Roy Harrison

List of Publications by Year
in descending order

668 papers	47,002 citations	1704 104 h-index	3650 180 g-index
819 all docs	819 docs citations	819 times ranked	25249 citing authors

#	Article	IF	Citations
1	Sources and properties of non-exhaust particulate matter from road traffic: A review. Science of the Total Environment, 2008, 400, 270-282.	8.0	1,233
2	Source Apportionment of Atmospheric Polycyclic Aromatic Hydrocarbons Collected from an Urban Location in Birmingham, U.K.. Environmental Science & Technology, 1996, 30, 825-832.	10.0	1,163
3	Particulate matter in the atmosphere: which particle properties are important for its effects on health?. Science of the Total Environment, 2000, 249, 85-101.	8.0	957
4	Estimation of the contribution of road traffic emissions to particulate matter concentrations from field measurements: A review. Atmospheric Environment, 2013, 77, 78-97.	4.1	877
5	Source apportionment of particulate matter in Europe: A review of methods and results. Journal of Aerosol Science, 2008, 39, 827-849.	3.8	812
6	Carbonaceous aerosol in urban and rural European atmospheres: estimation of secondary organic carbon concentrations. Atmospheric Environment, 1999, 33, 2771-2781.	4.1	745
7	The effects of meteorological factors on atmospheric bioaerosol concentrationsâ€"a review. Science of the Total Environment, 2004, 326, 151-180.	8.0	692
8	Mobility particle size spectrometers: harmonization of technical standards and data structure to facilitate high quality long-term observations of atmospheric particle number size distributions. Atmospheric Measurement Techniques, 2012, 5, 657-685.	3.1	689
9	Chemical reactivity and long-range transport potential of polycyclic aromatic hydrocarbons â€" a review. Chemical Society Reviews, 2013, 42, 9333.	38.1	556
10	Particles, air quality, policy and health. Chemical Society Reviews, 2012, 41, 6606.	38.1	551
11	A European aerosol phenomenologyâ€"1: physical characteristics of particulate matter at kerbside, urban, rural and background sites in Europe. Atmospheric Environment, 2004, 38, 2561-2577.	4.1	494
12	Ultrafine particles in cities. Environment International, 2014, 66, 1-10.	10.0	483
13	Evaluating the Toxicity of Airborne Particulate Matter and Nanoparticles by Measuring Oxidative Stress Potentialâ€"A Workshop Report and Consensus Statement. Inhalation Toxicology, 2008, 20, 75-99.	1.6	482
14	Chemical associations of lead, cadmium, copper, and zinc in street dusts and roadside soils. Environmental Science & Technology, 1981, 15, 1378-1383.	10.0	479
15	Toward Direct Measurement of Atmospheric Nucleation. Science, 2007, 318, 89-92.	12.6	478
16	Estimation of the Contributions of Brake Dust, Tire Wear, and Resuspension to Nonexhaust Traffic Particles Derived from Atmospheric Measurements. Environmental Science & Technology, 2012, 46, 6523-6529.	10.0	445
17	Emissions and indoor concentrations of particulate matter and its specific chemical components from cooking: A review. Atmospheric Environment, 2013, 71, 260-294.	4.1	397
18	Identification of brake wear particles and derivation of a quantitative tracer for brake dust at a major road. Atmospheric Environment, 2010, 44, 141-146.	4.1	360

#	Article	IF	Citations
19	Concentrations and Sources of VOCs in Urban Domestic and Public Microenvironments. Environmental Science & Technology, 2001, 35, 997-1004.	10.0	343
20	OC/EC ratio observations in Europe: Re-thinking the approach for apportionment between primary and secondary organic carbon. Atmospheric Environment, 2011, 45, 6121-6132.	4.1	336
21	Aircraft engine exhaust emissions and other airport-related contributions to ambient air pollution: A review. Atmospheric Environment, 2014, 95, 409-455.	4.1	335
22	Trace Metal Concentrations and Water Solubility in Size-Fractionated Atmospheric Particles and Influence of Road Traffic. Environmental Science & Technology, 2006, 40, 1144-1153.	10.0	322
23	Primary particle formation from vehicle emissions during exhaust dilution in the roadside atmosphere. Atmospheric Environment, 2003, 37, 4109-4119.	4.1	319
24	New considerations for PM, Black Carbon and particle number concentration for air quality monitoring across different European cities. Atmospheric Chemistry and Physics, 2011, 11, 6207-6227.	4.9	317
