

# Domenico M Cavallo

## List of Publications by Citations

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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.

81  
papers

1,957  
citations

25  
h-index

42  
g-index

94  
ext. papers

2,349  
ext. citations

5.2  
avg, IF

4.52  
L-index

#	Paper	IF	Citations
81	Changes in DNA methylation patterns in subjects exposed to low-dose benzene. <i>Cancer Research</i> , <b>2007</b> , 67, 876-80	10.1	508
80	Association between leukocyte telomere shortening and exposure to traffic pollution: a cross-sectional study on traffic officers and indoor office workers. <i>Environmental Health</i> , <b>2009</b> , 8, 41	6	122
79	VOCs and aldehydes source identification in European office buildings□ The OFFICAIR study. <i>Building and Environment</i> , <b>2017</b> , 115, 18-24	6.5	51
78	Allergens in indoor air: environmental assessment and health effects. <i>Science of the Total Environment</i> , <b>2001</b> , 270, 33-42	10.2	51
77	Airborne particulate matter in school classrooms of northern Italy. <i>International Journal of Environmental Research and Public Health</i> , <b>2014</b> , 11, 1398-421	4.6	48
76	Miniaturized Monitors for Assessment of Exposure to Air Pollutants: A Review. <i>International Journal of Environmental Research and Public Health</i> , <b>2017</b> , 14,	4.6	44
75	Toxicological and immune findings in workers exposed to pentachlorophenol (PCP). <i>Archives of Environmental Health</i> , <b>1993</b> , 48, 81-8		43
74	Multi-metric measurement of personal exposure to ultrafine particles in selected urban microenvironments. <i>Atmospheric Environment</i> , <b>2015</b> , 110, 8-17	5.3	41
73	SYN-JEM: A Quantitative Job-Exposure Matrix for Five Lung Carcinogens. <i>Annals of Occupational Hygiene</i> , <b>2016</b> , 60, 795-811		41
72	Oxidative potential and chemical composition of PM2.5 in office buildings across Europe - The OFFICAIR study. <i>Environment International</i> , <b>2016</b> , 92-93, 324-33	12.9	41
71	Identification of particulate matter determinants in residential homes. <i>Building and Environment</i> , <b>2015</b> , 86, 61-69	6.5	38
70	Modelling of occupational respirable crystalline silica exposure for quantitative exposure assessment in community-based case-control studies. <i>Journal of Environmental Monitoring</i> , <b>2011</b> , 13, 3262-8		38
69	Emission of air pollutants from burning candles with different composition in indoor environments. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 4320-30	5.1	37
68	Emissions of air pollutants from scented candles burning in a test chamber. <i>Atmospheric Environment</i> , <b>2012</b> , 55, 257-262	5.3	33
67	Immunomodulatory effects of occupational exposure to mancozeb. <i>Archives of Environmental Health</i> , <b>1996</b> , 51, 445-51		33
66	COVID-19 Outbreak in Italy: Protecting Worker Health and the Response of the Italian Industrial Hygienists Association. <i>Annals of Work Exposures and Health</i> , <b>2020</b> , 64, 559-564	2.4	31
65	Vertical variation of PM mass and chemical composition, particle size distribution, NO, and BTEX at a high rise building. <i>Environmental Pollution</i> , <b>2018</b> , 235, 339-349	9.3	30

64	Urinary hydroxylated metabolites of polycyclic aromatic hydrocarbons as biomarkers of exposure in asphalt workers. <i>Biomarkers</i> , <b>2007</b> , 12, 221-39	2.6	30
63	Personal carbon monoxide exposure levels: contribution of local sources to exposures and microenvironment concentrations in Milan. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2004</b> , 14, 312-22	6.7	30
62	Short-term particulate matter exposure influences nasal microbiota in a population of healthy subjects. <i>Environmental Research</i> , <b>2018</b> , 162, 119-126	7.9	29
61	Airborne particulate matter and gaseous air pollutants in residential structures in Lodi province, Italy. <i>Indoor Air</i> , <b>2011</b> , 21, 489-500	5.4	29
60	Personal exposure of traffic police officers to particulate matter, carbon monoxide, and benzene in the city of Milan, Italy. <i>Journal of Occupational and Environmental Hygiene</i> , <b>2010</b> , 7, 342-51	2.9	27
59	Development of an exposure measurement database on five lung carcinogens (ExpoSYN) for quantitative retrospective occupational exposure assessment. <i>Annals of Occupational Hygiene</i> , <b>2012</b> , 56, 70-9		27
58	Comparison between Personal and Individual Exposure to Urban Air Pollutants. <i>Aerosol Science and Technology</i> , <b>2010</b> , 44, 370-379	3.4	26
57	Assessment through environmental and biological measurements of total daily exposure to volatile organic compounds of office workers in Milan, Italy. <i>Indoor Air</i> , <b>2000</b> , 10, 258-68	5.4	26
56	Field comparison of instruments for exposure assessment of airborne ultrafine particles and particulate matter. <i>Atmospheric Environment</i> , <b>2017</b> , 154, 274-284	5.3	24
55	Accuracy Evaluation of Three Modelling Tools for Occupational Exposure Assessment. <i>Annals of Work Exposures and Health</i> , <b>2017</b> , 61, 284-298	2.4	24
54	Precision and Accuracy of a Direct-Reading Miniaturized Monitor in PM Exposure Assessment. <i>Sensors</i> , <b>2018</b> , 18,	3.8	24
53	Evaluation of exposure to PAHs in asphalt workers by environmental and biological monitoring. <i>Annals of the New York Academy of Sciences</i> , <b>2006</b> , 1076, 405-20	6.5	23
52	The use of S-phenylmercapturic acid as a biomarker in molecular epidemiology studies of benzene. <i>Chemico-Biological Interactions</i> , <b>2005</b> , 153-154, 97-102	5	22
51	Biological monitoring of human exposure to acephate. <i>Archives of Environmental Contamination and Toxicology</i> , <b>1990</b> , 19, 782-8	3.2	22
50	Particulate-bound polycyclic aromatic hydrocarbon sources and determinants in residential homes. <i>Environmental Pollution</i> , <b>2016</b> , 218, 16-25	9.3	21
49	Temporal variation of size-fractionated particulate matter and carbon monoxide in selected microenvironments of the Milan urban area. <i>Journal of Occupational and Environmental Hygiene</i> , <b>2013</b> , 10, 652-62	2.9	19
48	Personal exposure to airborne ultrafine particles in the urban area of Milan. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 151, 012039	0.3	17
47	Indoor gaseous air pollutants determinants in office buildings-The OFFICAIR project. <i>Indoor Air</i> , <b>2020</b> , 30, 76-87	5.4	17

