

# Teresa Moreno

## List of Publications by Year in descending order

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Version: 2024-02-01

169  
papers

13,079  
citations

20759

60  
h-index

26548

107  
g-index

182  
all docs

182  
docs citations

182  
times ranked

12317  
citing authors

#	ARTICLE	IF	CITATIONS
1	A European aerosol phenomenology â€“ 3: Physical and chemical characteristics of particulate matter from 60 rural, urban, and kerbside sites across Europe. <i>Atmospheric Environment</i> , 2010, 44, 1308-1320.	1.9	654
2	Association between Traffic-Related Air Pollution in Schools and Cognitive Development in Primary School Children: A Prospective Cohort Study. <i>PLoS Medicine</i> , 2015, 12, e1001792.	3.9	399
3	Source origin of trace elements in PM from regional background, urban and industrial sites of Spain. <i>Atmospheric Environment</i> , 2007, 41, 7219-7231.	1.9	396
4	Spatial and chemical patterns of PM10 in road dust deposited in urban environment. <i>Atmospheric Environment</i> , 2009, 43, 1650-1659.	1.9	387
5	Environmental, physical and structural characterisation of geopolymer matrixes synthesised from coal (co-)combustion fly ashes. <i>Journal of Hazardous Materials</i> , 2008, 154, 175-183.	6.5	375
6	African dust contributions to mean ambient PM10 mass-levels across the Mediterranean Basin. <i>Atmospheric Environment</i> , 2009, 43, 4266-4277.	1.9	375
7	Geochemical variations in aeolian mineral particles from the Saharaâ€“Sahel Dust Corridor. <i>Chemosphere</i> , 2006, 65, 261-270.	4.2	330
8	New considerations for PM, Black Carbon and particle number concentration for air quality monitoring across different European cities. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6207-6227.	1.9	317
9	Urban air quality: The challenge of traffic non-exhaust emissions. <i>Journal of Hazardous Materials</i> , 2014, 275, 31-36.	6.5	314
10	Sources and variability of inhalable road dust particles in three European cities. <i>Atmospheric Environment</i> , 2011, 45, 6777-6787.	1.9	294
11	Spatial and temporal variations in airborne particulate matter (PM10 and PM2.5) across Spain 1999â€“2005. <i>Atmospheric Environment</i> , 2008, 42, 3964-3979.	1.9	287
12	Environmental characterization of burnt coal gangue banks at Yangquan, Shanxi Province, China. <i>International Journal of Coal Geology</i> , 2008, 75, 93-104.	1.9	266
13	Child exposure to indoor and outdoor air pollutants in schools in Barcelona, Spain. <i>Environment International</i> , 2014, 69, 200-212.	4.8	243
14	Source apportionment of PM10 and PM2.5 at multiple sites in the strait of Gibraltar by PMF: impact of shipping emissions. <i>Environmental Science and Pollution Research</i> , 2011, 18, 260-269.	2.7	238
15	Chemical Tracers of Particulate Emissions from Commercial Shipping. <i>Environmental Science &amp; Technology</i> , 2009, 43, 7472-7477.	4.6	227
16	Health effects from Sahara dust episodes in Europe: Literature review and research gaps. <i>Environment International</i> , 2012, 47, 107-114.	4.8	194
17	Variability of levels and composition of PM<sub>10</sub> and PM<sub>2.5</sub> in the Barcelona metro system. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5055-5076.	1.9	173
18	Variations in vanadium, nickel and lanthanoid element concentrations in urban air. <i>Science of the Total Environment</i> , 2010, 408, 4569-4579.	3.9	163