25	Urban air quality: The challenge of traffic non-exhaust emissions. Journal of Hazardous Materials, 2014, 275, 31-36.	12.4	314
26	Urban Ambient Particle Metrics and Health. Epidemiology, 2010, 21, 501-511.	2.7	300
27	Critical review of receptor modelling for particulate matter: A case study of India. Atmospheric Environment, 2012, 49, 1-12.	4.1	289
28	Respiratory Health Effects of Airborne Particulate Matter: The Role of Particle Size, Composition, and Oxidative Potentialâ€"The RAPTES Project. Environmental Health Perspectives, 2012, 120, 1183-1189.	6.0	288
29	Sources and processes affecting concentrations of PM10 and PM2.5 particulate matter in Birmingham (U.K.). Atmospheric Environment, 1997, 31, 4103-4117.	4.1	279
30	Nanoparticle emissions from 11 non-vehicle exhaust sources â€" A review. Atmospheric Environment, 2013, 67, 252-277.	4.1	279
31	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) â€" integrating aerosol research from nano to global scales. Atmospheric Chemistry and Physics, 2011, 11, 13061-13143.	4.9	278
32	AIRUSE-LIFE+: a harmonized PM speciation and source apportionment in fiveÂsouthern European cities. Atmospheric Chemistry and Physics, 2016, 16, 3289-3309.	4.9	267
33	Investigation of Ultrafine Particle Formation during Diesel Exhaust Dilution. Environmental Science & Technology, 1999, 33, 3730-3736.	10.0	257
34	In vitro toxicity of particulate matter (PM) collected at different sites in the Netherlands is associated with PM composition, size fraction and oxidative potential - the RAPTES project. Particle and Fibre Toxicology, 2011, 8, 26.	6.2	254
35	Sources and concentration of nanoparticles (<10nm diameter) in the urban atmosphere. Atmospheric Environment, 2001, 35, 1193-1202.	4.1	252
36	Cleaning methods for polythene containers prior to the determination of trace metals in fresh water samples. Analytical Chemistry, 1981, 53, 345-350.	6.5	249

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37	A study of trace metals and polycyclic aromatic hydrocarbons in the roadside environment. Atmospheric Environment, 2003, 37, 2391-2402.	4.1	235
38	Oxidative potential of particulate matter collected at sites with different source characteristics. Science of the Total Environment, 2014, 472, 572-581.	8.0	228
39	Measurements of ultrafine particle concentration and size distribution in the urban atmosphere. Science of the Total Environment, 1999, 235, 51-64.	8.0	227
40	Characterization of ambient PM2.5 at a pollution hotspot in New Delhi, India and inference of sources. Atmospheric Environment, 2015, 109, 178-189.	4.1	217
41	Assessing the impact of clean air action on air quality trends in Beijing using a machine learning technique. Atmospheric Chemistry and Physics, 2019, 19, 11303-11314.	4.9	215
42	Tropospheric cycle of nitrous acid. Journal of Geophysical Research, 1996, 101, 14429-14439.	3.3	214
43	Number size distributions and seasonality of submicron particles in Europe 2008â€“2009. Atmospheric Chemistry and Physics, 2011, 11, 5505-5538.	4.9	214
44	Explaining global surface aerosol number concentrations in terms of primary emissions and particle formation. Atmospheric Chemistry and Physics, 2010, 10, 4775-4793.	4.9	212
45	Review of the efficacy of low emission zones to improve urban air quality in European cities. Atmospheric Environment, 2015, 111, 161-169.	4.1	210
46	Abrupt but smaller than expected changes in surface air quality attributable to COVID-19 lockdowns. Science Advances, 2021, 7, .	10.3	209
47	Ozone levels in European and USA cities are increasing more than at rural sites, while peak values are decreasing. Environmental Pollution, 2014, 192, 295-299.	7.5	207
48	Studies of the coarse particle (2.5â€“10Î¼m) component in UK urban atmospheres. Atmospheric Environment, 2001, 35, 3667-3679.	4.1	195
49	Size-differentiated composition of inorganic atmospheric aerosols of both marine and polluted continental origin. Atmospheric Environment, 1983, 17, 1733-1738.	1.0	192
50	Major component composition of PM10 and PM2.5 from roadside and urban background sites. Atmospheric Environment, 2004, 38, 4531-4538.	4.1	191