46	Urinary methyl tert-butyl ether and benzene as biomarkers of exposure to urban traffic. <i>Environment International</i> , <b>2011</b> , 37, 404-11	12.9	16
45	Mass Concentration and Size-Distribution of Atmospheric Particulate Matter in an Urban Environment. <i>Aerosol and Air Quality Research</i> , <b>2017</b> , 17, 1142-1155	4.6	15
44	In-vehicle airborne fine and ultra-fine particulate matter exposure: The impact of leading vehicle emissions. <i>Environment International</i> , <b>2019</b> , 123, 407-416	12.9	14
43	Toxic trace metals in size-segregated fine particulate matter: Mass concentration, respiratory deposition, and risk assessment. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115242	9.3	14
42	CommutersUPersonal Exposure Assessment and Evaluation of Inhaled Dose to Different Atmospheric Pollutants. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	13
41	VOCs Measurements in Residential Buildings: Quantification via Thermal Desorption and Assessment of Indoor Concentrations in a Case-Study. <i>Atmosphere</i> , <b>2019</b> , 10, 57	2.7	12
40	Asbestos Lung Burden in Necroscopic Samples from the General Population of Milan, Italy. <i>Annals of Occupational Hygiene</i> , <b>2015</b> , 59, 909-21		12
39	Higher health effects of ambient particles during the warm season: The role of infiltration factors. <i>Science of the Total Environment</i> , <b>2018</b> , 627, 67-77	10.2	12
38	Sensitivity analyses of exposure estimates from a quantitative job-exposure matrix (SYN-JEM) for use in community-based studies. <i>Annals of Occupational Hygiene</i> , <b>2013</b> , 57, 98-106		12
37	Assessment of Exposure to Polycyclic Aromatic Hydrocarbons (PAH) in Italian Asphalt Workers. <i>Journal of Occupational and Environmental Hygiene</i> , <b>2007</b> , 4, 87-99	2.9	12
36	Engineered nanomaterials exposure in the production of graphene. <i>Aerosol Science and Technology</i> , <b>2016</b> , 50, 812-821	3.4	12
35	Is particulate air pollution at the front door a good proxy of residential exposure?. <i>Environmental Pollution</i> , <b>2016</b> , 213, 347-358	9.3	10
34	Multi-element analysis of size-segregated fine and ultrafine particulate via Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1043, 11-19	6.6	10
33	Modeling population exposure to ultrafine particles in a major Italian urban area. <i>International Journal of Environmental Research and Public Health</i> , <b>2014</b> , 11, 10641-62	4.6	9
32	Probabilistic approach for the risk assessment of nanomaterials: A case study for graphene nanoplatelets. <i>International Journal of Hygiene and Environmental Health</i> , <b>2019</b> , 222, 76-83	6.9	9
31	Titanium dioxide nanoparticles: occupational exposure assessment in the photocatalytic paving production. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	8
30	Estimation of the Inhaled Dose of Airborne Pollutants during Commuting: Case Study and Application for the General Population. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	8
29	HBM4EU chromates study - Overall results and recommendations for the biomonitoring of occupational exposure to hexavalent chromium. <i>Environmental Research</i> , <b>2022</b> , 204, 111984	7.9	8

