Bruno Pavoni

List of Publications by Year in Descending Order

116 papers	3,947 citations	39 h-index	56 g-index
117 ext. papers	4,292 ext. citations	6.4 avg, IF	5.25 L-index

#	Paper	IF	Citations
116	Neurodegenerative hospital admissions and long-term exposure to ambient fine particle air pollution. *Annals of Epidemiology*, **2021**, 54, 79-86.e4	6.4	6
115	A one-year monitoring of spatiotemporal variations of PM-bound PAHs in Tehran, Iran: Source apportionment, local and regional sources origins and source-specific cancer risk assessment. *Environmental Pollution*, **2021**, 274, 115883	9.3	21
114	Single-site source apportionment modeling of PM2.5-bound PAHs in the Tehran metropolitan area, Iran: Implications for source-specific multi-pathway cancer risk assessment. *Urban Climate*, **2021**, 39, 100928	6.8	3
113	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
112	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
111	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
110	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
109	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
108	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
107	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
106	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
105	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
104	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
103	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
102	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
101	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
100	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

99	Influence of seasonality, air mass origin and particulate matter chemical composition on airborne bacterial community structure in the Po Valley, Italy. *Science of the Total Environment*, **2017**, 593-594, 677-687	10.2	56
98	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
97	Urban air quality in a mid-size city PM2.5 composition, sources and identification of impact areas: From local to long range contributions. *Atmospheric Research*, **2017**, 186, 51-62	5.4	46
96	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
95	Factors, origin and sources affecting PM1 concentrations and composition at an urban background site. *Atmospheric Research*, **2016**, 180, 262-273	5.4	44
94	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
93	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
92	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
91	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
90	Organotin compounds in surface sediments of the Southern Baltic coastal zone: a study on the main factors for their accumulation and degradation. *Environmental Science and Pollution Research*, **2014**, 21, 2077-2087	5.1	41
89	Elemental characterization, sources and wind dependence of PM1 near Venice, Italy. *Atmospheric Research*, **2014**, 143, 371-379	5.4	14
88	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
87	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
86	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
85	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
84	Secondary inorganic aerosol evaluation: Application of a transport chemical model in the eastern part of the Po Valley. *Atmospheric Environment*, **2014**, 98, 202-213	5.3	6
83	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
82	Harmful Elements in Estuarine and Coastal Systems **2014**, 37-83		8

81	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
80	WATERBUS: A model to estimate boats emissions in water cities *Transportation Research, Part D: Transport and Environment*, **2013**, 23, 73-80	6.4	3
79	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
78	An integrated analytical approach using ion chromatography, PIXE and electron microscopy to point out the differences in composition of PM10 individual particles **2013**,		1
77	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
76	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
75	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
74	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
73	Carcinogenic and mutagenic risk associated to airborne particle-phase polycyclic aromatic hydrocarbons: A source apportionment. *Atmospheric Environment*, **2012**, 60, 375-382	5.3	128
72	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
71	Organotin compounds in surface sediments from seaports on the Gulf of Gdask (southern Baltic coast). *Environmental Monitoring and Assessment*, **2011**, 182, 455-66	3.1	27
70	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
69	Periwinkle (Littorina littorea) as a sentinel species: a field study integrating chemical and biological analyses. *Environmental Science & Technology*, **2011**, 45, 2634-40	10.3	14
68	Winter to spring variations of chromophoric dissolved organic matter in a temperate estuary (Po River, northern Adriatic Sea). *Marine Environmental Research*, **2010**, 70, 73-81	3.3	24
67	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
66	Determination of chlorinated organic compounds in aqueous matrices **2009**, 58, 405-415		
65	Time trend of butyl- and phenyl-tin contamination in organisms of the Lagoon of Venice (1999-2003). *Environmental Monitoring and Assessment*, **2009**, 152, 35-45	3.1	12
64	Analysis of annual fluctuations of C. nodosa in the Venice lagoon: Modeling approach. *Ecological Modelling*, **2008**, 216, 134-144	3	3

