

Maurizio Gualtieri

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.

58
papers

2,686
citations

31
h-index

51
g-index

62
ext. papers

3,077
ext. citations

5.9
avg, IF

4.92
L-index

#	Paper	IF	Citations
58	Differences in cytotoxicity versus pro-inflammatory potency of different PM fractions in human epithelial lung cells. <i>Toxicology in Vitro</i> , 2010 , 24, 29-39	3.6	166
57	Seasonal variations in chemical composition and in vitro biological effects of fine PM from Milan. <i>Chemosphere</i> , 2010 , 78, 1368-77	8.4	141
56	Cell cycle alterations induced by urban PM _{2.5} in bronchial epithelial cells: characterization of the process and possible mechanisms involved. <i>Particle and Fibre Toxicology</i> , 2013 , 10, 63	8.4	133
55	Economic losses due to ozone impacts on human health, forest productivity and crop yield across China. <i>Environment International</i> , 2019 , 131, 104966	12.9	120
54	Nickel oxide nanoparticles induce inflammation and genotoxic effect in lung epithelial cells. <i>Toxicology Letters</i> , 2014 , 226, 28-34	4.4	115
53	Gene expression profiling of A549 cells exposed to Milan PM _{2.5} . <i>Toxicology Letters</i> , 2012 , 209, 136-45	4.4	114
52	Airborne urban particles (Milan winter-PM _{2.5}) cause mitotic arrest and cell death: Effects on DNA, mitochondria, AhR binding and spindle organization. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011 , 713, 18-31	3.3	114
51	Particle size, chemical composition, seasons of the year and urban, rural or remote site origins as determinants of biological effects of particulate matter on pulmonary cells. <i>Environmental Pollution</i> , 2013 , 176, 215-27	9.3	112
50	Impact of tire debris on in vitro and in vivo systems. <i>Particle and Fibre Toxicology</i> , 2005 , 2, 1	8.4	111
49	Comparison of non-crystalline silica nanoparticles in IL-1 β release from macrophages. <i>Particle and Fibre Toxicology</i> , 2012 , 9, 32	8.4	103
48	Winter fine particulate matter from Milan induces morphological and functional alterations in human pulmonary epithelial cells (A549). <i>Toxicology Letters</i> , 2009 , 188, 52-62	4.4	101
47	Toxicity of tire debris leachates. <i>Environment International</i> , 2005 , 31, 723-30	12.9	79
46	Comparative acute lung inflammation induced by atmospheric PM and size-fractionated tire particles. <i>Toxicology Letters</i> , 2010 , 198, 244-54	4.4	74
45	The modality of cell-particle interactions drives the toxicity of nanosized CuO and TiO ₂ in human alveolar epithelial cells. <i>Toxicology Letters</i> , 2013 , 222, 102-16	4.4	69
44	Impacts of air pollution on human and ecosystem health, and implications for the National Emission Ceilings Directive: Insights from Italy. <i>Environment International</i> , 2019 , 125, 320-333	12.9	68
43	Season linked responses to fine and quasi-ultrafine Milan PM in cultured cells. <i>Toxicology in Vitro</i> , 2013 , 27, 551-9	3.6	65
42	Lung toxicity induced by intratracheal instillation of size-fractionated tire particles. <i>Toxicology Letters</i> , 2009 , 189, 206-14	4.4	60

41	Integrative transcriptomic and protein analysis of human bronchial BEAS-2B exposed to seasonal urban particulate matter. <i>Environmental Pollution</i> , 2016 , 209, 87-98	9.3	59
40	Physico-chemical properties and biological effects of diesel and biomass particles. <i>Environmental Pollution</i> , 2016 , 215, 366-375	9.3	56
39	Fine and ultrafine atmospheric particulate matter at a multi-influenced urban site: Physicochemical characterization, mutagenicity and cytotoxicity. <i>Environmental Pollution</i> , 2017 , 221, 130-140	9.3	54
38	Effect of O ₃ , PM ₁₀ and PM _{2.5} on cardiovascular and respiratory diseases in cities of France, Iran and Italy. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 32645-32665	5.1	53
37	Organic compounds in tire particle induce reactive oxygen species and heat-shock proteins in the human alveolar cell line A549. <i>Environment International</i> , 2008 , 34, 437-42	12.9	53
36	First evidence of tyre debris characterization at the nanoscale by focused ion beam. <i>Materials Characterization</i> , 2004 , 52, 283-288	3.9	46
35	First Results of the Carbonaceous Aerosol in Rome and Environs (CARE) Experiment: Beyond Current Standards for PM ₁₀ . <i>Atmosphere</i> , 2017 , 8, 249	2.7	42
34	Toxicity of tire debris extracts on human lung cell line A549. <i>Toxicology in Vitro</i> , 2005 , 19, 1001-8	3.6	42
33	Gold Branched Nanoparticles for Cellular Treatments. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 18407-18418	3.8	41
32	PM ₁₀ -biogenic fraction drives the seasonal variation of proinflammatory response in A549 cells. <i>Environmental Toxicology</i> , 2012 , 27, 63-73	4.2	41
31	Release of IL-1β triggered by Milan summer PM ₁₀ : molecular pathways involved in the cytokine release. <i>BioMed Research International</i> , 2013 , 2013, 158093	3	35
30	Tire debris organic extract affects <i>Xenopus</i> development. <i>Environment International</i> , 2007 , 33, 642-8	12.9	34
29	Milan winter fine particulate matter (wPM _{2.5}) induces IL-6 and IL-8 synthesis in human bronchial BEAS-2B cells, but specifically impairs IL-8 release. <i>Toxicology in Vitro</i> , 2018 , 52, 365-373	3.6	32
28	Importance of agglomeration state and exposure conditions for uptake and pro-inflammatory responses to amorphous silica nanoparticles in bronchial epithelial cells. <i>Nanotoxicology</i> , 2012 , 6, 700-1253	5.3	32
27	Impact of zinc oxide nanoparticles on an in vitro model of the human air-blood barrier. <i>Toxicology Letters</i> , 2017 , 279, 22-32	4.4	31
26	Transcriptional profiling of human bronchial epithelial cell BEAS-2B exposed to diesel and biomass ultrafine particles. <i>BMC Genomics</i> , 2018 , 19, 302	4.5	27
25	Is it the time to study air pollution effects under environmental conditions? A case study to support the shift of in vitro toxicology from the bench to the field. <i>Chemosphere</i> , 2018 , 207, 552-564	8.4	27
24	Effect of nanoparticles and environmental particles on a cocultures model of the air-blood barrier. <i>BioMed Research International</i> , 2013 , 2013, 801214	3	22

