Andrea Cattaneo

List of Publications by Citations

67 papers	1,228 citations	22 h-index	31 g-index
76 ext. papers	1,610 ext. citations	5.5 avg, IF	4.37 L-index

#	Paper	IF	Citations
67	Assessment of indoor air quality in office buildings across Europe - The OFFICAIR study. *Science of the Total Environment*, **2017**, 579, 169-178	10.2	99
66	Extracellular vesicle-packaged miRNA release after short-term exposure to particulate matter is associated with increased coagulation. *Particle and Fibre Toxicology*, **2017**, 14, 32	8.4	60
65	VOCs and aldehydes source identification in European office buildings: The OFFICAIR study. *Building and Environment*, **2017**, 115, 18-24	6.5	51
64	Airborne particulate matter in school classrooms of northern Italy. *International Journal of Environmental Research and Public Health*, **2014**, 11, 1398-421	4.6	48
63	Miniaturized Monitors for Assessment of Exposure to Air Pollutants: A Review. *International Journal of Environmental Research and Public Health*, **2017**, 14,	4.6	44
62	Multi-metric measurement of personal exposure to ultrafine particles in selected urban microenvironments. *Atmospheric Environment*, **2015**, 110, 8-17	5.3	41
61	Indoor air pollution, physical and comfort parameters related to schoolchildren's health: Data from the European SINPHONIE study. *Science of the Total Environment*, **2020**, 739, 139870	10.2	41
60	SYN-JEM: A Quantitative Job-Exposure Matrix for Five Lung Carcinogens. *Annals of Occupational Hygiene*, **2016**, 60, 795-811		41
59	Oxidative potential and chemical composition of PM2.5 in office buildings across Europe - The OFFICAIR study. *Environment International*, **2016**, 92-93, 324-33	12.9	41
58	Identification of particulate matter determinants in residential homes. *Building and Environment*, **2015**, 86, 61-69	6.5	38
57	Modelling of occupational respirable crystalline silica exposure for quantitative exposure assessment in community-based case-control studies. *Journal of Environmental Monitoring*, **2011**, 13, 3262-8		38
56	Emission of air pollutants from burning candles with different composition in indoor environments. *Environmental Science and Pollution Research*, **2014**, 21, 4320-30	5.1	37
55	Emissions of air pollutants from scented candles burning in a test chamber. *Atmospheric Environment*, **2012**, 55, 257-262	5.3	33
54	COVID-19 Outbreak in Italy: Protecting Worker Health and the Response of the Italian Industrial Hygienists Association. *Annals of Work Exposures and Health*, **2020**, 64, 559-564	2.4	31
53	Vertical variation of PM mass and chemical composition, particle size distribution, NO, and BTEX at a high rise building. *Environmental Pollution*, **2018**, 235, 339-349	9.3	30
52	Short-term particulate matter exposure influences nasal microbiota in a population of healthy subjects. *Environmental Research*, **2018**, 162, 119-126	7.9	29
51	Personal exposure of traffic police officers to particulate matter, carbon monoxide, and benzene in the city of Milan, Italy. *Journal of Occupational and Environmental Hygiene*, **2010**, 7, 342-51	2.9	27