63	Geochemical characterization of PM10 emitted by glass factories in Murano, Venice (Italy). *Chemosphere*, **2008**, 71, 2068-75	8.4	42
62	New implications in the use of imposex as a suitable tool for tributyltin contamination: experimental induction in Hexaplex trunculus (Gastropoda, Muricidae) with different stressors. *Cell Biology and Toxicology*, **2008**, 24, 563-71	7.4	12
61	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
60	Imposex and accumulation of organotin compounds in populations of Hexaplex trunculus (Gastropoda, Muricidae) from the Lagoon of Venice (Italy) and Istrian Coast (Croatia). *Marine Pollution Bulletin*, **2007**, 54, 615-22	6.7	20
59	Imposex levels and concentrations of organotin compounds (TBT and its metabolites) in Nassarius nitidus from the Lagoon of Venice. *Marine Pollution Bulletin*, **2007**, 55, 505-11	6.7	26
58	CONTAMINATION IN MYTILUS GALLOPROVINCIALIS BY CHLORINATED HYDROCARBONS (PCBS AND PESTICIDES), PAHS AND HEAVY METALS IN THE LAGOON OF VENICE. *Polycyclic Aromatic Compounds*, **2007**, 27, 437-459	1.3	18
57	The changing state of contamination in the Lagoon of Venice. Part 2: heavy metals. *Chemosphere*, **2006**, 64, 1334-45	8.4	53
56	Assessment of organic chlorinated compound removal from aqueous matrices by adsorption on activated carbon. *Water Research*, **2006**, 40, 3571-9	12.5	40
55	Organochlorine compounds (polychlorinated biphenyls and pesticides) and polycyclic aromatic hydrocarbons in populations of Hexaplex trunculus affected by imposex in the lagoon of Venice, Italy. *Environmental Toxicology and Chemistry*, **2006**, 25, 486-95	3.8	14
54	Imposex in Hexaplex trunculus at Some Sites on the North Mediterranean Coast as a Base-Line for Future Evaluation of the Effectiveness of the Total Ban on Organotin based Antifouling Paints. *Hydrobiologia*, **2006**, 555, 281-287	2.4	17
53	The changing state of contamination in the Lagoon of Venice. Part 1: organic pollutants. *Chemosphere*, **2005**, 58, 279-90	8.4	77
52	An in vitro study of the interaction of sea-nine with rat liver mitochondria. *Environmental Toxicology and Chemistry*, **2005**, 24, 1074-8	3.8	14
51	Heavy metal contamination in compost. A possible solution. *Annali Di Chimica*, **2005**, 95, 247-56		17
50	Concentrations of organotin compounds and imposex in the gastropod Hexaplex trunculus from the Lagoon of Venice. *Science of the Total Environment*, **2004**, 332, 89-100	10.2	39
49	Marine sediment contamination of an industrial site at Port of Bagnoli, Gulf of Naples, Southern Italy. *Marine Pollution Bulletin*, **2004**, 49, 487-95	6.7	100
48	Geochemistry of sediments in the Northern and Central Adriatic Sea. *Estuarine, Coastal and Shelf Science*, **2004**, 59, 429-440	2.9	44
47	FT-IR spectroscopy and chemometrics as a useful approach for determining chemical-physical properties of gasoline, by minimizing analytical times and sample handling. *Annali Di Chimica*, **2004**, 94, 521-32		6
46	Organic micropollutants (PAHs, PCBs, pesticides) in seaweeds of the lagoon of Venice. *Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie*, **2003**, 26, 585-596		43

