Mauro Masiol

List of Publications by Citations

72 papers	2,335 citations	30 h-index	46 g-index
82 ext. papers	2,780 ext. citations	6.5 avg, IF	5.41 L-index

#	Paper	IF	Citations
72	Aircraft engine exhaust emissions and other airport-related contributions to ambient air pollution: A review. *Atmospheric Environment*, **2014**, 95, 409-455	5.3	225
71	Factors determining the formation of secondary inorganic aerosol: a case study in the Po Valley (Italy). *Atmospheric Chemistry and Physics*, **2013**, 13, 1927-1939	6.8	143
70	Carcinogenic and mutagenic risk associated to airborne particle-phase polycyclic aromatic hydrocarbons: A source apportionment. *Atmospheric Environment*, **2012**, 60, 375-382	5.3	128
69	A procedure to assess local and long-range transport contributions to PM2.5 and secondary inorganic aerosol. *Journal of Aerosol Science*, **2012**, 46, 64-76	4.3	76
68	Thirteen years of air pollution hourly monitoring in a large city: potential sources, trends, cycles and effects of car-free days. *Science of the Total Environment*, **2014**, 494-495, 84-96	10.2	70
67	Thirty-year changes (1970 to 2000) in bathymetry and sediment texture recorded in the Lagoon of Venice sub-basins, Italy. *Marine Geology*, **2009**, 258, 115-125	3.3	69
66	PM2.5 and gaseous pollutants in New York State during 2005–2016: Spatial variability, temporal trends, and economic influences. *Atmospheric Environment*, **2018**, 183, 209-224	5.3	62
65	Estimating Hourly Concentrations of PM across a Metropolitan Area Using Low-Cost Particle Monitors. *Sensors*, **2017**, 17,	3.8	56
64	Carbonaceous PM(2.5) and secondary organic aerosol across the Veneto region (NE Italy). *Science of the Total Environment*, **2016**, 542, 172-81	10.2	55
63	The Association between Respiratory Infection and Air Pollution in the Setting of Air Quality Policy and Economic Change. *Annals of the American Thoracic Society*, **2019**, 16, 321-330	4.7	54
62	Source apportionment of PM2.5 chemically speciated mass and particle number concentrations in New York City. *Atmospheric Environment*, **2017**, 148, 215-229	5.3	52
61	Associations between Source-Specific Particulate Matter and Respiratory Infections in New York State Adults. *Environmental Science & Technology*, **2020**, 54, 975-984	10.3	52
60	Application of meteorology-based methods to determine local and external contributions to particulate matter pollution: A case study in Venice (Italy). *Atmospheric Environment*, **2015**, 119, 69-81	5.3	51
59	Source apportionment of PM2.5 at multiple sites in Venice (Italy): Spatial variability and the role of weather. *Atmospheric Environment*, **2014**, 98, 78-88	5.3	49
58	Triggering of cardiovascular hospital admissions by source specific fine particle concentrations in urban centers of New York State. *Environment International*, **2019**, 126, 387-394	12.9	47
57	Characterization of PM10 sources in a coastal area near Venice (Italy): an application of factor-cluster analysis. *Chemosphere*, **2010**, 80, 771-8	8.4	46
56	Factors, origin and sources affecting PM1 concentrations and composition at an urban background site. *Atmospheric Research*, **2016**, 180, 262-273	5.4	44