28	How to Obtain a Reliable Estimate of Occupational Exposure? Review and Discussion of ModelsU Reliability. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	7
27	Airborne concentrations of chrysotile asbestos in serpentine quarries and stone processing facilities in Valmalenco, Italy. <i>Annals of Occupational Hygiene</i> , <b>2012</b> , 56, 671-83		7
26	Dermal exposure assessment of polycyclic aromatic hydrocarbons: in vitro percutaneous penetration from coal dust. <i>Toxicology and Industrial Health</i> , <b>2001</b> , 17, 17-21	1.8	7
25	Features and Practicability of the Next-Generation Sensors and Monitors for Exposure Assessment to Airborne Pollutants: A Systematic Review. <i>Sensors</i> , <b>2021</b> , 21,	3.8	7
24	Evaluating the Environmental Impacts of Personal Protective Equipment Use by the General Population during the COVID-19 Pandemic: A Case Study of Lombardy (Northern Italy). <i>Environments - MDPI</i> , <b>2021</b> , 8, 33	3.2	6
23	Environmental and biological monitoring of personal exposure to air pollutants of adult people living in a metropolitan area. <i>Science of the Total Environment</i> , <b>2021</b> , 767, 144916	10.2	6
22	Increased lung cancer risk among bricklayers in an Italian population-based case-control study. <i>American Journal of Industrial Medicine</i> , <b>2012</b> , 55, 423-8	2.7	4
21	Application of ultraviolet spectrophotometry to estimate occupational exposure to airborne polyaromatic compounds in asphalt pavers. <i>Journal of Occupational and Environmental Hygiene</i> , <b>2007</b> , 4, 412-9	2.9	4
20	Estimation of the Inhaled Dose of Pollutants in Different Micro-Environments: A Systematic Review of the Literature. <i>Toxics</i> , <b>2021</b> , 9,	4.7	4
19	Toxicological assessment method for evaluating the occupational risk of dynamic olfactometry assessors. <i>Regulatory Toxicology and Pharmacology</i> , <b>2021</b> , 125, 105003	3.4	4
18	Occupational exposure to arsenic and cadmium in thin-film solar cell production. <i>Annals of Occupational Hygiene</i> , <b>2015</b> , 59, 572-85		3
17	INSIDE Project: Individual Air Pollution Exposure, Extracellular Vesicles Signaling and Hypertensive Disorder Development in Pregnancy. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	3
16	Combined and modular approaches for multicomponent monitoring of indoor air pollutants. <i>Applied Spectroscopy Reviews</i> , 1-37	4.5	3
15	Evaluation of Personal Exposure to Air Pollutants and Estimation of the Inhaled Dose for Commuters in the Urban Area of Milan, Italy. <i>Proceedings (mdpi)</i> , <b>2020</b> , 44, 4	0.3	2
14	Assessment of Modeled Indoor Air Concentrations of Particulate Matter, Gaseous Pollutants, and Volatile Organic Compounds Emitted from Candles. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2014</b> , 20, 962-979	4.9	2
13	Analysis of fibrous zeolites in the volcanic deposits of the Viterbo Province, Italy. <i>Environmental Earth Sciences</i> , <b>2011</b> , 63, 861-871	2.9	2
12	Exposure to airborne particles associated with the handling of graphene nanoplatelets. <i>Medicina Del Lavoro</i> , <b>2018</b> , 109, 285-296	1.9	2
11	Commuting by car, public transport, and bike: Exposure assessment and estimation of the inhaled dose of multiple airborne pollutants. <i>Atmospheric Environment</i> , <b>2021</b> , 262, 118613	5.3	2

10	Exposure Assessment Methods in Studies on Waste Management and Health Effects: An Overview. <i>Environments - MDPI</i> , <b>2017</b> , 4, 19	3.2	1
9	Retrospective Exposure Assessment Methods Used in Occupational Human Health Risk Assessment: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	1
8	Carbon Nanotubes: Probabilistic Approach for Occupational Risk Assessment. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	1
7	Maternal air pollution exposure during the first trimester of pregnancy and markers of inflammation and endothelial dysfunction.. <i>Environmental Research</i> , <b>2022</b> , 212, 113216	7.9	1
6	Dynamic Olfactometry and Oil Refinery Odour Samples: Application of a New Method for Occupational Risk Assessment. <i>Toxics</i> , <b>2022</b> , 10, 202	4.7	1
5	Exposure and Management of the Health Risk for the Use of Formaldehyde and Xylene in a Large Pathology Laboratory. <i>Annals of Work Exposures and Health</i> , <b>2021</b> , 65, 805-818	2.4	0
4	Indoor Air Quality in Offices <b>2022</b> , 1-26		0
3	A simple approach to measure the radon equilibrium factor F from air filter gross beta counting. <i>Radiation Protection Dosimetry</i> , <b>2014</b> , 160, 202-5	0.9	
2	Revisiting the evidence for physical distancing, face masks, and eye protection. <i>Lancet, The</i> , <b>2021</b> , 398, 660-661	4.0	
1	How to obtain large amounts of location- and time-specific PM2.5 with homogeneous mass and composition? A possible approach, from particulate collection to chemical characterization. <i>Atmospheric Pollution Research</i> , <b>2021</b> , 12, 101193	4.5	