51	Particulate matter and daily mortality and hospital admissions in the west midlands conurbation of the United Kingdom: associations with fine and coarse particles, black smoke and sulphate. Occupational and Environmental Medicine, 2001, 58, 504-510.	2.8	190
52	Fine (PM2.5) and Coarse (PM2.5-10) Particulate Matter on A Heavily Trafficked London Highway:â€‰ Sources and Processes. Environmental Science & Technology, 2005, 39, 7768-7776.	10.0	187
53	Air pollutionâ€“aerosol interactions produce more bioavailable iron for ocean ecosystems. Science Advances, 2017, 3, e1601749.	10.3	182
54	Characterization of Particles from a Current Technology Heavy-Duty Diesel Engine. Environmental Science & Technology, 2000, 34, 748-755.	10.0	181

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55	Review: Particle number size distributions from seven major sources and implications for source apportionment studies. Atmospheric Environment, 2015, 122, 114-132.	4.1	179
56	PMF Analysis of Wide-Range Particle Size Spectra Collected on a Major Highway. Environmental Science & Technology, 2011, 45, 5522-5528.	10.0	178
57	The Contribution of Traffic to Atmospheric Concentrations of Polycyclic Aromatic Hydrocarbons. Environmental Science & Technology, 1999, 33, 3538-3542.	10.0	175
58	Size distribution, mixing state and source apportionment of black carbon aerosol in London during wintertime. Atmospheric Chemistry and Physics, 2014, 14, 10061-10084.	4.9	171
59	Carcinogenic potential, levels and sources of polycyclic aromatic hydrocarbon mixtures in indoor and outdoor environments and their implications for air quality standards. Environment International, 2011, 37, 383-392.	10.0	170
60	Field measurements of the dissociation of ammonium nitrate and ammonium chloride aerosols. Atmospheric Environment, 1989, 23, 1591-1599.	1.0	167
61	Concentrations, trends and vehicle source profile of polynuclear aromatic hydrocarbons in the U.K. atmosphere. Atmospheric Environment, 1996, 30, 2513-2525.	4.1	166
62	Source apportionment of fine particles at urban background and rural sites in the UK atmosphere. Atmospheric Environment, 2010, 44, 841-851.	4.1	166
63	Traffic and nucleation events as main sources of ultrafine particles in high-insolation developed world cities. Atmospheric Chemistry and Physics, 2015, 15, 5929-5945.	4.9	161
64	Measurements of the physical properties of particles in the urban atmosphere. Atmospheric Environment, 1999, 33, 309-321.	4.1	158
65	The Policy Relevance of Wear Emissions from Road Transport, Now and in the Futureâ€"An International Workshop Report and Consensus Statement. Journal of the Air and Waste Management Association, 2013, 63, 136-149.	1.9	157
66	Pragmatic mass closure study for PM1.0, PM2.5 and PM10 at roadside, urban background and rural sites. Atmospheric Environment, 2008, 42, 980-988.	4.1	151
67	Indoorâ€"outdoor relationships of particle number and mass in four European cities. Atmospheric Environment, 2008, 42, 156-169.	4.1	150
68	Intercomparison and evaluation of global aerosol microphysical properties among AeroCom models of a range of complexity. Atmospheric Chemistry and Physics, 2014, 14, 4679-4713.	4.9	148
69	Boundary layer dynamics over London, UK, as observed using Doppler lidar during REPARTEE-II. Atmospheric Chemistry and Physics, 2011, 11, 2111-2125.	4.9	140
70	High nitrate, muddy estuaries as nitrogen sinks:the nitrogen budget of the River Colne estuary (United) Tj ETQq0 0 0 rgBT /Overlock 10	1.9	139
71	A study on the relationship between mass concentrations, chemistry and number size distribution of urban fine aerosols in Milan, Barcelona and London. Atmospheric Chemistry and Physics, 2007, 7, 2217-2232.	4.9	138
72	Comparative receptor modelling study of airborne particulate pollutants in Birmingham (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	4.1	136

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73	N2O, NO and NO2 fluxes from a grassland: Effect of soil pH. Soil Biology and Biochemistry, 1997, 29, 1199-1208.	8.8	135
74	A pragmatic mass closure model for airborne particulate matter at urban background and roadside sites. Atmospheric Environment, 2003, 37, 4927-4933.	4.1	135
75	Source apportionment of polycyclic aromatic hydrocarbons in urban air using positive matrix factorization and spatial distribution analysis. Atmospheric Environment, 2013, 79, 271-285.	4.1	135