55	Changes in the acute response of respiratory diseases to PM in New York State from 2005 to 2016. *Science of the Total Environment*, **2019**, 677, 328-339	10.2	42
54	Triggering of cardiovascular hospital admissions by fine particle concentrations in New York state: Before, during, and after implementation of multiple environmental policies and a recession. *Environmental Pollution*, **2018**, 242, 1404-1416	9.3	42
53	Geochemical characterization of PM10 emitted by glass factories in Murano, Venice (Italy). *Chemosphere*, **2008**, 71, 2068-75	8.4	42
52	Source apportionment of particulate matter in a large city of southeastern Po Valley (Bologna, Italy). *Environmental Science and Pollution Research*, **2014**, 21, 872-90	5.1	41
51	Seasonal trends and spatial variations of PM10-bounded polycyclic aromatic hydrocarbons in Veneto Region, Northeast Italy. *Atmospheric Environment*, **2013**, 79, 811-821	5.3	39
50	Air quality across a European hotspot: Spatial gradients, seasonality, diurnal cycles and trends in the Veneto region, NE Italy. *Science of the Total Environment*, **2017**, 576, 210-224	10.2	37
49	Analysis of major air pollutants and submicron particles in New York City and Long Island. *Atmospheric Environment*, **2017**, 148, 203-214	5.3	36
48	Source apportionment of aerosol particles at a European air pollution hot spot using particle number size distributions and chemical composition. *Environmental Pollution*, **2018**, 234, 145-154	9.3	36
47	Spatial, seasonal trends and transboundary transport of PM2.5 inorganic ions in the Veneto region (Northeastern Italy). *Atmospheric Environment*, **2015**, 117, 19-31	5.3	32
46	Hourly land-use regression models based on low-cost PM monitor data. *Environmental Research*, **2018**, 167, 7-14	7.9	32
45	Sources of sub-micrometre particles near a major international airport. *Atmospheric Chemistry and Physics*, **2017**, 17, 12379-12403	6.8	31
44	Determining the influence of different atmospheric circulation patterns on PM10 chemical composition in a source apportionment study. *Atmospheric Environment*, **2012**, 63, 117-124	5.3	31
43	Air pollution at Rochester, NY: Long-term trends and multivariate analysis of upwind SO source impacts. *Science of the Total Environment*, **2018**, 612, 1506-1515	10.2	30
42	A chemometric approach to determine local and regional sources of PM10 and its geochemical composition in a coastal area. *Atmospheric Environment*, **2012**, 54, 127-133	5.3	27
41	Gaseous and PM10-Bound Pollutants Monitored in Three Sites with Differing Environmental Conditions in the Venice Area (Italy). *Water, Air, and Soil Pollution*, **2008**, 195, 161-176	2.6	27
40	A long-term source apportionment of PM2.5 in New York State during 2005–2016. *Atmospheric Environment*, **2018**, 192, 35-47	5.3	27
39	Long-term trends in submicron particle concentrations in a metropolitan area of the northeastern United States. *Science of the Total Environment*, **2018**, 633, 59-70	10.2	26
38	Using a photochemical model to assess the horizontal, vertical and time distribution of PM(2.5) in a complex area: relationships between the regional and local sources and the meteorological conditions. *Science of the Total Environment*, **2013**, 443, 681-91	10.2	26

37	Source apportionment of wide range particle size spectra and black carbon collected at the airport of Venice (Italy). *Atmospheric Environment*, **2016**, 139, 56-74	5.3	25
36	GC-MS analyses and chemometric processing to discriminate the local and long-distance sources of PAHs associated to atmospheric PM2.5. *Environmental Science and Pollution Research*, **2012**, 19, 3142-51	5.1	24
35	Quantification of air quality impacts of London Heathrow Airport (UK) from 2005 to 2012. *Atmospheric Environment*, **2015**, 116, 308-319	5.3	23
34	The size distribution of chemical elements of atmospheric aerosol at a semi-rural coastal site in Venice (Italy). The role of atmospheric circulation. *Chemosphere*, **2015**, 119, 400-406	8.4	23
33	Evaluation of receptor and chemical transport models for PM10 source apportionment. *Atmospheric Environment: X*, **2020**, 5, 100053	2.8	23
32	Long-term trends (2005–2016) of source apportioned PM2.5 across New York State. *Atmospheric Environment*, **2019**, 201, 110-120	5.3	22
31	Herbicides in river water across the northeastern Italy: occurrence and spatial patterns of glyphosate, aminomethylphosphonic acid, and glufosinate ammonium. *Environmental Science and Pollution Research*, **2018**, 25, 24368-24378	5.1	21
30	Rapid dark aging of biomass burning as an overlooked source of oxidized organic aerosol. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 33028-33033	11.5	21
29	Spatial-temporal variations of summertime ozone concentrations across a metropolitan area using a network of low-cost monitors to develop 24 hourly land-use regression models. *Science of the Total Environment*, **2019**, 654, 1167-1178	10.2	20
28	Civil aviation, air pollution and human health. *Environmental Research Letters*, **2015**, 10, 041001	6.2	18
27	Hybrid multiple-site mass closure and source apportionment of PM and aerosol acidity at major cities in the Po Valley. *Science of the Total Environment*, **2020**, 704, 135287	10.2	18
26	Interannual heavy element and nutrient concentration trends in the top sediments of Venice Lagoon (Italy). *Marine Pollution Bulletin*, **2014**, 89, 49-58	6.7	17
25	Changes in the hospitalization and ED visit rates for respiratory diseases associated with source-specific PM in New York State from 2005 to 2016. *Environmental Research*, **2020**, 181, 108912	7.9	17
24	Long-Term Changes of Source Apportioned Particle Number Concentrations in a Metropolitan Area of the Northeastern United States. *Atmosphere*, **2019**, 10, 27	2.7	16
23	The PM2.5 chemical composition in an industrial zone included in a large urban settlement: main sources and local background. *Environmental Sciences: Processes and Impacts*, **2014**, 16, 1913-22	4.3	16
22	Airborne Dioxins, Furans, and Polycyclic Aromatic Hydrocarbons Exposure to Military Personnel in Iraq. *Journal of Occupational and Environmental Medicine*, **2016**, 58, S22-30	2	15
21	Estimation of local and external contributions of biomass burning to PM in an industrial zone included in a large urban settlement. *Environmental Science and Pollution Research*, **2017**, 24, 2100-2115	5.1	15
20	Elemental characterization, sources and wind dependence of PM1 near Venice, Italy. *Atmospheric Research*, **2014**, 143, 371-379	5.4	14

