

Andres Alastuey

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

432
papers

26,738
citations

87
h-index

145
g-index

515
ext. papers

29,638
ext. citations

6.5
avg, IF

6.79
L-index

#	Paper	IF	Citations
432	Organic and Elemental Carbon in the Urban Background in an Eastern Mediterranean City. <i>Atmosphere</i> , 2022 , 13, 197	2.7	2
431	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 , 1	5.1	0
430	European Aerosol Phenomenology - 8: Harmonised Source Apportionment of Organic Aerosol using 22 Year-long ACSM/AMS Datasets. <i>Environment International</i> , 2022 , 107325	12.9	1
429	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	6.8	7
428	How can ventilation be improved on public transportation buses? Insights from CO measurements. <i>Environmental Research</i> , 2021 , 112451	7.9	5
427	Switzerland PM10 and PM2.5 environmental increments show the importance of non-exhaust emissions. <i>Atmospheric Environment: X</i> , 2021 , 12, 100145	2.8	2
426	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	5.5	4
425	A European aerosol phenomenology - 7: High-time resolution chemical characteristics of submicron particulate matter across Europe. <i>Atmospheric Environment: X</i> , 2021 , 10, 100108	2.8	8
424	Increase in secondary organic aerosol in an urban environment. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 8323-8339	6.8	5
423	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	10.2	8
422	2005-2018 trends in ozone peak concentrations and spatial contributions in the Guadalquivir Valley, southern Spain. <i>Atmospheric Environment</i> , 2021 , 254, 118385	5.3	5
421	Overview of the SLOPE I and II campaigns: aerosol properties retrieved with lidar and sunsky photometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 9269-9287	6.8	1
420	Lessons from the COVID-19 air pollution decrease in Spain: Now what?. <i>Science of the Total Environment</i> , 2021 , 779, 146380	10.2	29
419	Trends in primary and secondary particle number concentrations in urban and regional environments in NE Spain. <i>Atmospheric Environment</i> , 2021 , 244, 117982	5.3	2
418	Source contribution and origin of PM10 and arsenic in a complex industrial region (Huelva, SW Spain). <i>Environmental Pollution</i> , 2021 , 274, 116268	9.3	4
417	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	4.3	3
416	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	6.8	6

415	Tracing surface and airborne SARS-CoV-2 RNA inside public buses and subway trains. <i>Environment International</i> , 2021 , 147, 106326	12.9	52
414	Anthropogenic Perturbations to the Atmospheric Molybdenum Cycle. <i>Global Biogeochemical Cycles</i> , 2021 , 35, e2020GB006787	5.9	1
413	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	6.8	8
412	Understanding the local and remote source contributions to ambient O 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	10.2	0
411	Short-term health effects from outdoor exposure to biomass burning emissions: A review. <i>Science of the Total Environment</i> , 2021 , 781, 146739	10.2	15
410	A phenomenology of new particle formation (NPF) at 13 European sites. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11905-11925	6.8	4
409	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	4	3
408	Associations between sources of particle number and mortality in four European cities. <i>Environment International</i> , 2021 , 155, 106662	12.9	2
407	Compositional changes of PM 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	10.2	4
406	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	12.9	1
405	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	6.8	10
404	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	10.2	6
403	Characterization of organic aerosol at a rural site influenced by olive waste biomass burning. <i>Chemosphere</i> , 2020 , 248, 125896	8.4	9
402	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
401	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	4.6	5
400	Molecular insights into new particle formation in Barcelona, Spain. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 10029-10045	6.8	14
399	Multidecadal trend analysis of in situ aerosol radiative properties around the world. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 8867-8908	6.8	30
398	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	4	32

397	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
396	Evaluation of the Semi-Continuous OCEC analyzer performance with the EUSAAR2 protocol. <i>Science of the Total Environment</i> , 2020 , 747, 141266	10.2	10
395	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	10.2	12
394	Public Transport Strikes and Their Relationships With Air Pollution, Mortality, and Hospital Admissions. <i>American Journal of Epidemiology</i> , 2020 , 189, 116-119	3.8	
393	Source apportionment of urban PM in Barcelona during SAPUSS using organic and inorganic components. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 32114-32127	5.1	6
392	African dust and air quality over Spain: Is it only dust that matters?. <i>Science of the Total Environment</i> , 2019 , 686, 737-752	10.2	34
391	Monitoring the impact of desert dust outbreaks for air quality for health studies. <i>Environment International</i> , 2019 , 130, 104867	12.9	84
390	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	4	13
389	Vertical and horizontal fall-off of black carbon and NO within urban blocks. <i>Science of the Total Environment</i> , 2019 , 686, 236-245	10.2	10
388	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	3.4	25
387	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	6.8	12
386	Relating high ozone, ultrafine particles, and new particle formation episodes using cluster analysis. <i>Atmospheric Environment: X</i> , 2019 , 4, 100051	2.8	6
385	Analysis of summer O ₃ in the Madrid air basin with the LOTOS-EUROS chemical transport model. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 14211-14232	6.8	12
384	Overview of the NOAA/ESRL Federated Aerosol Network. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, 123-135	6.1	26
383	Effectiveness of commercial face masks to reduce personal PM exposure. <i>Science of the Total Environment</i> , 2019 , 650, 1582-1590	10.2	40
382	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	12.9	37
381	Short-term exposure to traffic-related air pollution and ischemic stroke onset in Barcelona, Spain. <i>Environmental Research</i> , 2018 , 162, 160-165	7.9	34
380	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	6.8	15