76	A review of chemical and physical characterisation of atmospheric metallic nanoparticles. Atmospheric Environment, 2014, 94, 353-365.	4.1	134
77	Non-exhaust vehicle emissions of particulate matter and VOC from road traffic: A review. Atmospheric Environment, 2021, 262, 118592.	4.1	133
78	The use of trajectory cluster analysis to examine the long-range transport of secondary inorganic aerosol in the UK. Atmospheric Environment, 2005, 39, 6686-6695.	4.1	132
79	Toxic metals in street and household dusts. Science of the Total Environment, 1979, 11, 89-97.	8.0	131
80	Evidence for a surface source of atmospheric nitrous acid. Atmospheric Environment, 1994, 28, 1089-1094.	4.1	131
81	A review of receptor modelling of industrially emitted particulate matter. Atmospheric Environment, 2014, 97, 109-120.	4.1	131
82	Analysis of the air pollution climate at a central urban background site. Atmospheric Environment, 2010, 44, 2004-2012.	4.1	127
83	Regression modelling of hourly NOx and NO2 concentrations in urban air in London. Atmospheric Environment, 1997, 31, 4081-4094.	4.1	125
84	Estimation of particle resuspension source strength on a major London Road. Atmospheric Environment, 2007, 41, 8007-8020.	4.1	125
85	Source apportionment of fine and coarse particles at a roadside and urban background site in London during the 2012 summer ClearfLo campaign. Environmental Pollution, 2017, 220, 766-778.	7.5	125
86	Climate factors influencing bacterial count in background air samples. International Journal of Biometeorology, 2005, 49, 167-178.	3.0	124
87	Atmospheric chemistry and physics in the atmosphere of a developed megacity (London): an overview of the REPARTEE experiment and its conclusions. Atmospheric Chemistry and Physics, 2012, 12, 3065-3114.	4.9	124
88	Spatial variation of particle number and mass over four European cities. Atmospheric Environment, 2007, 41, 6622-6636.	4.1	122
89	Measurement of number, mass and size distribution of particles in the atmosphere. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2000, 358, 2567-2580.	3.4	121
90	Coastal new particle formation: Environmental conditions and aerosol physicochemical characteristics during nucleation bursts. Journal of Geophysical Research, 2002, 107, PAR 12-1.	3.3	121

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91	Observations of new particle formation in urban air. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	121
92	Analysis of atmospheric concentrations of quinones and polycyclic aromatic hydrocarbons in vapour and particulate phases. Atmospheric Environment, 2013, 77, 974-982.	4.1	121
93	Cluster Analysis of Rural, Urban, and Curbside Atmospheric Particle Size Data. Environmental Science & Technology, 2009, 43, 4694-4700.	10.0	118
94	Sources and processes affecting carbonaceous aerosol in central England. Atmospheric Environment, 2008, 42, 1413-1423.	4.1	117
95	New directions: Air pollution challenges for developing megacities like Delhi. Atmospheric Environment, 2015, 122, 657-661.	4.1	117
96	Temporal Trends, Temperature Dependence, and Relative Reactivity of Atmospheric Polycyclic Aromatic Hydrocarbons. Environmental Science & Technology, 2001, 35, 2264-2267.	10.0	116
97	Personal exposures to airborne metals in London taxi drivers and office workers in 1995 and 1996. Science of the Total Environment, 1999, 235, 253-260.	8.0	115
98	Concentrations of particulate airborne polycyclic aromatic hydrocarbons and metals collected in Lahore, Pakistan. Atmospheric Environment, 1996, 30, 4031-4040.	4.1	114
99	Real-time secondary aerosol formation during a fog event in London. Atmospheric Chemistry and Physics, 2009, 9, 2459-2469.	4.9	114
100	Global analysis of continental boundary layer new particle formation based on long-term measurements. Atmospheric Chemistry and Physics, 2018, 18, 14737-14756.	4.9	113
101	Analysis of incidence of childhood cancer in the West Midlands of the United Kingdom in relation to proximity to main roads and petrol stations. Occupational and Environmental Medicine, 1999, 56, 774-780.	2.8	111
102	Chemical characterisation of single airborne particles in Athens (Greece) by ATOFMS. Atmospheric Environment, 2006, 40, 7614-7631.	4.1	111
