical problems affecting performance of DustTrak DRX aerosol monitors. <i>Science of the Total Environment</i> , 2017, 584-585, 849-855.	8.0	50
69	Spatiotemporal evolution of a severe winter dust event in the western Mediterranean: Aerosol optical and physical properties. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4052-4069.	3.3	38
70	Outdoor and indoor particle characterization from a large and uncontrolled combustion of a tire landfill. <i>Science of the Total Environment</i> , 2017, 593-594, 543-551.	8.0	25
71	Characterization of atmospheric black carbon and co-pollutants in urban and rural areas of Spain. <i>Atmospheric Environment</i> , 2017, 169, 36-53.	4.1	65
72	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.	8.0	117

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73	Impact of North America on the aerosol composition in the North Atlantic free troposphere. Atmospheric Chemistry and Physics, 2017, 17, 7387-7404.	4.9	23
74	Near-real-time processing of a ceilometer network assisted with sun-photometer data: monitoring a dust outbreak over the Iberian Peninsula. Atmospheric Chemistry and Physics, 2017, 17, 11861-11876.	4.9	57
75	Phenomenology of high-ozone episodes in NE Spain. Atmospheric Chemistry and Physics, 2017, 17, 2817-2838.	4.9	45
76	AIRUSE-LIFE+: estimation of natural source contributions to urban ambient air PM <sub>10</sub> and PM <sub>2.5</sub> concentrations in southern Europe – implications to compliance with limit values. Atmospheric Chemistry and Physics, 2017, 17, 3673-3685.	4.9	67
77	Speciation of organic aerosols in the Saharan Air Layer and in the free troposphere westerlies. Atmospheric Chemistry and Physics, 2017, 17, 8939-8958.	4.9	20
78	Quantifying Dry and Wet Deposition Fluxes in Two Regions of Contrasting African Influence: The NE Iberian Peninsula and the Canary Islands. Atmosphere, 2017, 8, 86.	2.3	22
79	Secondary organic aerosol origin in an urban environment: influence of biogenic and fuel combustion precursors. Faraday Discussions, 2016, 189, 337-359.	3.2	40
80	Intercomparison of a portable and two stationary mobility particle sizers for nanoscale aerosol measurements. Aerosol Science and Technology, 2016, 50, 653-668.	3.1	29
81	Soluble iron dust export in the high altitude Saharan Air Layer. Atmospheric Environment, 2016, 133, 49-59.	4.1	24
82	A European aerosol phenomenology-5: Climatology of black carbon optical properties at 9 regional background sites across Europe. Atmospheric Environment, 2016, 145, 346-364.	4.1	132
83	A European aerosol phenomenology -4: Harmonized concentrations of carbonaceous aerosol at 10 regional background sites across Europe. Atmospheric Environment, 2016, 144, 133-145.	4.1	50
84	Impact of harbour emissions on ambient PM <sub>10</sub> and PM <sub>2.5</sub> in Barcelona (Spain): Evidences of secondary aerosol formation within the urban area. Science of the Total Environment, 2016, 571, 237-250.	8.0	90
85	On the origin of the highest ozone episodes in Spain. Science of the Total Environment, 2016, 572, 379-389.	8.0	49
86	Vertical and horizontal variability of PM <sub>10</sub> source contributions in Barcelona during SAPUSS. Atmospheric Chemistry and Physics, 2016, 16, 6785-6804.	4.9	10
87	Ice nucleating particles in the Saharan Air Layer. Atmospheric Chemistry and Physics, 2016, 16, 9067-9087.	4.9	93
88	Trends analysis of PM source contributions and chemical tracers in NE Spain during 2004–2014: a multi-exponential approach. Atmospheric Chemistry and Physics, 2016, 16, 11787-11805.	4.9	48
89	Detection of Saharan dust and biomass burning events using near-real-time intensive aerosol optical properties in the north-western Mediterranean. Atmospheric Chemistry and Physics, 2016, 16, 12567-12586.	4.9	54
90	AIRUSE-LIFE+: a harmonized PM speciation and source apportionment in five southern European cities. Atmospheric Chemistry and Physics, 2016, 16, 3289-3309.	4.9	267