379	Air quality trends in an industrialised area of SW Spain. <i>Journal of Cleaner Production</i> , 2018 , 186, 465-474	10.3	16
378	2005-2014 trends of PM10 source contributions in an industrialized area of southern Spain. <i>Environmental Pollution</i> , 2018 , 236, 570-579	9.3	25
377	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	10.2	37
376	Effect of public transport strikes on air pollution levels in Barcelona (Spain). <i>Science of the Total Environment</i> , 2018 , 610-611, 1076-1082	10.2	36
375	A European aerosol phenomenology 1b: scattering properties of atmospheric aerosol particles from 28 ACTRIS sites. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 7877-7911	6.8	46
374	Vertical and horizontal distribution of regional new particle formation events in Madrid 2018 ,		1
373	Vertical and horizontal distribution of regional new particle formation events in Madrid. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 16601-16618	6.8	21
372	Nanoparticle formation and emission during laser ablation of ceramic tiles. <i>Journal of Aerosol Science</i> , 2018 , 126, 152-168	4.3	11
371	Spatio-temporal patterns of high summer ozone events in the Madrid Basin, Central Spain. <i>Atmospheric Environment</i> , 2018 , 185, 207-220	5.3	12
370	Phenomenology of summer ozone episodes over the Madrid Metropolitan Area, central Spain. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 6511-6533	6.8	24
369	Temporal and spatial variability of atmospheric particle number size distributions across Spain. <i>Atmospheric Environment</i> , 2018 , 190, 146-160	5.3	14
368	Identification of technical problems affecting performance of DustTrak DRX aerosol monitors. <i>Science of the Total Environment</i> , 2017 , 584-585, 849-855	10.2	33
367	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	4.4	27
366	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	10.2	16
365	Impact of North America on the aerosol composition in the North Atlantic free troposphere 2017 ,		1
364	A European aerosol phenomenology-6: Scattering properties of atmospheric aerosol particles from 28 ACTRIS sites 2017 ,		1
363	Characterization of atmospheric black carbon and co-pollutants in urban and rural areas of Spain. <i>Atmospheric Environment</i> , 2017 , 169, 36-53	5.3	41
362	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

361	Impact of North America on the aerosol composition in the North Atlantic free troposphere. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 7387-7404	6.8	14
360	Near-real-time processing of a ceilometer network assisted with sun-photometer data: monitoring a dust outbreak over the Iberian Peninsula. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11861-11876	6.8	43
359	Phenomenology of high-ozone episodes in NE Spain. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 2817-2838	6.8	33
358	AIRUSE-LIFE+: estimation of natural source contributions to urban ambient air PM ₁₀ and PM _{2.5} concentrations in southern Europe. Implications to compliance with limit values. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 3673-3685	6.8	49
357	Speciation of organic aerosols in the Saharan Air Layer and in the free troposphere westerlies. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 8939-8958	6.8	13
356	Near real time processing of ceilometer network data: characterizing an extraordinary dust outbreak over the Iberian Peninsula 2017 ,		1
355	Quantifying Dry and Wet Deposition Fluxes in Two Regions of Contrasting African Influence: The NE Iberian Peninsula and the Canary Islands. <i>Atmosphere</i> , 2017 , 8, 86	2.7	15
354	Spatiotemporally resolved black carbon concentration, schoolchildren's exposure and dose in Barcelona. <i>Indoor Air</i> , 2016 , 26, 391-402	5.4	56
353	On the origin of the highest ozone episodes in Spain. <i>Science of the Total Environment</i> , 2016 , 572, 379-389	6.2	32
352	Vertical and horizontal variability of PM ₁₀ ; source contributions in Barcelona during SAPUSS. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 6785-6804	6.8	9
351	Ice nucleating particles in the Saharan Air Layer. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 9067-9087	6.8	74
350	Trends analysis of PM source contributions and chemical tracers in NE Spain during 2004-2014: a multi-exponential approach. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 11787-11805	6.8	31
349	Detection of Saharan dust and biomass burning events using near-real-time intensive aerosol optical properties in the north-western Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 12567-12586	6.8	40
348	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
347	Geochemistry of PM ₁₀ over Europe during the EMEP intensive measurement periods in summer 2012 and winter 2013. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 6107-6129	6.8	42
346	Atmospheric pollutants in peri-urban forests of <i>Quercus ilex</i> : evidence of pollution abatement and threats for vegetation. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 6400-13	5.1	29
345	An inter-comparison of PM ₁₀ source apportionment using PCA and PMF receptor models in three European sites. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 15133-48	5.1	48
344	Traffic induced particle resuspension in Paris: Emission factors and source contributions. <i>Atmospheric Environment</i> , 2016 , 129, 114-124	5.3	69