103	The wind speed dependence of the concentrations of airborne particulate matter and NOx. Atmospheric Environment, 2010, 44, 1682-1690.	4.1	111
104	On-road traffic emissions of polycyclic aromatic hydrocarbons and their oxy- and nitro- derivative compounds measured in road tunnel environments. Science of the Total Environment, 2016, 566-567, 1131-1142.	8.0	111
105	Isotopic signatures suggest important contributions from recycled gasoline, road dust and non-exhaust traffic sources for copper, zinc and lead in PM10 in London, United Kingdom. Atmospheric Environment, 2017, 165, 88-98.	4.1	111
106	Field intercomparison of filter pack and denuder sampling methods for reactive gaseous and particulate pollutants. Atmospheric Environment Part A General Topics, 1990, 24, 2633-2640.	1.3	110
107	Ultrafine particles and PM2.5 in the air of cities around the world: Are they representative of each other?. Environment International, 2019, 129, 118-135.	10.0	110
108	The highway as a source of water pollution: An appraisal with the heavy metal lead. Water Research, 1977, 11, 1-11.	11.3	109

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109	Measurement and modelling of air pollution and atmospheric chemistry in the U.K. West Midlands conurbation: Overview of the PUMA Consortium project. Science of the Total Environment, 2006, 360, 5-25.	8.0	109
110	Effect of inhaled sulphur dioxide and carbon particles on heart rate variability and markers of inflammation and coagulation in human subjects. Heart, 2006, 92, 220-227.	2.9	109
111	Quantitative interpretation of divergence between PM10 and PM2.5 mass measurement by TEOM and gravimetric (Partisol) instruments. Atmospheric Environment, 2004, 38, 415-423.	4.1	108
112	The assessment of air and soil as contributors of some trace metals to vegetable plants I. Use of a filtered air growth cabinet. Science of the Total Environment, 1989, 83, 13-34.	8.0	107
113	Biogenic sulphur emissions and inferred non-sea-salt-sulphate cloud condensation nuclei in and around Antarctica. Journal of Geophysical Research, 1997, 102, 12839-12854.	3.3	107
114	The measurement and interpretation of ratios in airborne particles. Atmospheric Environment, 1983, 17, 311-328.	1.0	106
115	The spatial distribution and particle size of some inorganic nitrogen, sulphur and chlorine species over the North Sea. Atmospheric Environment Part A General Topics, 1992, 26, 1689-1699.	1.3	106
116	Increased Oxidative Burden Associated with Traffic Component of Ambient Particulate Matter at Roadside and Urban Background Schools Sites in London. PLoS ONE, 2011, 6, e21961.	2.5	106
117	Source apportionment of particle number size distribution in urban background and traffic stations in four European cities. Environment International, 2020, 135, 105345.	10.0	106
118	Meteorology, Air Quality, and Health in London: The ClearfLo Project. Bulletin of the American Meteorological Society, 2015, 96, 779-804.	3.3	105
119	Associations between three specific a-cellular measures of the oxidative potential of particulate matter and markers of acute airway and nasal inflammation in healthy volunteers. Occupational and Environmental Medicine, 2015, 72, 49-56.	2.8	105
120	Four-year assessment of ambient particulate matter and trace gases in the Delhi-NCR region of India. Sustainable Cities and Society, 2020, 54, 102003.	10.4	105
121	Polynuclear aromatic hydrocarbons in raw, potable and waste waters. Water Research, 1975, 9, 331-346.	11.3	104
122	Municipal incinerator as source of polynuclear aromatic hydrocarbons in environment. Environmental Science & Technology, 1976, 10, 451-453.	10.0	103
123	PM10 and PM2.5 emission factors for non-exhaust particles from road vehicles: Dependence upon vehicle mass and implications for battery electric vehicles. Atmospheric Environment, 2021, 244, 117886.	4.1	102
124	Particle size distribution from a modern heavy duty diesel engine. Science of the Total Environment, 1999, 235, 305-317.	8.0	101
125	The effect of sulphur dioxide exposure on indices of heart rate variability in normal and asthmatic adults. European Respiratory Journal, 2001, 17, 604-608.	6.7	101
126	Arctic sea ice melt leads to atmospheric new particle formation. Scientific Reports, 2017, 7, 3318.	3.3	101