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91	Geochemistry of PM <sub>10</sub> over Europe during the EMEP intensive measurement periods in summer 2012 and winter 2013. Atmospheric Chemistry and Physics, 2016, 16, 6107-6129.	4.9	54
92	Atmospheric pollutants in peri-urban forests of Quercus ilex: evidence of pollution abatement and threats for vegetation. Environmental Science and Pollution Research, 2016, 23, 6400-6413.	5.3	35
93	An inter-comparison of PM <sub>10</sub> source apportionment using PCA and PMF receptor models in three European sites. Environmental Science and Pollution Research, 2016, 23, 15133-15148.	5.3	65
94	Traffic induced particle resuspension in Paris: Emission factors and source contributions. Atmospheric Environment, 2016, 129, 114-124.	4.1	96
95	Variability in exposure to ambient ultrafine particles in urban schools: Comparative assessment between Australia and Spain. Environment International, 2016, 88, 142-149.	10.0	36
96	Assessment of the variability of atmospheric pollution in National Parks of mainland Spain. Atmospheric Environment, 2016, 132, 332-344.	4.1	17
97	Spatiotemporally resolved black carbon concentration, schoolchildren's exposure and dose in Barcelona. Indoor Air, 2016, 26, 391-402.	4.3	69
98	Case Studies of Source Apportionment and Suggested Measures at Southern European Cities. Issues in Environmental Science and Technology, 2016, , 168-263.	0.4	4
99	Black Carbon Exposure of Schoolchildren in Barcelona. Springer Proceedings in Complexity, 2016, , 173-175.	0.3	0
100	Chapter 10 New Considerations for PM, Black Carbon, and Particle Number Concentration for Air Quality Monitoring Across Different European Cities. , 2016, , 177-218.		0
101	Atmospheric Particle Size Distributions in the Spanish Network of Environmental DMAs (REDMAAS). IOP Conference Series: Earth and Environmental Science, 2015, 28, 012001.	0.3	1
102	Joint analysis of continental and regional background environments in the western Mediterranean: PM <sub>1</sub> and PM <sub>10</sub> concentrations and composition. Atmospheric Chemistry and Physics, 2015, 15, 1129-1145.	4.9	36
103	Chemical characterization of submicron regional background aerosols in the western Mediterranean using an Aerosol Chemical Speciation Monitor. Atmospheric Chemistry and Physics, 2015, 15, 6379-6391.	4.9	69
104	Modulation of Saharan dust export by the North African dipole. Atmospheric Chemistry and Physics, 2015, 15, 7471-7486.	4.9	99
105	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. Atmospheric Measurement Techniques, 2015, 8, 5063-5087.	3.1	104
106	ACTRIS ACSM intercomparison – Part 2: Intercomparison of ME-2 organic source apportionment results from 15 individual, co-located aerosol mass spectrometers. Atmospheric Measurement Techniques, 2015, 8, 2555-2576.	3.1	118
107	Road traffic and sandy playground influence on ambient pollutants in schools. Atmospheric Environment, 2015, 111, 94-102.	4.1	9
108	Long-term real-time chemical characterization of submicron aerosols at Montsec (southern Pyrenees). Tj ETQq0 0 0,rgBT /Overlock 10 T	4.9	80

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109	Field comparison of portable and stationary instruments for outdoor urban air exposure assessments. <i>Atmospheric Environment</i> , 2015, 123, 220-228.	4.1	62
110	Urban NH <sub>3</sub> levels and sources in six major Spanish cities. <i>Chemosphere</i> , 2015, 119, 769-777.	8.2	53
111	Outdoor infiltration and indoor contribution of UFP and BC, OC, secondary inorganic ions and metals in PM <sub>2.5</sub> in schools. <i>Atmospheric Environment</i> , 2015, 106, 129-138.	4.1	100
112	Determinants of aerosol lung-deposited surface area variation in an urban environment. <i>Science of the Total Environment</i> , 2015, 517, 38-47.	8.0	44
113	Comprehensive monitoring of the occurrence of 22 drugs of abuse and transformation products in airborne particulate matter in the city of Barcelona. <i>Science of the Total Environment</i> , 2015, 532, 344-352.	8.0	19
114	Intercomparisons of Mobility Size Spectrometers and Condensation Particle Counters in the Frame of the Spanish Atmospheric Observational Aerosol Network. <i>Aerosol Science and Technology</i> , 2015, 49, 777-785.	3.1	21
115	New particle formation at ground level and in the vertical column over the Barcelona area. <i>Atmospheric Research</i> , 2015, 164-165, 118-130.	4.1	37
116	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.	8.4	399
117	Partitioning of trace elements and metals between quasi-ultrafine, accumulation and coarse aerosols in indoor and outdoor air in schools. <i>Atmospheric Environment</i> , 2015, 106, 392-401.	4.1	34
118	Industrial sources of primary and secondary organic aerosols in two urban environments in Spain. <i>Environmental Science and Pollution Research</i> , 2015, 22, 10413-10424.	5.3	19
119	Multicriteria approach to interpret the variability of the levels of particulate matter and gaseous pollutants in the Madrid metropolitan area, during the 1999-2012 period. <i>Atmospheric Environment</i> , 2015, 109, 205-216.	4.1	26
120	Real-time indoor and outdoor measurements of black carbon at primary schools. <i>Atmospheric Environment</i> , 2015, 120, 417-426.	4.1	26
121	Arsenic species in atmospheric particulate matter as tracer of the air quality of Doñana Natural Park (SW Spain). <i>Chemosphere</i> , 2015, 119, 1296-1303.	8.2	30
122	Outdoor and indoor UFP in primary schools across Barcelona. <i>Science of the Total Environment</i> , 2014, 493, 943-953.	8.0	53
123	Variations in school playground and classroom atmospheric particulate chemistry. <i>Atmospheric Environment</i> , 2014, 91, 162-171.	4.1	28
124	Atmospheric PM and volatile organic compounds released from Mediterranean shrubland wildfires. <i>Atmospheric Environment</i> , 2014, 89, 85-92.	4.1	39
125	Natural sources of atmospheric aerosols influencing air quality across Europe. <i>Science of the Total Environment</i> , 2014, 472, 825-833.	8.0	68
126	Effects of Road Dust Suppressants on PM Levels in a Mediterranean Urban Area. <i>Environmental Science &amp; Technology</i> , 2014, 48, 8069-8077.	10.0	44