343	Variability in exposure to ambient ultrafine particles in urban schools: Comparative assessment between Australia and Spain. <i>Environment International</i> , 2016 , 88, 142-149	12.9	29
342	Assessment of the variability of atmospheric pollution in National Parks of mainland Spain. <i>Atmospheric Environment</i> , 2016 , 132, 332-344	5.3	11
341	Case Studies of Source Apportionment and Suggested Measures at Southern European Cities. <i>Issues in Environmental Science and Technology</i> , 2016 , 168-263	0.7	4
340	Black Carbon Exposure of Schoolchildren in Barcelona. <i>Springer Proceedings in Complexity</i> , 2016 , 173-175	0.3	
339	Chapter 10 New Considerations for PM, Black Carbon, and Particle Number Concentration for Air Quality Monitoring Across Different European Cities 2016 , 177-218		
338	Intercomparison of four different cascade impactors for fine and ultrafine particle sampling in two European locations 2016 ,		6
337	Secondary organic aerosol origin in an urban environment: influence of biogenic and fuel combustion precursors. <i>Faraday Discussions</i> , 2016 , 189, 337-59	3.6	33
336	Intercomparison of a portable and two stationary mobility particle sizers for nanoscale aerosol measurements. <i>Aerosol Science and Technology</i> , 2016 , 50, 653-668	3.4	21
335	Soluble iron dust export in the high altitude Saharan Air Layer. <i>Atmospheric Environment</i> , 2016 , 133, 49-59	5.3	20
334	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
333	A European aerosol phenomenology -4: Harmonized concentrations of carbonaceous aerosol at 10 regional background sites across Europe. <i>Atmospheric Environment</i> , 2016 , 144, 133-145	5.3	32
332	Impact of harbour emissions on ambient PM10 and PM2.5 in Barcelona (Spain): Evidences of secondary aerosol formation within the urban area. <i>Science of the Total Environment</i> , 2016 , 571, 237-50	10.2	67
331	Determinants of aerosol lung-deposited surface area variation in an urban environment. <i>Science of the Total Environment</i> , 2015 , 517, 38-47	10.2	35
330	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, 344-52	10.2	15
329	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	3.4	17
328	New particle formation at ground level and in the vertical column over the Barcelona area. <i>Atmospheric Research</i> , 2015 , 164-165, 118-130	5.4	29
327	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
326	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	5.3	26

325	Industrial sources of primary and secondary organic aerosols in two urban environments in Spain. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 10413-24	5.1	14
324	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	5.3	23
323	Real-time indoor and outdoor measurements of black carbon at primary schools. <i>Atmospheric Environment</i> , 2015 , 120, 417-426	5.3	20
322	Arsenic species in atmospheric particulate matter as tracer of the air quality of Doña Natural Park (SW Spain). <i>Chemosphere</i> , 2015 , 119, 1296-1303	8.4	23
321	Atmospheric Particle Size Distributions in the Spanish Network of Environmental DMAs (REDMAAS). <i>IOP Conference Series: Earth and Environmental Science</i> , 2015 , 28, 012001	0.3	1
320	Joint analysis of continental and regional background environments in the western Mediterranean: PM ₁₀ and PM _{2.5} concentrations and composition. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 1129-1145	6.8	22
319	Chemical characterization of submicron regional background aerosols in the western Mediterranean using an Aerosol Chemical Speciation Monitor. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 6379-6391	6.8	50
318	Modulation of Saharan dust export by the North African dipole. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 7471-7486	6.8	77
317	ACTRIS ACSM intercomparison [Part 1: Reproducibility of concentration and fragment results from 13 individual Quadrupole Aerosol Chemical Speciation Monitors (Q-ACSM) and consistency with co-located instruments. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 5063-5087	4	79
316	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
315	Road traffic and sandy playground influence on ambient pollutants in schools. <i>Atmospheric Environment</i> , 2015 , 111, 94-102	5.3	5
314	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
313	ACTRIS ACSM intercomparison [Part 2: Intercomparison of ME-2 organic source apportionment results from 15 individual, co-located aerosol mass spectrometers 2015 ,		7
312	Field comparison of portable and stationary instruments for outdoor urban air exposure assessments. <i>Atmospheric Environment</i> , 2015 , 123, 220-228	5.3	51
311	Urban NH ₃ levels and sources in six major Spanish cities. <i>Chemosphere</i> , 2015 , 119, 769-777	8.4	37
310	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	5.3	82
309	Variations in school playground and classroom atmospheric particulate chemistry. <i>Atmospheric Environment</i> , 2014 , 91, 162-171	5.3	25
308	Atmospheric PM and volatile organic compounds released from Mediterranean shrubland wildfires. <i>Atmospheric Environment</i> , 2014 , 89, 85-92	5.3	32

