

Mauro Masiol

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.

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	Neurodegenerative hospital admissions and long-term exposure to ambient fine particle air pollution. <i>Annals of Epidemiology</i> , 2021 , 54, 79-86.e4	6.4	6
71	Spatial distribution and interannual trends of $\delta^{18}\text{O}$, $\delta^2\text{H}$, and deuterium excess in precipitation across North-Eastern Italy. <i>Journal of Hydrology</i> , 2021 , 598, 125749	6	2
70	PM-bound arsenic emissions from the artistic glass industry in Murano (Venice, Italy) before and after the enforcement of REACH authorisation. <i>Journal of Hazardous Materials</i> , 2021 , 406, 124294	12.8	3
69	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. <i>Environmental Research</i> , 2021 , 201, 111617	7.9	7
68	The use of phosphonates in agriculture. Chemical, biological properties and legislative issues. <i>Chemosphere</i> , 2021 , 283, 131187	8.4	1
67	Rapid dark aging of biomass burning as an overlooked source of oxidized organic aerosol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 33028-33033	11.5	21
66	Changes in the hospitalization and ED visit rates for respiratory diseases associated with source-specific PM in New York State from 2005 to 2016. <i>Environmental Research</i> , 2020 , 181, 108912	7.9	17
65	Evaluation of receptor and chemical transport models for PM10 source apportionment. <i>Atmospheric Environment: X</i> , 2020 , 5, 100053	2.8	23
64	Hybrid multiple-site mass closure and source apportionment of PM and aerosol acidity at major cities in the Po Valley. <i>Science of the Total Environment</i> , 2020 , 704, 135287	10.2	18
63	Associations between Source-Specific Particulate Matter and Respiratory Infections in New York State Adults. <i>Environmental Science & Technology</i> , 2020 , 54, 975-984	10.3	52
62	Changes in triggering of ST-elevation myocardial infarction by particulate air pollution in Monroe County, New York over time: a case-crossover study. <i>Environmental Health</i> , 2019 , 18, 82	6	5
61	Long-Term Changes of Source Apportioned Particle Number Concentrations in a Metropolitan Area of the Northeastern United States. <i>Atmosphere</i> , 2019 , 10, 27	2.7	16
60	Changes in the acute response of respiratory diseases to PM in New York State from 2005 to 2016. <i>Science of the Total Environment</i> , 2019 , 677, 328-339	10.2	42
59	Triggering of cardiovascular hospital admissions by source specific fine particle concentrations in urban centers of New York State. <i>Environment International</i> , 2019 , 126, 387-394	12.9	47
58	Term birth weight and ambient air pollutant concentrations during pregnancy, among women living in Monroe County, New York. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019 , 29, 500-509	6.7	5
57	Differential Probability Functions for Investigating Long-term Changes in Local and Regional Air Pollution Sources. <i>Aerosol and Air Quality Research</i> , 2019 , 19, 724-736	4.6	5
56	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. <i>Science of the Total Environment</i> , 2019 , 654, 1167-1178	10.2	20