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127	Effect of atmospheric mixing layer depth variations on urban air quality and daily mortality during Saharan dust outbreaks. <i>Science of the Total Environment</i> , 2014, 494-495, 283-289.	8.0	61
128	New Directions: The future of European urban air quality monitoring. <i>Atmospheric Environment</i> , 2014, 87, 258-260.	4.1	19
129	Size distribution and chemical composition of particulate matter stack emissions in and around a copper smelter. <i>Atmospheric Environment</i> , 2014, 98, 271-282.	4.1	33
130	Partitioning of magnetic particles in PM10, PM2.5 and PM1 aerosols in the urban atmosphere of Barcelona (Spain). <i>Environmental Pollution</i> , 2014, 188, 109-117.	7.5	38
131	Identification of fine (PM1) and coarse (PM10-1) sources of particulate matter in an urban environment. <i>Atmospheric Environment</i> , 2014, 89, 593-602.	4.1	100
132	Sources of indoor and outdoor PM2.5 concentrations in primary schools. <i>Science of the Total Environment</i> , 2014, 490, 757-765.	8.0	153
133	Subway platform air quality: Assessing the influences of tunnel ventilation, train piston effect and station design. <i>Atmospheric Environment</i> , 2014, 92, 461-468.	4.1	141
134	2001-2012 trends on air quality in Spain. <i>Science of the Total Environment</i> , 2014, 490, 957-969.	8.0	123
135	Particulate matter and gaseous pollutants in the Mediterranean Basin: Results from the MED-PARTICLES project. <i>Science of the Total Environment</i> , 2014, 488-489, 297-315.	8.0	32
136	Child exposure to indoor and outdoor air pollutants in schools in Barcelona, Spain. <i>Environment International</i> , 2014, 69, 200-212.	10.0	243
137	Effects of sources and meteorology on particulate matter in the Western Mediterranean Basin: An overview of the DAURE campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 4978-5010.	3.3	49
138	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.	4.9	59
139	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.	4.9	115
140	Climatology of aerosol optical properties and black carbon mass absorption cross section at a remote high-altitude site in the western Mediterranean Basin. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 6443-6460.	4.9	42
141	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.	4.9	132
142	Three years of aerosol mass, black carbon and particle number concentrations at Montsec (southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.9	40
143	Origin of PM10 Pollution Episodes in an Industrialized Mega-City in Central China. <i>Aerosol and Air Quality Research</i> , 2014, 14, 338-346.	2.1	7
144	Road Dust Emission Sources and Assessment of Street Washing Effect. <i>Aerosol and Air Quality Research</i> , 2014, 14, 734-743.	2.1	33

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145	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.	4.1	104
146	Mechanisms of Climate Variability, Air Quality and Impacts of Atmospheric Constituents in the Mediterranean Region. <i>Advances in Global Change Research</i> , 2013, , 119-156.	1.6	3
147	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.	4.1	65
148	Neural network model for the prediction of PM <sub>10</sub> daily concentrations in two sites in the Western Mediterranean. <i>Science of the Total Environment</i> , 2013, 463-464, 875-883.	8.0	73
149	PM <sub>10</sub> and PM <sub>2.5</sub> sources at an insular location in the western Mediterranean by using source apportionment techniques. <i>Science of the Total Environment</i> , 2013, 456-457, 267-277.	8.0	44
150	Case studies of new particle formation and evaporation processes in the western Mediterranean regional background. <i>Atmospheric Environment</i> , 2013, 81, 651-659.	4.1	24
151	Carbon emissions in Mediterranean shrubland wildfires: An experimental approach. <i>Atmospheric Environment</i> , 2013, 69, 86-93.	4.1	24
152	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.	8.0	69
153	An evaluation of mass, number concentration, chemical composition and types of particles in a cafeteria before and after the passage of an antismoking law. <i>Particuology</i> , 2013, 11, 527-532.	3.6	10
154	Evidence of biomass burning aerosols in the Barcelona urban environment during winter time. <i>Atmospheric Environment</i> , 2013, 72, 81-88.	4.1	76
155	Impact of traffic intensity and pavement aggregate size on road dust particles loading. <i>Atmospheric Environment</i> , 2013, 77, 711-717.	4.1	41
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