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19	Recreational atmospheric pollution episodes: Inhalable metalliferous particles from firework displays. <i>Atmospheric Environment</i> , 2007, 41, 913-922.	1.9	158
20	Sources of indoor and outdoor PM <sub>2.5</sub> concentrations in primary schools. <i>Science of the Total Environment</i> , 2014, 490, 757-765.	3.9	153
21	Assessment of personal exposure to particulate air pollution during commuting in European cities—Recommendations and policy implications. <i>Science of the Total Environment</i> , 2014, 490, 785-797.	3.9	145
22	Influence of soil cover on reducing the environmental impact of spontaneous coal combustion in coal waste gobs: A review and new experimental data. <i>International Journal of Coal Geology</i> , 2011, 85, 2-22.	1.9	142
23	Subway platform air quality: Assessing the influences of tunnel ventilation, train piston effect and station design. <i>Atmospheric Environment</i> , 2014, 92, 461-468.	1.9	141
24	Exposure to airborne particulate matter in the subway system. <i>Science of the Total Environment</i> , 2015, 511, 711-722.	3.9	140
25	Factors controlling air quality in different European subway systems. <i>Environmental Research</i> , 2016, 146, 35-46.	3.7	138
26	Urban air quality comparison for bus, tram, subway and pedestrian commutes in Barcelona. <i>Environmental Research</i> , 2015, 142, 495-510.	3.7	136
27	Engineering in direct synthesis of hydrogen peroxide: targets, reactors and guidelines for operational conditions. <i>Green Chemistry</i> , 2014, 16, 2320.	4.6	131
28	Biomass burning contributions to urban aerosols in a coastal Mediterranean City. <i>Science of the Total Environment</i> , 2012, 427-428, 175-190.	3.9	130
29	Variations in atmospheric PM trace metal content in Spanish towns: Illustrating the chemical complexity of the inorganic urban aerosol cocktail. <i>Atmospheric Environment</i> , 2006, 40, 6791-6803.	1.9	126
30	2001–2012 trends on air quality in Spain. <i>Science of the Total Environment</i> , 2014, 490, 957-969.	3.9	123
31	Tracing surface and airborne SARS-CoV-2 RNA inside public buses and subway trains. <i>Environment International</i> , 2021, 147, 106326.	4.8	119
32	Health impact assessment of a reduction in ambient PM <sub>2.5</sub> levels in Spain. <i>Environment International</i> , 2011, 37, 342-348.	4.8	118
33	Trace element variation in size-fractionated African desert dusts. <i>Journal of Arid Environments</i> , 2008, 72, 1034-1045.	1.2	117
34	A new look at inhalable metalliferous airborne particles on rail subway platforms. <i>Science of the Total Environment</i> , 2015, 505, 367-375.	3.9	116
35	Urban NH <sub>3</sub> levels and sources in a Mediterranean environment. <i>Atmospheric Environment</i> , 2012, 57, 153-164.	1.9	115
36	An introductory TEM study of Fe-nanominerals within coal fly ash. <i>Science of the Total Environment</i> , 2009, 407, 4972-4974.	3.9	108