45	Self-purification ability of a resurgence stream. *Chemosphere*, **2003**, 52, 1781-95	8.4	37
44	Heavy metal contamination in the seaweeds of the Venice lagoon. *Chemosphere*, **2002**, 47, 443-54	8.4	110
43	Macrofauna impact on Ulva rigida C. Ag. production and relationship with environmental variables in the lagoon of Venice. *Marine Environmental Research*, **2001**, 52, 27-49	3.3	28
42	A simulation model for the annual fluctuation of Zostera marina biomass in the Venice lagoon. *Aquatic Botany*, **2001**, 70, 135-150	1.8	28
41	Environmental and biological monitoring of occupational exposure to organic micropollutants in gasoline. *Chemosphere*, **2001**, 44, 67-82	8.4	13
40	Biochemical and histochemical responses to environmental contaminants in clam, Tapes philippinarum, transplanted to different polluted areas of Venice Lagoon, Italy. *Marine Environmental Research*, **2000**, 50, 425-30	3.3	39
39	Micropollutants and organic carbon concentrations in surface and deep sediments in the Tunisian coast near the city of Sousse. *Marine Environmental Research*, **2000**, 49, 177-96	3.3	8
38	Correlation between inorganic (heavy metals) and organic (PCBs and PAHs) micropollutant concentrations during sewage sludge composting processes. *Chemosphere*, **2000**, 41, 427-35	8.4	97
37	Clam Transplantation and Stress-Related Biomarkers as Useful Tools for Assessing Water Quality in Coastal Environments. *Marine Pollution Bulletin*, **1999**, 39, 255-260	6.7	43
36	Gas chromatographic determination of organic micropollutants in samples of sewage sludge and compost: Behaviour of PCB and PAH during composting. *Chemosphere*, **1999**, 38, 1925-1935	8.4	35
35	Sediment toxicity measured using Vibrio fischeri as related to the concentrations of organic (PCBs, PAHs) and inorganic (metals, sulphur) pollutants. *Chemosphere*, **1998**, 36, 2949-2968	8.4	60
34	. *Environmental Toxicology and Chemistry*, **1998**, 17, 655	3.8	4
33	Pollutant Exchange at the Water/Sediment Interface in the Venice Canals. *Water, Air, and Soil Pollution*, **1997**, 99, 255-263	2.6	
32	Immobilized Enzymes and Heavy Metals in Sediments of Venice Internal Canals. *Environmental Technology (United Kingdom)*, **1995**, 16, 765-774	2.6	5
31	Nutrient distributions in the surface sediment of the central lagoon of Venice. *Science of the Total Environment*, **1995**, 172, 21-35	10.2	22
30	Gracilaria distribution, production and composition in the Lagoon of Venice. *Bioresource Technology* , **1994**, 50, 165-173	11	11
29	Annual nutrient exchanges between the central lagoon of Venice and the northern Adriatic Sea. *Science of the Total Environment*, **1994**, 156, 77-92	10.2	18
28	Macroalgae and phytoplankton competition in the central Venice lagoon. *Environmental Technology (United Kingdom)*, **1994**, 15, 1-14	2.6	64