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127	Remarkable dynamics of nanoparticles in the urban atmosphere. Atmospheric Chemistry and Physics, 2011, 11, 6623-6637.	4.9	100
128	New Directions: Why are PM10 concentrations in Europe not falling?. Atmospheric Environment, 2008, 42, 603-606.	4.1	98
129	A scheme for the physico-chemical speciation of trace metals in freshwater samples. Science of the Total Environment, 1981, 19, 59-82.	8.0	97
130	Preliminary Estimates of Nanoparticle Number Emissions from Road Vehicles in Megacity Delhi and Associated Health Impacts. Environmental Science & Technology, 2011, 45, 5514-5521.	10.0	97
131	The influence of oddâ€"even car trial on fine and coarse particles in Delhi. Environmental Pollution, 2017, 225, 20-30.	7.5	97
132	Comparison of methods for evaluation of wood smoke and estimation of UK ambient concentrations. Atmospheric Chemistry and Physics, 2012, 12, 8271-8283.	4.9	96
133	The PM 10 fraction of road dust in the UK and India: Characterization, source profiles and oxidative potential. Science of the Total Environment, 2015, 530-531, 445-452.	8.0	96
134	Hypernutrified estuaries as sources of N2O emission to the atmosphere:the estuary of the River Colne, Essex, UK. Marine Ecology - Progress Series, 1998, 164, 59-71.	1.9	96
135	Particulate Oxidative Burden Associated with Firework Activity. Environmental Science & Technology, 2010, 44, 8295-8301.	10.0	95
136	Introduction to the special issue â€œIn-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing)â€• Atmospheric Chemistry and Physics, 2019, 19, 7519-7546.	4.9	95
137	A Review of Road Traffic-Derived Non-Exhaust Particles: Emissions, Physicochemical Characteristics, Health Risks, and Mitigation Measures. Environmental Science & Technology, 2022, 56, 6813-6835.	10.0	95
138	Interpretation of particulate elemental and organic carbon concentrations at rural, urban and kerbside sites. Atmospheric Environment, 2005, 39, 7114-7126.	4.1	93
139	Environmental and biological monitoring of exposures to PAHs and ETS in the general population. Environment International, 2010, 36, 763-771.	10.0	92
140	Mass and number size distributions of particulate matter components: Comparison of an industrial site and an urban background site. Science of the Total Environment, 2014, 475, 29-38.	8.0	92
141	Chemical speciation of lead compounds in street dusts. Environmental Science & Technology, 1980, 14, 336-339.	10.0	91
142	Point sources of air pollution. Occupational Medicine, 2005, 55, 425-431.	1.4	91
143	The chemical composition of highway drainage waters I. Major ions and selected trace metals. Science of the Total Environment, 1985, 43, 63-77.	8.0	90
144	Indoor/outdoor relationships of organic carbon (OC) and elemental carbon (EC) in PM2.5 in roadside environment of Hong Kong. Atmospheric Environment, 2004, 38, 6327-6335.	4.1	90

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145	Particulate matter air pollution and respiratory symptoms in individuals having either asthma or chronic obstructive pulmonary disease: a European multicentre panel study. Environmental Health, 2012, 11, 75.	4.0	89
146	Seasonal and diurnal variations of BTEX and their potential for ozone formation in the urban background atmosphere of the coastal city Jeddah, Saudi Arabia. Air Quality, Atmosphere and Health, 2014, 7, 467-480.	3.3	88
147	Atmospheric chemistry of automotive lead. Environmental Science & Technology, 1979, 13, 558-565.	10.0	87
148	Receptor modelling of both particle composition and size distribution from a background site in London, UK. Atmospheric Chemistry and Physics, 2015, 15, 10107-10125.	4.9	87
149	The chemical composition of airborne particles in the UK atmosphere. Science of the Total Environment, 1995, 168, 195-214.	8.0	86
150	A Study of the Size Distributions and the Chemical Characterization of Airborne Particles in the Vicinity of a Large Integrated Steelworks. Aerosol Science and Technology, 2008, 42, 981-991.	3.1	86
151	The balance of heavy metals through a sewage treatment works I. Lead, cadmium and copper. Science of the Total Environment, 1979, 12, 13-23.	8.0	85
152	Dry deposition of ozone: some measurements ofdeposition velocity and of vertical profiles to 100 metres. Atmospheric Environment, 1985, 19, 1807-1818.	1.0	85