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37	Size and time-resolved roadside enrichment of atmospheric particulate pollutants. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 2917-2931.	1.9	104
38	Daily and hourly sourcing of metallic and mineral dust in urban air contaminated by traffic and coal-burning emissions. <i>Atmospheric Environment</i> , 2013, 68, 33-44.	1.9	104
39	Variability of carbonaceous aerosols in remote, rural, urban and industrial environments in Spain: implications for air quality policy. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6185-6206.	1.9	104
40	Variations of urban aerosols in the western Mediterranean. <i>Atmospheric Environment</i> , 2008, 42, 9052-9062.	1.9	102
41	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.	1.9	100
42	Origin of inorganic and organic components of PM 2.5 in subway stations of Barcelona, Spain. <i>Environmental Pollution</i> , 2016, 208, 125-136.	3.7	95
43	Geochemistry of regional background aerosols in the Western Mediterranean. <i>Atmospheric Research</i> , 2009, 94, 422-435.	1.8	92
44	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.	1.9	89
45	Physicochemical characterization and sources of the thoracic fraction of road dust in a Latin American megacity. <i>Science of the Total Environment</i> , 2019, 652, 434-446.	3.9	88
46	Lanthanoid Geochemistry of Urban Atmospheric Particulate Matter. <i>Environmental Science &amp; Technology</i> , 2008, 42, 6502-6507.	4.6	84
47	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.	1.9	82
48	Lessons from the COVID-19 air pollution decrease in Spain: Now what?. <i>Science of the Total Environment</i> , 2021, 779, 146380.	3.9	80
49	Identification of FCC refinery atmospheric pollution events using lanthanoid- and vanadium-bearing aerosols. <i>Atmospheric Environment</i> , 2008, 42, 7851-7861.	1.9	79
50	Evidence of biomass burning aerosols in the Barcelona urban environment during winter time. <i>Atmospheric Environment</i> , 2013, 72, 81-88.	1.9	76
51	Trace element fractionation between PM <sub>10</sub> and PM <sub>2.5</sub> in coal mine dust: Implications for occupational respiratory health. <i>International Journal of Coal Geology</i> , 2019, 203, 52-59.	1.9	76
52	A multidisciplinary approach to characterise exposure risk and toxicological effects of PM <sub>10</sub> and PM <sub>2.5</sub> samples in urban environments. <i>Ecotoxicology and Environmental Safety</i> , 2012, 78, 327-335.	2.9	75
53	Emission factors from road dust resuspension in a Mediterranean freeway. <i>Atmospheric Environment</i> , 2012, 61, 580-587.	1.9	73
54	Particle-induced oxidative damage is ameliorated by pulmonary antioxidants. <i>Free Radical Biology and Medicine</i> , 2002, 32, 898-905.	1.3	72

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55	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, 945-949.	6.5	69
56	Overview on the occurrence of microplastics in air and implications from the use of face masks during the COVID-19 pandemic. <i>Science of the Total Environment</i> , 2021, 800, 149555.	3.9	66
57	African dust and air quality over Spain: Is it only dust that matters?. <i>Science of the Total Environment</i> , 2019, 686, 737-752.	3.9	65
58	Perspectives on processing of high value lipids using supercritical fluids. <i>Journal of Supercritical Fluids</i> , 2018, 134, 260-268.	1.6	64
59	Oxidative potential of subway PM 2.5. <i>Atmospheric Environment</i> , 2017, 148, 230-238.	1.9	63
60	COVID-19 face masks: A new source of human and environmental exposure to organophosphate esters. <i>Environment International</i> , 2021, 154, 106654.	4.8	63
61	Characterisation of aerosol particulate matter from urban and industrial environments: examples from Cardiff and Port Talbot, South Wales, UK. <i>Science of the Total Environment</i> , 2004, 334-335, 337-346.	3.9	62
62	Deposition of aerosol particles from a subway microenvironment in the human respiratory tract. <i>Journal of Aerosol Science</i> , 2015, 90, 103-113.	1.8	62
63	Effect of ventilation strategies and air purifiers on the children's exposure to airborne particles and gaseous pollutants in school gyms. <i>Science of the Total Environment</i> , 2020, 712, 135673.	3.9	61
64	Effectiveness of commercial face masks to reduce personal PM exposure. <i>Science of the Total Environment</i> , 2019, 650, 1582-1590.	3.9	59
65	Evaluating urban PM10 pollution benefit induced by street cleaning activities. <i>Atmospheric Environment</i> , 2009, 43, 4472-4480.	1.9	58
66	Extraction of cannabinoids from hemp ( <i>Cannabis sativa</i> L.) using high pressure solvents: An overview of different processing options. <i>Journal of Supercritical Fluids</i> , 2020, 161, 104850.	1.6	57
67	The geology of ambient aerosols: characterising urban and rural/coastal silicate PM <sub>10</sub> and PM <sub>2.5</sub> using high-volume cascade collection and scanning electron microscopy. <i>Atmospheric Environment</i> , 2003, 37, 4265-4276.	1.9	56
68	Preferential Fractionation of Trace Metals and Metalloids into PM <sub>10</sub> Resuspended from Contaminated Gold Mine Tailings at Rodalquilar, Spain. <i>Water, Air, and Soil Pollution</i> , 2007, 179, 93-105.	1.1	55
69	Air quality modeling and mortality impact of fine particles reduction policies in Spain. <i>Environmental Research</i> , 2014, 128, 15-26.	3.7	55
70	Geochemistry of PM <sub>10</sub> over Europe during the EMEP intensive measurement periods in summer 2012 and winter 2013. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 6107-6129.	1.9	54
71	Distribution of trace elements in particle size fractions for contaminated soils by a copper smelting from different zones of the Puchuncavá Valley (Chile). <i>Chemosphere</i> , 2014, 111, 513-521.	4.2	52
72	Nanoparticulate mineral matter from basalt dust wastes. <i>Chemosphere</i> , 2016, 144, 2013-2017.	4.2	52