55	Long-term trends (2005–2016) of source apportioned PM _{2.5} across New York State. <i>Atmospheric Environment</i> , 2019 , 201, 110-120	5.3	22
54	The Association between Respiratory Infection and Air Pollution in the Setting of Air Quality Policy and Economic Change. <i>Annals of the American Thoracic Society</i> , 2019 , 16, 321-330	4.7	54
53	Long-term trends in submicron particle concentrations in a metropolitan area of the northeastern United States. <i>Science of the Total Environment</i> , 2018 , 633, 59-70	10.2	26
52	PM _{2.5} and gaseous pollutants in New York State during 2005–2016: Spatial variability, temporal trends, and economic influences. <i>Atmospheric Environment</i> , 2018 , 183, 209-224	5.3	62
51	Air pollution at Rochester, NY: Long-term trends and multivariate analysis of upwind SO source impacts. <i>Science of the Total Environment</i> , 2018 , 612, 1506-1515	10.2	30
50	Hourly land-use regression models based on low-cost PM monitor data. <i>Environmental Research</i> , 2018 , 167, 7-14	7.9	32
49	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. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 31987-32000	5.1	13
48	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. <i>Environmental Pollution</i> , 2018 , 242, 1404-1416	9.3	42
47	Herbicides in river water across the northeastern Italy: occurrence and spatial patterns of glyphosate, aminomethylphosphonic acid, and glufosinate ammonium. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 24368-24378	5.1	21
46	Evaluation and Field Calibration of a Low-Cost Ozone Monitor at a Regulatory Urban Monitoring Station. <i>Aerosol and Air Quality Research</i> , 2018 , 18, 2029-2037	4.6	8
45	A procedure to evaluate the factors determining the elemental composition of PM. Case study: the Veneto region (northeastern Italy). <i>Environmental Science and Pollution Research</i> , 2018 , 25, 3823-3839	5.1	4
44	Source apportionment of aerosol particles at a European air pollution hot spot using particle number size distributions and chemical composition. <i>Environmental Pollution</i> , 2018 , 234, 145-154	9.3	36
43	A long-term source apportionment of PM _{2.5} in New York State during 2005–2016. <i>Atmospheric Environment</i> , 2018 , 192, 35-47	5.3	27
42	Analysis of major air pollutants and submicron particles in New York City and Long Island. <i>Atmospheric Environment</i> , 2017 , 148, 203-214	5.3	36
41	Performance Evaluation of Two 25 kW Residential Wood Pellet Boiler Heating Systems. <i>Energy & Fuels</i> , 2017 , 31, 12174-12182	4.1	9
40	Estimation of local and external contributions of biomass burning to PM in an industrial zone included in a large urban settlement. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 2100-2115	5.1	15
39	Source apportionment of PM _{2.5} chemically speciated mass and particle number concentrations in New York City. <i>Atmospheric Environment</i> , 2017 , 148, 215-229	5.3	52
38	Air quality across a European hotspot: Spatial gradients, seasonality, diurnal cycles and trends in the Veneto region, NE Italy. <i>Science of the Total Environment</i> , 2017 , 576, 210-224	10.2	37

37	Sources of sub-micrometre particles near a major international airport. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 12379-12403	6.8	31
36	Estimating Hourly Concentrations of PM across a Metropolitan Area Using Low-Cost Particle Monitors. <i>Sensors</i> , 2017 , 17,	3.8	56
35	Source Apportionment of Airborne Dioxins, Furans, and Polycyclic Aromatic Hydrocarbons at a United States Forward Operating Air Base During the Iraq War. <i>Journal of Occupational and Environmental Medicine</i> , 2016 , 58, S31-7	2	11
34	Airborne Dioxins, Furans, and Polycyclic Aromatic Hydrocarbons Exposure to Military Personnel in Iraq. <i>Journal of Occupational and Environmental Medicine</i> , 2016 , 58, S22-30	2	15
33	Source apportionment of wide range particle size spectra and black carbon collected at the airport of Venice (Italy). <i>Atmospheric Environment</i> , 2016 , 139, 56-74	5.3	25
32	Factors, origin and sources affecting PM1 concentrations and composition at an urban background site. <i>Atmospheric Research</i> , 2016 , 180, 262-273	5.4	44
31	Carbonaceous PM(2.5) and secondary organic aerosol across the Veneto region (NE Italy). <i>Science of the Total Environment</i> , 2016 , 542, 172-81	10.2	55
30	Spatial, seasonal trends and transboundary transport of PM2.5 inorganic ions in the Veneto region (Northeastern Italy). <i>Atmospheric Environment</i> , 2015 , 117, 19-31	5.3	32
29	Quantification of air quality impacts of London Heathrow Airport (UK) from 2005 to 2012. <i>Atmospheric Environment</i> , 2015 , 116, 308-319	5.3	23
28	Civil aviation, air pollution and human health. <i>Environmental Research Letters</i> , 2015 , 10, 041001	6.2	18
27	Application of meteorology-based methods to determine local and external contributions to particulate matter pollution: A case study in Venice (Italy). <i>Atmospheric Environment</i> , 2015 , 119, 69-81	5.3	51
26	The size distribution of chemical elements of atmospheric aerosol at a semi-rural coastal site in Venice (Italy). The role of atmospheric circulation. <i>Chemosphere</i> , 2015 , 119, 400-406	8.4	23
25	Elemental characterization, sources and wind dependence of PM1 near Venice, Italy. <i>Atmospheric Research</i> , 2014 , 143, 371-379	5.4	14
24	Source apportionment of PM2.5 at multiple sites in Venice (Italy): Spatial variability and the role of weather. <i>Atmospheric Environment</i> , 2014 , 98, 78-88	5.3	49
23	Thirteen years of air pollution hourly monitoring in a large city: potential sources, trends, cycles and effects of car-free days. <i>Science of the Total Environment</i> , 2014 , 494-495, 84-96	10.2	70
22	The PM2.5 chemical composition in an industrial zone included in a large urban settlement: main sources and local background. <i>Environmental Sciences: Processes and Impacts</i> , 2014 , 16, 1913-22	4.3	16
21	The dark side of the tradition: the polluting effect of Epiphany folk fires in the eastern Po Valley (Italy). <i>Science of the Total Environment</i> , 2014 , 473-474, 549-64	10.2	8
20	Aircraft engine exhaust emissions and other airport-related contributions to ambient air pollution: A review. <i>Atmospheric Environment</i> , 2014 , 95, 409-455	5.3	225