153	Primary and secondary marine organic aerosols over the North Atlantic Ocean during the MAP experiment. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	85
154	On the spatial distribution and evolution of ultrafine particles in Barcelona. Atmospheric Chemistry and Physics, 2013, 13, 741-759.	4.9	85
155	Characterization and source apportionment of carbonaceous PM2.5 particles in China - A review. Atmospheric Environment, 2018, 189, 187-212.	4.1	85
156	Relationship of personal exposure to volatile organic compounds to home, work and fixed site outdoor concentrations. Science of the Total Environment, 2011, 409, 478-488.	8.0	84
157	Vapour pressure of ammonium chloride aerosol: Effect of temperature and humidity. Atmospheric Environment, 1987, 21, 2711-2715.	1.0	83
158	Polynuclear Aromatic Hydrocarbon Concentrations in Road Dust and Soil Samples Collected in the United Kingdom and Pakistan. Environmental Technology (United Kingdom), 1995, 16, 45-53.	2.2	82
159	Roadside and in-vehicle concentrations of monoaromatic hydrocarbons. Atmospheric Environment, 1999, 33, 191-204.	4.1	82
160	Real time chemical characterization of local and regional nitrate aerosols. Atmospheric Chemistry and Physics, 2009, 9, 3709-3720.	4.9	82
161	Variation of the mixing state of Saharan dust particles with atmospheric transport. Atmospheric Environment, 2010, 44, 3135-3146.	4.1	82
162	Lead Pollution. , 1981, , .		81

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163	Ammonia surface-exchange above an agricultural field in Southeast England. Atmospheric Environment, 1996, 30, 109-118.	4.1	80
164	An evaluation of some issues regarding the use of aethalometers to measure woodsmoke concentrations. Atmospheric Environment, 2013, 80, 540-548.	4.1	79
165	Tropospheric concentrations of the hydroxyl radicalâ€"a review. Atmospheric Environment, 1985, 19, 545-554.	1.0	78
166	The equilibrium of ammonium chloride aerosol with gaseous hydrochloric acid and ammonia under tropospheric conditions. Atmospheric Environment, 1987, 21, 1243-1246.	1.0	78
167	Governing processes for reactive nitrogen compounds in the European atmosphere. Biogeosciences, 2012, 9, 4921-4954.	3.3	77
168	High-time-resolution source apportionment of PM_{2.5} in Beijing with multiple models. Atmospheric Chemistry and Physics, 2019, 19, 6595-6609.	4.9	77
169	The physicochemical speciation of Cd, Pb, Cu, Fe and Mn in the final effluent of a sewage treatment works and its impact on speciation in the receiving river. Water Research, 1981, 15, 1053-1065.	11.3	76
170	The optical properties and morphology of cloud-processed carbonaceous smoke. Journal of Aerosol Science, 1990, 21, 527-538.	3.8	76
171	Levels and Sources of Personal Inhalation Exposure to Volatile Organic Compounds. Environmental Science & Technology, 2002, 36, 5405-5410.	10.0	76
172	Estimation of the emission factors of particle number and mass fractions from traffic at a site where mean vehicle speeds vary over short distances. Atmospheric Environment, 2006, 40, 7125-7137.	4.1	76
173	A large reduction in airborne particle number concentrations at the time of the introduction of â€œsulphur freeâ€•diesel and the London Low Emission Zone. Atmospheric Environment, 2012, 50, 129-138.	4.1	76
174	Sources and contributions of wood smoke during winter in London: assessing local and regional influences. Atmospheric Chemistry and Physics, 2015, 15, 3149-3171.	4.9	76
175	The use of physical separation techniques in trace metal speciation studies. Water Research, 1983, 17, 723-733.	11.3	75
176	What are the sources and conditions responsible for exceedences of the 24h PM10 limit value (50Î¼gmâˆ'3) at a heavily trafficked London site?. Atmospheric Environment, 2007, 41, 1960-1975.	4.1	75
177	Processes affecting concentrations of fine particulate matter (PM2.5) in the UK atmosphere. Atmospheric Environment, 2012, 46, 115-124.	4.1	75
178	Using atmospheric measurements of PAH and quinone compounds at roadside and urban background sites to assess sources and reactivity. Atmospheric Environment, 2013, 77, 24-35.	4.1	75
179	Physical properties and lung deposition of particles emitted from five major indoor sources. Air Quality, Atmosphere and Health, 2017, 10, 1-14.	3.3	75
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