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73	Mineralogy, geochemistry and toxicity of size-segregated respirable deposited dust in underground coal mines. <i>Journal of Hazardous Materials</i> , 2020, 399, 122935.	6.5	52
74	Road dust contribution to PM levels – Evaluation of the effectiveness of street washing activities by means of Positive Matrix Factorization. <i>Atmospheric Environment</i> , 2011, 45, 2193-2201.	1.9	51
75	Oxidative properties of ambient PM <sub>2.5</sub> and elemental composition: Heterogeneous associations in 19 European cities. <i>Atmospheric Environment</i> , 2009, 43, 4595-4602.	1.9	50
76	Identification of technical problems affecting performance of DustTrak DRX aerosol monitors. <i>Science of the Total Environment</i> , 2017, 584-585, 849-855.	3.9	50
77	Concentrations, sources and geochemistry of airborne particulate matter at a major European airport. <i>Journal of Environmental Monitoring</i> , 2010, 12, 854.	2.1	49
78	The effect of ventilation protocols on airborne particulate matter in subway systems. <i>Science of the Total Environment</i> , 2017, 584-585, 1317-1323.	3.9	49
79	Size fractionation in mercury-bearing airborne particles (HgPM <sub>10</sub> ) at Almad�n, Spain: Implications for inhalation hazards around old mines. <i>Atmospheric Environment</i> , 2005, 39, 6409-6419.	1.9	47
80	Vehicle interior air quality conditions when travelling by taxi. <i>Environmental Research</i> , 2019, 172, 529-542.	3.7	46
81	Airborne particles produced during enamel cleanup after removal of orthodontic appliances. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2003, 124, 683-686.	0.8	45
82	Bioaerosols in the Barcelona subway system. <i>Indoor Air</i> , 2017, 27, 564-575.	2.0	45
83	Phenomenology of high-ozone episodes in NE Spain. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2817-2838.	1.9	45
84	Aerosol sources in subway environments. <i>Environmental Research</i> , 2018, 167, 314-328.	3.7	45
85	Size distribution and chemical composition of metalliferous stack emissions in the San Roque petroleum refinery complex, southern Spain. <i>Journal of Hazardous Materials</i> , 2011, 190, 713-722.	6.5	44
86	Effects of Road Dust Suppressants on PM Levels in a Mediterranean Urban Area. <i>Environmental Science &amp; Technology</i> , 2014, 48, 8069-8077.	4.6	44
87	Platiniferous chromitite and the tectonic setting of ultramafic rocks in Cabo Ortegal, NW Spain. <i>Journal of the Geological Society</i> , 2001, 158, 601-614.	0.9	43
88	Nutritional characteristics of veal from weaned and unweaned calves: Discriminatory ability of the fat profile. <i>Meat Science</i> , 2006, 73, 209-217.	2.7	42
89	Peculiarities in atmospheric particle number and size-resolved speciation in an urban area in the western Mediterranean: Results from the DAURE campaign. <i>Atmospheric Environment</i> , 2011, 45, 5282-5293.	1.9	42
90	Exotic dust incursions into central Spain: Implications for legislative controls on atmospheric particulates. <i>Atmospheric Environment</i> , 2005, 39, 6109-6120.	1.9	41