19	Interannual heavy element and nutrient concentration trends in the top sediments of Venice Lagoon (Italy). <i>Marine Pollution Bulletin</i> , 2014 , 89, 49-58	6.7	17
18	Harmful Elements in Estuarine and Coastal Systems 2014 , 37-83		8
17	Source apportionment of particulate matter in a large city of southeastern Po Valley (Bologna, Italy). <i>Environmental Science and Pollution Research</i> , 2014 , 21, 872-90	5.1	41
16	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. <i>Science of the Total Environment</i> , 2013 , 443, 681-91	10.2	26
15	Seasonal trends and spatial variations of PM10-bounded polycyclic aromatic hydrocarbons in Veneto Region, Northeast Italy. <i>Atmospheric Environment</i> , 2013 , 79, 811-821	5.3	39
14	An integrated analytical approach using ion chromatography, PIXE and electron microscopy to point out the differences in composition of PM10 individual particles 2013 ,		1
13	Factors determining the formation of secondary inorganic aerosol: a case study in the Po Valley (Italy). <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 1927-1939	6.8	143
12	A chemometric approach to determine local and regional sources of PM10 and its geochemical composition in a coastal area. <i>Atmospheric Environment</i> , 2012 , 54, 127-133	5.3	27
11	GC-MS analyses and chemometric processing to discriminate the local and long-distance sources of PAHs associated to atmospheric PM2.5. <i>Environmental Science and Pollution Research</i> , 2012 , 19, 3142-51	5.1	24
10	Determining the influence of different atmospheric circulation patterns on PM10 chemical composition in a source apportionment study. <i>Atmospheric Environment</i> , 2012 , 63, 117-124	5.3	31
9	Carcinogenic and mutagenic risk associated to airborne particle-phase polycyclic aromatic hydrocarbons: A source apportionment. <i>Atmospheric Environment</i> , 2012 , 60, 375-382	5.3	128
8	A procedure to assess local and long-range transport contributions to PM2.5 and secondary inorganic aerosol. <i>Journal of Aerosol Science</i> , 2012 , 46, 64-76	4.3	76
7	Factors determining the formation of secondary inorganic aerosol: a case study in the Po Valley (Italy) 2012 ,		4
6	Chemical analyses of spring waters and factor analysis to monitor the functioning of a karstic system. The role of precipitations regimen and anthropic pressures. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 2543-9		2
5	Characterization of PM10 sources in a coastal area near Venice (Italy): an application of factor-cluster analysis. <i>Chemosphere</i> , 2010 , 80, 771-8	8.4	46
4	Thirty-year changes (1970 to 2000) in bathymetry and sediment texture recorded in the Lagoon of Venice sub-basins, Italy. <i>Marine Geology</i> , 2009 , 258, 115-125	3.3	69
3	Geochemical characterization of PM10 emitted by glass factories in Murano, Venice (Italy). <i>Chemosphere</i> , 2008 , 71, 2068-75	8.4	42
2	Gaseous and PM10-Bound Pollutants Monitored in Three Sites with Differing Environmental Conditions in the Venice Area (Italy). <i>Water, Air, and Soil Pollution</i> , 2008 , 195, 161-176	2.6	27

- ¹ Development of algebra algorithms for automated generation of grain-size distribution maps.
Earth Surface Processes and Landforms, **2007**, 32, 1116-1127 3·7 2