Maurizio Gualtieri

List of Publications by Year
in descending order

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58	3,499	117453	133063
papers	citations	34 h-index	59 g-index

63	63	63	4935
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Economic losses due to ozone impacts on human health, forest productivity and crop yield across China. Environment International, 2019, 131, 104966.	4.8	205
2	Differences in cytotoxicity versus pro-inflammatory potency of different PM fractions in human epithelial lung cells. Toxicology in Vitro, 2010, 24, 29-39.	1.1	186
3	Cell cycle alterations induced by urban PM2.5 in bronchial epithelial cells: characterization of the process and possible mechanisms involved. Particle and Fibre Toxicology, 2013, 10, 63.	2.8	180
4	Seasonal variations in chemical composition and in vitro biological effects of fine PM from Milan. Chemosphere, 2010, 78, 1368-1377.	4.2	169
5	Impact of tire debris on in vitro and in vivo systems. Particle and Fibre Toxicology, 2005, 2, 1.	2.8	161
6	Airborne urban particles (Milan winter-PM2.5) cause mitotic arrest and cell death: Effects on DNA, mitochondria, AhR binding and spindle organization. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 713, 18-31.	0.4	142
7	Nickel oxide nanoparticles induce inflammation and genotoxic effect in lung epithelial cells. Toxicology Letters, 2014, 226, 28-34.	0.4	140
8	Gene expression profiling of A549 cells exposed to Milan PM2.5. Toxicology Letters, 2012, 209, 136-145.	0.4	126
9	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. Environmental Pollution, 2013, 176, 215-227.	3.7	125
10	Comparison of non-crystalline silica nanoparticles in IL-1Î² release from macrophages. Particle and Fibre Toxicology, 2012, 9, 32.	2.8	122
11	Winter fine particulate matter from Milan induces morphological and functional alterations in human pulmonary epithelial cells (A549). Toxicology Letters, 2009, 188, 52-62.	0.4	120
12	Impacts of air pollution on human and ecosystem health, and implications for the National Emission Ceilings Directive: Insights from Italy. Environment International, 2019, 125, 320-333.	4.8	113
13	Toxicity of tire debris leachates. Environment International, 2005, 31, 723-730.	4.8	109
14	Comparative acute lung inflammation induced by atmospheric PM and size-fractionated tire particles. Toxicology Letters, 2010, 198, 244-254.	0.4	92
15	Effect of O3, PM10 and PM2.5 on cardiovascular and respiratory diseases in cities of France, Iran and Italy. Environmental Science and Pollution Research, 2019, 26, 32645-32665.	2.7	89
16	Season linked responses to fine and quasi-ultrafine Milan PM in cultured cells. Toxicology in Vitro, 2013, 27, 551-559.	1.1	87
17	The modality of cellâ€“particle interactions drives the toxicity of nanosized CuO and TiO2 in human alveolar epithelial cells. Toxicology Letters, 2013, 222, 102-116.	0.4	84
18	Integrative transcriptomic and protein analysis of human bronchial BEAS-2B exposed to seasonal urban particulate matter. Environmental Pollution, 2016, 209, 87-98.	3.7	74

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19	Physico-chemical properties and biological effects of diesel and biomass particles. Environmental Pollution, 2016, 215, 366-375.	3.7	73
20	Lung toxicity induced by intratracheal instillation of size-fractionated tire particles. Toxicology Letters, 2009, 189, 206-214.	0.4	72
21	Organic compounds in tire particle induce reactive oxygen species and heat-shock proteins in the human alveolar cell line A549. Environment International, 2008, 34, 437-442.	4.8	70
22	Fine and ultrafine atmospheric particulate matter at a multi-influenced urban site: Physicochemical characterization, mutagenicity and cytotoxicity. Environmental Pollution, 2017, 221, 130-140.	3.7	65
23	First evidence of tyre debris characterization at the nanoscale by focused ion beam. Materials Characterization, 2004, 52, 283-288.	1.9	56
24	First Results of the â€œCarbonaceous Aerosol in Rome and Environs (CARE)â€•Experiment: Beyond Current Standards for PM10. Atmosphere, 2017, 8, 249.	1.0	54
25	Toxicity of tire debris extracts on human lung cell line A549. Toxicology in Vitro, 2005, 19, 1001-1008.	1.1	52
26	PM10â€biogenic fraction drives the seasonal variation of proinflammatory response in A549 cells. Environmental Toxicology, 2012, 27, 63-73.	2.1	47
27	Gold Branched Nanoparticles for Cellular Treatments. Journal of Physical Chemistry C, 2012, 116, 18407-18418.	1.5	46
28	Milan winter fine particulate matter (wPM2.5) induces IL-6 and IL-8 synthesis in human bronchial BEAS-2B cells, but specifically impairs IL-8 release. Toxicology in Vitro, 2018, 52, 365-373.	1.1	44
29	Transcriptional profiling of human bronchial epithelial cell BEAS-2B exposed to diesel and biomass ultrafine particles. BMC Genomics, 2018, 19, 302.	1.2	43
30	Impact of zinc oxide nanoparticles on an in vitro model of the human air-blood barrier. Toxicology Letters, 2017, 279, 22-32.	0.4	42
31	Tire debris organic extract affects Xenopus development. Environment International, 2007, 33, 642-648.	4.8	38
32	Release of IL-1Î²Triggered by Milan Summer PM₁₀: Molecular Pathways Involved in the Cytokine Release. BioMed Research International, 2013, 2013, 1-9.	0.9	38
33	Is it the time to study air pollution effects under environmental conditions? A case study to support the shift of inÂvitro toxicology from the bench to the field. Chemosphere, 2018, 207, 552-564.	4.2	37
34	Importance of agglomeration state and exposure conditions for uptake and pro-inflammatory responses to amorphous silica nanoparticles in bronchial epithelial cells. Nanotoxicology, 2012, 6, 700-712.	1.6	35
35	Classifying aerosol particles through the combination of optical and physical-chemical properties: Results from a wintertime campaign in Rome (Italy). Atmospheric Research, 2020, 235, 104799.	1.8	33
36	Effect of Nanoparticles and Environmental Particles on a Cocultures Model of the Air-Blood Barrier. BioMed Research International, 2013, 2013, 1-8.	0.9	30