23	Classifying aerosol particles through the combination of optical and physical-chemical properties: Results from a wintertime campaign in Rome (Italy). <i>Atmospheric Research</i> , 2020 , 235, 104799	5.4	20
22	Individual exposure level following indoor and outdoor air pollution exposure in Dakar (Senegal). <i>Environmental Pollution</i> , 2019 , 248, 397-407	9.3	19
21	Organic extract of tire debris causes localized damage in the plasma membrane of human lung epithelial cells. <i>Toxicology Letters</i> , 2007 , 173, 191-200	4.4	17
20	Synergistic inflammatory effect of PM10 with mycotoxin deoxynivalenol on human lung epithelial cells. <i>Toxicol</i> , 2015 , 104, 65-72	2.8	15
19	Size resolved aerosol respiratory doses in a Mediterranean urban area: From PM to ultrafine particles. <i>Environment International</i> , 2020 , 141, 105714	12.9	14
18	Evidence of association between aerosol properties and in-vitro cellular oxidative response to PM1, oxidative potential of PM2.5, a biomarker of RNA oxidation, and its dependency on combustion sources. <i>Atmospheric Environment</i> , 2019 , 213, 444-455	5.3	13
17	Fifteen Years of Airborne Particulates Toxicology in Milano: Lessons and Perspectives Learned. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	13
16	Graphite particles induce ROS formation in cell free systems and human cells. <i>Nanoscale</i> , 2017 , 9, 13640-13650	13.7	12
15	Organic nanoparticles from different fuel blends: in vitro toxicity and inflammatory potential. <i>Journal of Applied Toxicology</i> , 2014 , 34, 1247-55	4.1	10
14	Seasonal Variation in the Biological Effects of PM from Greater Cairo. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	9
13	Physico-chemical characterization and in vitro inflammatory and oxidative potency of atmospheric particles collected in Dakar city's (Senegal). <i>Environmental Pollution</i> , 2019 , 245, 568-581	9.3	9
12	A new method and tool for detection and quantification of PM oxidative potential. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 12469-78	5.1	8
11	Adverse biological effects of Milan urban PM looking for suitable molecular markers of exposure. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2012 , 18, 635-641	0.7	8
10	Ultrafine Particle Features Associated with Pro-Inflammatory and Oxidative Responses: Implications for Health Studies. <i>Atmosphere</i> , 2020 , 11, 414	2.7	7
9	Source Apportionment and Macro Tracer: Integration of Independent Methods for Quantification of Woody Biomass Burning Contribution to PM10. <i>Aerosol and Air Quality Research</i> , 2019 , 19, 711-723	4.6	7
8	Gaining knowledge on source contribution to aerosol optical absorption properties and organics by receptor modelling. <i>Atmospheric Environment</i> , 2020 , 243, 117873	5.3	6
7	The Italian National Air Pollution Control Programme: Air Quality, Health Impact and Cost Assessment. <i>Atmosphere</i> , 2021 , 12, 196	2.7	5
6	Resonant Raman-based cytochrome C biosensor as a tool for evaluating the oxidative properties of the diesel exhaust particulate matter. <i>Journal of Raman Spectroscopy</i> , 2016 , 47, 796-800	2.3	3

5	Understanding the environmental factors related to the decrease in Pediatric Emergency Department referrals for acute asthma during the SARS-CoV-2 pandemic. <i>Pediatric Pulmonology</i> , 2022 , 57, 66-74	3.5	3
4	In vitro effects of summer and winter Milan particulate matter. <i>Toxicology Letters</i> , 2010 , 196, S65	4.4	2
3	Impact of the Airborne Particulate Matter on the Human Health 2016 , 597-643		1
2	On the Redox-Activity and Health-Effects of Atmospheric Primary and Secondary Aerosol: Phenomenology. <i>Atmosphere</i> , 2022 , 13, 704	2.7	1
1	Climate change and air pollution: Translating their interplay into present and future mortality risk for Rome and Milan municipalities.. <i>Science of the Total Environment</i> , 2022 , 154680	10.2	0