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91	The identification of metallic elements in airborne particulate matter derived from fossil fuels at Puertollano, Spain. <i>International Journal of Coal Geology</i> , 2007, 71, 122-128.	1.9	41
92	Variations in the source, metal content and bioreactivity of technogenic aerosols: a case study from Port Talbot, Wales, UK. <i>Science of the Total Environment</i> , 2004, 333, 59-73.	3.9	40
93	Manganese in the urban atmosphere: identifying anomalous concentrations and sources. <i>Environmental Science and Pollution Research</i> , 2011, 18, 173-183.	2.7	40
94	Comprehensive evaluation of potential coal mine dust emissions in an open-pit coal mine in Northwest China. <i>International Journal of Coal Geology</i> , 2021, 235, 103677.	1.9	40
95	The spatial and temporal variations in PM10 mass from six UK homes. <i>Science of the Total Environment</i> , 2004, 324, 41-53.	3.9	37
96	Quantitative Raman determination of hydrogen peroxide using the solvent as internal standard: Online application in the direct synthesis of hydrogen peroxide. <i>Chemical Engineering Journal</i> , 2011, 166, 1061-1065.	6.6	37
97	Spray Drying Formulation of Polyphenols-Rich Grape Marc Extract: Evaluation of Operating Conditions and Different Natural Carriers. <i>Food and Bioprocess Technology</i> , 2016, 9, 2046-2058.	2.6	37
98	Modelling Saharan dust transport into the Mediterranean basin with CMAQ. <i>Atmospheric Environment</i> , 2013, 70, 337-350.	1.9	35
99	Physicochemical variations in atmospheric aerosols recorded at sea onboard the Atlanticâ€“Mediterranean 2008 Scholar Ship cruise (Part II): Natural versus anthropogenic influences revealed by PM10 trace element geochemistry. <i>Atmospheric Environment</i> , 2010, 44, 2563-2576.	1.9	34
100	Assessing the Performance of Methods to Detect and Quantify African Dust in Airborne Particulates. <i>Environmental Science &amp; Technology</i> , 2010, 44, 8814-8820.	4.6	34
101	Daily and hourly chemical impact of springtime transboundary aerosols on Japanese air quality. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1411-1424.	1.9	34
102	Cannabinoid Decarboxylation: A Comparative Kinetic Study. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 20307-20315.	1.8	34
103	The physicochemical characterisation of microscopic airborne particles in south Wales: A review of the locations and methodologies. <i>Science of the Total Environment</i> , 2006, 360, 43-59.	3.9	33
104	Size distribution and chemical composition of particulate matter stack emissions in and around a copper smelter. <i>Atmospheric Environment</i> , 2014, 98, 271-282.	1.9	33
105	Road Dust Emission Sources and Assessment of Street Washing Effect. <i>Aerosol and Air Quality Research</i> , 2014, 14, 734-743.	0.9	33
106	Monitoring of heavy metal concentrations in home outdoor air using moss bags. <i>Environmental Pollution</i> , 2011, 159, 954-962.	3.7	31
107	Anionic groups on cellulosic fiber surfaces investigated by XPS, FTIR-ATR, and different sorption methods. <i>Journal of Colloid and Interface Science</i> , 2005, 290, 383-391.	5.0	30
108	Direct synthesis of hydrogen peroxide in methanol and water using scCO <sub>2</sub> and N <sub>2</sub> as diluents. <i>Green Chemistry</i> , 2010, 12, 282-289.	4.6	30