50	Development of an exposure measurement database on five lung carcinogens (ExpoSYN) for quantitative retrospective occupational exposure assessment. *Annals of Occupational Hygiene*, **2012**, 56, 70-9		27
49	Comparison between Personal and Individual Exposure to Urban Air Pollutants. *Aerosol Science and Technology*, **2010**, 44, 370-379	3.4	26
48	Field comparison of instruments for exposure assessment of airborne ultrafine particles and particulate matter. *Atmospheric Environment*, **2017**, 154, 274-284	5.3	24
47	Accuracy Evaluation of Three Modelling Tools for Occupational Exposure Assessment. *Annals of Work Exposures and Health*, **2017**, 61, 284-298	2.4	24
46	Precision and Accuracy of a Direct-Reading Miniaturized Monitor in PM Exposure Assessment. *Sensors*, **2018**, 18,	3.8	24
45	Short-term particulate matter exposure induces extracellular vesicle release in overweight subjects. *Environmental Research*, **2017**, 155, 228-234	7.9	22
44	Particulate-bound polycyclic aromatic hydrocarbon sources and determinants in residential homes. *Environmental Pollution*, **2016**, 218, 16-25	9.3	21
43	Personal Control of the Indoor Environment in Offices: Relations with Building Characteristics, Influence on Occupant Perception and Reported Symptoms Related to the Building□he Officair Project. *Applied Sciences (Switzerland)*, **2019**, 9, 3227	2.6	17
42	Indoor gaseous air pollutants determinants in office buildings-The OFFICAIR project. *Indoor Air*, **2020**, 30, 76-87	5.4	17
41	An integrated approach for the chemical characterization and oxidative potential assessment of indoor PM2.5. *Microchemical Journal*, **2015**, 119, 22-29	4.8	16
40	Urinary methyl tert-butyl ether and benzene as biomarkers of exposure to urban traffic. *Environment International*, **2011**, 37, 404-11	12.9	16
39	Mass Concentration and Size-Distribution of Atmospheric Particulate Matter in an Urban Environment. *Aerosol and Air Quality Research*, **2017**, 17, 1142-1155	4.6	15
38	In-vehicle airborne fine and ultra-fine particulate matter exposure: The impact of leading vehicle emissions. *Environment International*, **2019**, 123, 407-416	12.9	14
37	Toxic trace metals in size-segregated fine particulate matter: Mass concentration, respiratory deposition, and risk assessment. *Environmental Pollution*, **2020**, 266, 115242	9.3	14
36	Association of subjective health symptoms with indoor air quality in European office buildings: The OFFICAIR project. *Indoor Air*, **2021**, 31, 426-439	5.4	14
35	Spatial and temporal variation of particulate matter characteristics within office buildings - The OFFICAIR study. *Science of the Total Environment*, **2017**, 587-588, 59-67	10.2	13
34	CommutersUPersonal Exposure Assessment and Evaluation of Inhaled Dose to Different Atmospheric Pollutants. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	13
33	VOCs Measurements in Residential Buildings: Quantification via Thermal Desorption and Assessment of Indoor Concentrations in a Case-Study. *Atmosphere*, **2019**, 10, 57	2.7	12