27	Species composition, biomass, and net primary production in shallow coastal waters: The Venice lagoon. *Bioresource Technology*, **1993**, 44, 235-249	11	58
26	Concentrations of polychlorinated biphenyls and pesticides in different species of macroalgae from the Venice Lagoon. *Marine Pollution Bulletin*, **1993**, 26, 553-558	6.7	27
25	Particulate matter deposition and nutrient fluxes onto the sediments of the venice lagoon. *Environmental Technology (United Kingdom)*, **1992**, 13, 473-483	2.6	17
24	Changes in an Estuarine Ecosystem. *ACS Symposium Series*, **1992**, 287-305	0.4	22
23	Macroalgae, nutrient cycles, and pollutants in the Lagoon of Venice. *Estuaries and Coasts*, **1992**, 15, 517		211
22	Sampling strategies for measuring macroalgal biomass in the shallow waters of the Venice lagoon. *Environmental Technology (United Kingdom)*, **1991**, 12, 263-269	2.6	35
21	Quantification of PCBs in Environmental Samples: Comparison of Results Obtained with Different Analytical Instruments (GC-ECD, GC-MS) and Standards. *International Journal of Environmental Analytical Chemistry*, **1991**, 44, 11-20	1.8	16
20	Persistent metabolites of alkylphenol polyethoxylates in the marine environment. *Marine Chemistry* , **1990**, 29, 307-323	3.7	101
19	Influence of waste waters from the city of Venice and the hinterland on the eutrophication of the lagoon. *Science of the Total Environment*, **1990**, 96, 235-252	10.2	14
18	Time trend of PCB concentrations in surface sediments from a hypertrophic, macroalgae populated area of the lagoon of Venice. *Science of the Total Environment*, **1990**, 91, 13-21	10.2	36
17	Macroalgae and phytoplankton standing crops in the central Venice lagoon: Primary production and nutrient balance. *Science of the Total Environment*, **1989**, 80, 139-159	10.2	65
16	Influence of venice lagoon macrofauna on nutrient exchange at the sediment-water interface. *Science of the Total Environment*, **1989**, 86, 223-238	10.2	9
15	Polychlorinated biphenyl pollution caused by resuspension of surface sediments in the lagoon of Venice. *Science of the Total Environment*, **1989**, 79, 111-23	10.2	21
14	Determination of Linear Alkylbenzenesulphonates and Alkylphenol Polyethoxylates in Commercial Products and Marine Waters by Reversed- and Normal-Phase Hplc. *International Journal of Environmental Analytical Chemistry*, **1989**, 35, 207-218	1.8	38
13	PCB effects on production of carbohydrates, lipids and proteins in marine diatom Phaeodactylum tricornutum. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1988**, 91, 409-412		1
12	Annual variations of nutrients in the Lagoon of Venice. *Marine Pollution Bulletin*, **1988**, 19, 54-60	6.7	82
11	Macroinvertebrate communities and sediments as pollution indicators for heavy metals in the river Adige (Italy). *Water Research*, **1988**, 22, 1353-1363	12.5	30
10	Multivariate analysis of heavy metal concentrations in sediments of the lagoon of Venice. *Science of the Total Environment*, **1988**, 77, 189-202	10.2	12

9	Contamination by chlorinated hydrocarbons (DDT, PCBs) in surface sediment and macrobenthos of the river Adige (Italy). *Science of the Total Environment*, **1987**, 65, 21-39	10.2	11
8	Historical development of the Venice lagoon contamination as recorded in radiodated sediment cores. *Marine Pollution Bulletin*, **1987**, 18, 18-24	6.7	45
7	Relationships between macroalgal biomass and nutrient concentrations in a hypertrophic area of the Venice Lagoon. *Marine Environmental Research*, **1987**, 22, 297-312	3.3	159
6	Variable wavelength absorption in detecting environmentally relevant PAHs by high-performance liquid chromatography. *Marine Chemistry*, **1987**, 21, 15-23	3.7	11
5	Concentration and flux profiles of PCBs, DDTs and PAHs in a dated sediment core from the lagoon of Venice. *Marine Chemistry*, **1987**, 21, 25-35	3.7	53
4	Combined preparative and analytical use of normal-phase and reversed-phase high-performance liquid chromatography for the determination of aliphatic and polycyclic aromatic hydrocarbons in sediments of the adriatic sea. *Marine Chemistry*, **1986**, 18, 71-84	3.7	22
3	The role of alkaline phosphatase in the sediments of Venice Lagoon on nutrient regeneration. *Estuarine, Coastal and Shelf Science*, **1986**, 22, 425-437	2.9	25
2	Sediments and pollution in the Northern Adriatic Sea: a statistical analysis. *Continental Shelf Research*, **1985**, 4, 321-340	2.4	13
1	Heavy metal contamination in surface sediments from the Gulf of Venice, Italy. *Marine Pollution Bulletin*, **1981**, 12, 417-425	6.7	68