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109	Fatty acid composition of M. Longissimus dorsi from Holsteinâ€“Friesian steers of New Zealand and European/American descent and from Belgian BlueÃ—Holsteinâ€“Friesian steers, slaughtered at two weights/ages. <i>Meat Science</i> , 2008, 78, 157-169.	2.7	29
110	Supercritical antisolvent precipitation of polyphenols from grape marc extract. <i>Journal of Supercritical Fluids</i> , 2016, 118, 54-63.	1.6	29
111	Factors controlling particle number concentration and size at metro stations. <i>Atmospheric Environment</i> , 2017, 156, 169-181.	1.9	29
112	Storage stability and simulated gastrointestinal release of spray dried grape marc phenolics. <i>Food and Bioproducts Processing</i> , 2018, 112, 96-107.	1.8	29
113	PM source apportionment and trace metallic aerosol affinities during atmospheric pollution episodes: a case study from Puertollano, Spain. <i>Journal of Environmental Monitoring</i> , 2006, 8, 1060-1068.	2.1	28
114	Variations in school playground and classroom atmospheric particulate chemistry. <i>Atmospheric Environment</i> , 2014, 91, 162-171.	1.9	28
115	Presenting SAPUSS: Solving Aerosol Problem by Using Synergistic Strategies in Barcelona, Spain. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8991-9019.	1.9	27
116	Source apportionment for contaminated soils using multivariate statistical methods. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 138, 127-132.	1.8	27
117	Airborne microplastic particle concentrations and characterization in indoor urban microenvironments. <i>Environmental Pollution</i> , 2022, 308, 119707.	3.7	27
118	Natural versus anthropogenic inhalable aerosol chemistry of transboundary East Asian atmospheric outflows into western Japan. <i>Science of the Total Environment</i> , 2012, 424, 182-192.	3.9	26
119	Improving air quality in subway systems: An overview. <i>Environmental Pollution</i> , 2018, 239, 829-831.	3.7	26
120	Origin and speciation of major and trace PM elements in the Barcelona subway system. <i>Transportation Research, Part D: Transport and Environment</i> , 2019, 72, 17-35.	3.2	25
121	Airborne particulate matter and premature deaths in urban Europe: the new WHO guidelines and the challenge ahead as illustrated by Spain. <i>European Journal of Epidemiology</i> , 2007, 22, 1-5.	2.5	24
122	Controls on hourly variations in urban background air pollutant concentrations. <i>Atmospheric Environment</i> , 2009, 43, 4178-4186.	1.9	24
123	Identification of chemical tracers in the characterisation and source apportionment of inhalable inorganic airborne particles: an overview. <i>Biomarkers</i> , 2009, 14, 17-22.	0.9	23
124	Profiling transient daytime peaks in urban air pollutants: city centre traffic hotspot versus urban background concentrations. <i>Journal of Environmental Monitoring</i> , 2009, 11, 1535.	2.1	23
125	Direct synthesis of H <sub>2</sub> O <sub>2</sub> in methanol at low pressures over Pd/C catalyst: Semi-continuous process. <i>Applied Catalysis A: General</i> , 2010, 386, 28-33.	2.2	23
126	The influence of lifestyle on airborne particle surface area doses received by different Western populations. <i>Environmental Pollution</i> , 2018, 232, 113-122.	3.7	23