32	Asbestos Lung Burden in Necroscopic Samples from the General Population of Milan, Italy. *Annals of Occupational Hygiene*, **2015**, 59, 909-21		12
31	Higher health effects of ambient particles during the warm season: The role of infiltration factors. *Science of the Total Environment*, **2018**, 627, 67-77	10.2	12
30	Sensitivity analyses of exposure estimates from a quantitative job-exposure matrix (SYN-JEM) for use in community-based studies. *Annals of Occupational Hygiene*, **2013**, 57, 98-106		12
29	Engineered nanomaterials exposure in the production of graphene. *Aerosol Science and Technology*, **2016**, 50, 812-821	3.4	12
28	Is particulate air pollution at the front door a good proxy of residential exposure?. *Environmental Pollution*, **2016**, 213, 347-358	9.3	10
27	Modeling population exposure to ultrafine particles in a major Italian urban area. *International Journal of Environmental Research and Public Health*, **2014**, 11, 10641-62	4.6	9
26	Probabilistic approach for the risk assessment of nanomaterials: A case study for graphene nanoplatelets. *International Journal of Hygiene and Environmental Health*, **2019**, 222, 76-83	6.9	9
25	Titanium dioxide nanoparticles: occupational exposure assessment in the photocatalytic paving production. *Journal of Nanoparticle Research*, **2016**, 18, 1	2.3	8
24	Estimation of the Inhaled Dose of Airborne Pollutants during Commuting: Case Study and Application for the General Population. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	8
23	Particulate matter exposure increases JC polyomavirus replication in the human host. *Environmental Pollution*, **2018**, 241, 234-239	9.3	8
22	How to Obtain a Reliable Estimate of Occupational Exposure? Review and Discussion of ModelsU Reliability. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	7
21	Airborne concentrations of chrysotile asbestos in serpentine quarries and stone processing facilities in Valmalenco, Italy. *Annals of Occupational Hygiene*, **2012**, 56, 671-83		7
20	Features and Practicability of the Next-Generation Sensors and Monitors for Exposure Assessment to Airborne Pollutants: A Systematic Review. *Sensors*, **2021**, 21,	3.8	7
19	Environmental and biological monitoring of personal exposure to air pollutants of adult people living in a metropolitan area. *Science of the Total Environment*, **2021**, 767, 144916	10.2	6
18	Increased lung cancer risk among bricklayers in an Italian population-based case-control study. *American Journal of Industrial Medicine*, **2012**, 55, 423-8	2.7	4
17	Estimation of the Inhaled Dose of Pollutants in Different Micro-Environments: A Systematic Review of the Literature. *Toxics*, **2021**, 9,	4.7	4
16	Toxicological assessment method for evaluating the occupational risk of dynamic olfactometry assessors. *Regulatory Toxicology and Pharmacology*, **2021**, 125, 105003	3.4	4
15	Occupational exposure to arsenic and cadmium in thin-film solar cell production. *Annals of Occupational Hygiene*, **2015**, 59, 572-85		3

List of Publications

14	INSIDE Project: Individual Air Pollution Exposure, Extracellular Vesicles Signaling and Hypertensive Disorder Development in Pregnancy. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	3
13	Nasal Microbiota Modifies the Effects of Particulate Air Pollution on Plasma Extracellular Vesicles. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	3
12	Combined and modular approaches for multicomponent monitoring of indoor air pollutants. *Applied Spectroscopy Reviews*,1-37	4.5	3
11	Evaluation of Personal Exposure to Air Pollutants and Estimation of the Inhaled Dose for Commuters in the Urban Area of Milan, Italy. *Proceedings (mdpi)*, **2020**, 44, 4	0.3	2
10	Assessment of Modeled Indoor Air Concentrations of Particulate Matter, Gaseous Pollutants, and Volatile Organic Compounds Emitted from Candles. *Human and Ecological Risk Assessment (HERA)*, **2014**, 20, 962-979	4.9	2
9	Exposure to airborne particles associated with the handling of graphene nanoplatelets. *Medicina Del Lavoro*, **2018**, 109, 285-296	1.9	2
8	Commuting by car, public transport, and bike: Exposure assessment and estimation of the inhaled dose of multiple airborne pollutants. *Atmospheric Environment*, **2021**, 262, 118613	5.3	2
7	Retrospective Exposure Assessment Methods Used in Occupational Human Health Risk Assessment: A Systematic Review. *International Journal of Environmental Research and Public Health* , **2020**, 17,	4.6	1
6	Carbon Nanotubes: Probabilistic Approach for Occupational Risk Assessment. *Nanomaterials*, **2021**, 11,	5.4	1
5	Maternal air pollution exposure during the first trimester of pregnancy and markers of inflammation and endothelial dysfunction.. *Environmental Research*, **2022**, 212, 113216	7.9	1
4	Advanced instrumental approaches for chemical characterization of indoor particulate matter. *Applied Spectroscopy Reviews*,1-41	4.5	1
3	Dynamic Olfactometry and Oil Refinery Odour Samples: Application of a New Method for Occupational Risk Assessment. *Toxics*, **2022**, 10, 202	4.7	1
2	Indoor Air Quality in Offices **2022**, 1-26		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. *Atmospheric Pollution Research*, **2021**, 12, 101193	4.5	