19	Potential sources and meteorological factors affecting PM-bound polycyclic aromatic hydrocarbon levels in six main cities of northeastern Italy: an assessment of the related carcinogenic and mutagenic risks. *Environmental Science and Pollution Research*, **2018**, 25, 31987-32000	5.1	13
18	Source Apportionment of Airborne Dioxins, Furans, and Polycyclic Aromatic Hydrocarbons at a United States Forward Operating Air Base During the Iraq War. *Journal of Occupational and Environmental Medicine*, **2016**, 58, S31-7	2	11
17	Performance Evaluation of Two 25 kW Residential Wood Pellet Boiler Heating Systems. *Energy & Fuels*, **2017**, 31, 12174-12182	4.1	9
16	The dark side of the tradition: the polluting effect of Epiphany folk fires in the eastern Po Valley (Italy). *Science of the Total Environment*, **2014**, 473-474, 549-64	10.2	8
15	Harmful Elements in Estuarine and Coastal Systems **2014**, 37-83		8
14	Evaluation and Field Calibration of a Low-Cost Ozone Monitor at a Regulatory Urban Monitoring Station. *Aerosol and Air Quality Research*, **2018**, 18, 2029-2037	4.6	8
13	Using a hybrid approach to apportion potential source locations contributing to excess cancer risk of PM-bound PAHs during heating and non-heating periods in a megacity in the Middle East. *Environmental Research*, **2021**, 201, 111617	7.9	7
12	Neurodegenerative hospital admissions and long-term exposure to ambient fine particle air pollution. *Annals of Epidemiology*, **2021**, 54, 79-86.e4	6.4	6
11	Changes in triggering of ST-elevation myocardial infarction by particulate air pollution in Monroe County, New York over time: a case-crossover study. *Environmental Health*, **2019**, 18, 82	6	5
10	Term birth weight and ambient air pollutant concentrations during pregnancy, among women living in Monroe County, New York. *Journal of Exposure Science and Environmental Epidemiology*, **2019**, 29, 500-509	6.7	5
9	Differential Probability Functions for Investigating Long-term Changes in Local and Regional Air Pollution Sources. *Aerosol and Air Quality Research*, **2019**, 19, 724-736	4.6	5
8	Factors determining the formation of secondary inorganic aerosol: a case study in the Po Valley (Italy) **2012**,		4
7	A procedure to evaluate the factors determining the elemental composition of PM. Case study: the Veneto region (northeastern Italy). *Environmental Science and Pollution Research*, **2018**, 25, 3823-3839	5.1	4
6	PM-bound arsenic emissions from the artistic glass industry in Murano (Venice, Italy) before and after the enforcement of REACH authorisation. *Journal of Hazardous Materials*, **2021**, 406, 124294	12.8	3
5	Chemical analyses of spring waters and factor analysis to monitor the functioning of a karstic system. The role of precipitations regimen and anthropic pressures. *Journal of Environmental Monitoring*, **2011**, 13, 2543-9		2
4	Development of algebra algorithms for automated generation of grain-size distribution maps. *Earth Surface Processes and Landforms*, **2007**, 32, 1116-1127	3.7	2
3	Spatial distribution and interannual trends of ^{18}O, ^{2}H, and deuterium excess in precipitation across North-Eastern Italy. *Journal of Hydrology*, **2021**, 598, 125749	6	2
2	An integrated analytical approach using ion chromatography, PIXE and electron microscopy to point out the differences in composition of PM10 individual particles **2013**,		1

1 The use of phosphonates in agriculture. Chemical, biological properties and legislative issues. *Chemosphere*, **2021**, 283, 131187 8.4 1