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127	Spatial and temporal variations in inhalable CuZnPb aerosols within the Mexico City pollution plume. <i>Journal of Environmental Monitoring</i> , 2008, 10, 370.	2.1	22
128	Effect of weaning status on animal performance and meat quality of Rubia Gallega calves. <i>Meat Science</i> , 2010, 86, 832-838.	2.7	22
129	Implementation of road dust resuspension in air quality simulations of particulate matter in Madrid (Spain). <i>Frontiers in Environmental Science</i> , 2015, 3, .	1.5	22
130	Physico-chemical characterization of playground sand dust, inhalable and bioaccessible fractions. <i>Chemosphere</i> , 2018, 190, 454-462.	4.2	22
131	Evaluation of the Semi-Continuous OCEC analyzer performance with the EUSAAR2 protocol. <i>Science of the Total Environment</i> , 2020, 747, 141266.	3.9	22
132	Controlling influences on daily fluctuations of inhalable particles and gas concentrations: Local versus regional and exotic atmospheric pollutants at Puertollano, Spain. <i>Atmospheric Environment</i> , 2006, 40, 3207-3218.	1.9	21
133	Decomposition reaction of H <sub>2</sub> O <sub>2</sub> over Pd/C catalyst in an aqueous medium at high pressure: Detailed kinetic study and modelling. <i>Journal of Supercritical Fluids</i> , 2011, 57, 227-235.	1.6	19
134	Organophosphate esters in airborne particles from subway stations. <i>Science of the Total Environment</i> , 2021, 769, 145105.	3.9	19
135	Uncatalysed wet oxidation of d-glucose with hydrogen peroxide and its combination with hydrothermal electrolysis. <i>Carbohydrate Research</i> , 2012, 349, 33-38.	1.1	18
136	Origin of polycyclic aromatic hydrocarbons and other organic pollutants in the air particles of subway stations in Barcelona. <i>Science of the Total Environment</i> , 2018, 642, 148-154.	3.9	18
137	Vertical and horizontal fall-off of black carbon and NO <sub>2</sub> within urban blocks. <i>Science of the Total Environment</i> , 2019, 686, 236-245.	3.9	18
138	Assessment of the variability of atmospheric pollution in National Parks of mainland Spain. <i>Atmospheric Environment</i> , 2016, 132, 332-344.	1.9	17
139	Anthropogenic versus mineral aerosols in the stimulation of microbial planktonic communities in coastal waters of the northwestern Mediterranean Sea. <i>Science of the Total Environment</i> , 2017, 574, 553-568.	3.9	17
140	Spatio-temporal patterns of high summer ozone events in the Madrid Basin, Central Spain. <i>Atmospheric Environment</i> , 2018, 185, 207-220.	1.9	17
141	How can ventilation be improved on public transportation buses? Insights from CO <sub>2</sub> measurements. <i>Environmental Research</i> , 2022, 205, 112451.	3.7	17
142	Within-city contrasts in PM composition and sources and their relationship with nitrogen oxides. <i>Journal of Environmental Monitoring</i> , 2012, 14, 2718.	2.1	15
143	Variation of PM <sub>2.5</sub> concentrations in relation to street washing activities. <i>Atmospheric Environment</i> , 2012, 54, 465-469.	1.9	14
144	Formation and alteration of airborne particles in the subway environment. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 59-64.	1.7	14

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145	The effect of grazing on the fatty acid profile of longissimus thoracis muscle in Galician Blond calves. <i>Animal</i> , 2007, 1, 1227-1235.	1.3	13
146	Bedrock controls on the mineralogy and chemistry of PM10 extracted from Australian desert sediments. <i>Environmental Geology</i> , 2009, 57, 411-420.	1.2	13
147	Tectonomagmatism in continental arcs: evidence from the Sark arc complex. <i>Tectonophysics</i> , 2002, 352, 185-201.	0.9	11
148	Chemistry and particle size distribution of respirable coal dust in underground mines in Central Eastern Europe. <i>International Journal of Coal Science and Technology</i> , 2022, 9, 1.	2.7	11
149	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.	2.0	10
150	Trace element fractionation processes in resuspended mineral aerosols extracted from Australian continental surface materials. <i>Soil Research</i> , 2008, 46, 128.	0.6	10
151	Physicochemical variations in atmospheric aerosols recorded at sea onboard the Atlanticâ€“Mediterranean 2008 Scholar Ship cruise (Part I): Particle mass concentrations, size ratios, and main chemical components. <i>Atmospheric Environment</i> , 2010, 44, 2552-2562.	1.9	9
152	Supercritical CO <sub>2</sub> Extraction of 1â€“Butanol and Acetone from Aqueous Solutions Using a Hollowâ€“Fiber Membrane Contactor. <i>Chemical Engineering and Technology</i> , 2014, 37, 1861-1872.	0.9	9
153	Road traffic and sandy playground influence on ambient pollutants in schools. <i>Atmospheric Environment</i> , 2015, 111, 94-102.	1.9	9
154	Using miniaturised scanning mobility particle sizers to observe size distribution patterns of quasi-ultrafine aerosols inhaled during city commuting. <i>Environmental Research</i> , 2020, 191, 109978.	3.7	9
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