307	Natural sources of atmospheric aerosols influencing air quality across Europe. <i>Science of the Total Environment</i> , 2014 , 472, 825-33	10.2	54
306	Effects of road dust suppressants on PM levels in a Mediterranean urban area. <i>Environmental Science & Technology</i> , 2014 , 48, 8069-77	10.3	38
305	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, 283-9	10.2	50
304	New Directions: The future of European urban air quality monitoring. <i>Atmospheric Environment</i> , 2014 , 87, 258-260	5.3	15
303	Size distribution and chemical composition of particulate matter stack emissions in and around a copper smelter. <i>Atmospheric Environment</i> , 2014 , 98, 271-282	5.3	26
302	Partitioning of magnetic particles in PM ₁₀ , PM _{2.5} and PM ₁ aerosols in the urban atmosphere of Barcelona (Spain). <i>Environmental Pollution</i> , 2014 , 188, 109-17	9.3	28
301	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
300	Sources of indoor and outdoor PM _{2.5} concentrations in primary schools. <i>Science of the Total Environment</i> , 2014 , 490, 757-65	10.2	119
299	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
298	2001-2012 trends on air quality in Spain. <i>Science of the Total Environment</i> , 2014 , 490, 957-69	10.2	95
297	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	10.2	25
296	Child exposure to indoor and outdoor air pollutants in schools in Barcelona, Spain. <i>Environment International</i> , 2014 , 69, 200-12	12.9	190
295	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	4.4	33
294	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
293	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
292	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	6.8	27
291	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
290	Three years of aerosol mass, black carbon and particle number concentrations at Montsec (southern Pyrenees, 1570 m a.s.l.). <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 4279-4295	6.8	28

289	Outdoor and indoor UFP in primary schools across Barcelona. <i>Science of the Total Environment</i> , 2014 , 493, 943-53	10.2	47
288	Origin of PM ₁₀ Pollution Episodes in an Industrialized Mega-City in Central China. <i>Aerosol and Air Quality Research</i> , 2014 , 14, 338-346	4.6	6
287	Road Dust Emission Sources and Assessment of Street Washing Effect. <i>Aerosol and Air Quality Research</i> , 2014 , 14, 734-743	4.6	26
286	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
285	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	1.2	2
284	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
283	Neural network model for the prediction of PM ₁₀ daily concentrations in two sites in the Western Mediterranean. <i>Science of the Total Environment</i> , 2013 , 463-464, 875-83	10.2	52
282	PM ₁₀ and PM _{2.5} sources at an insular location in the western Mediterranean by using source apportionment techniques. <i>Science of the Total Environment</i> , 2013 , 456-457, 267-77	10.2	32
281	Case studies of new particle formation and evaporation processes in the western Mediterranean regional background. <i>Atmospheric Environment</i> , 2013 , 81, 651-659	5.3	18
280	Carbon emissions in Mediterranean shrubland wildfires: An experimental approach. <i>Atmospheric Environment</i> , 2013 , 69, 86-93	5.3	17
279	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
278	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	2.8	8
277	Evidence of biomass burning aerosols in the Barcelona urban environment during winter time. <i>Atmospheric Environment</i> , 2013 , 72, 81-88	5.3	61
276	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> , 2013 , 65, 19243 ³ -3	3.3	19
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1 Three years of aerosol mass, black carbon and particle number concentrations at Montsec (southern~Pyrenees, 1570 m a.s.l.)

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