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37	Individual exposure level following indoor and outdoor air pollution exposure in Dakar (Senegal). Environmental Pollution, 2019, 248, 397-407.	3.7	27
38	Size resolved aerosol respiratory doses in a Mediterranean urban area: From PM10 to ultrafine particles. Environment International, 2020, 141, 105714.	4.8	26
39	Organic extract of tire debris causes localized damage in the plasma membrane of human lung epithelial cells. Toxicology Letters, 2007, 173, 191-200.	0.4	21
40	Fifteen Years of Airborne Particulates in Vitro Toxicology in Milano: Lessons and Perspectives Learned. International Journal of Molecular Sciences, 2020, 21, 2489.	1.8	21
41	Seasonal Variation in the Biological Effects of PM2.5 from Greater Cairo. International Journal of Molecular Sciences, 2019, 20, 4970.	1.8	19
42	Synergistic inflammatory effect of PM10 with mycotoxin deoxynivalenol on human lung epithelial cells. Toxicon, 2015, 104, 65-72.	0.8	17
43	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. Atmospheric Environment, 2019, 213, 444-455.	1.9	17
44	Graphite particles induce ROS formation in cell free systems and human cells. Nanoscale, 2017, 9, 13640-13650.	2.8	16
45	Organic nanoparticles from different fuel blends: in vitro toxicity and inflammatory potential. Journal of Applied Toxicology, 2014, 34, 1247-1255.	1.4	13
46	Physico-chemical characterization and inÂvitro inflammatory and oxidative potency of atmospheric particles collected in Dakar city's (Senegal). Environmental Pollution, 2019, 245, 568-581.	3.7	13
47	Understanding the environmental factors related to the decrease in Pediatric Emergency Department referrals for acute asthma during the SARSâ€CoVâ€2 pandemic. Pediatric Pulmonology, 2022, 57, 66-74.	1.0	12
48	Adverse biological effects of Milan urban PM looking for suitable molecular markers of exposure. Chemical Industry and Chemical Engineering Quarterly, 2012, 18, 635-641.	0.4	11
49	Ultrafine Particle Features Associated with Pro-Inflammatory and Oxidative Responses: Implications for Health Studies. Atmosphere, 2020, 11, 414.	1.0	10
50	The Italian National Air Pollution Control Programme: Air Quality, Health Impact and Cost Assessment. Atmosphere, 2021, 12, 196.	1.0	10
51	A new method and tool for detection and quantification of PM oxidative potential. Environmental Science and Pollution Research, 2015, 22, 12469-12478.	2.7	9
52	Gaining knowledge on source contribution to aerosol optical absorption properties and organics by receptor modelling. Atmospheric Environment, 2020, 243, 117873.	1.9	9
53	Source Apportionment and Macro Tracer: Integration of Independent Methods for Quantification of Woody Biomass Burning Contribution to PM10. Aerosol and Air Quality Research, 2019, 19, 711-723.	0.9	9
54	Climate change and air pollution: Translating their interplay into present and future mortality risk for Rome and Milan municipalities. Science of the Total Environment, 2022, 830, 154680.	3.9	8

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55	On the Redox-Activity and Health-Effects of Atmospheric Primary and Secondary Aerosol: Phenomenology. Atmosphere, 2022, 13, 704.	1.0	7
56	Resonant Ramanâ€based cytochrome C biosensor as a tool for evaluating the oxidative properties of the diesel exhaust particulate matter. Journal of Raman Spectroscopy, 2016, 47, 796-800.	1.2	3
57	In vitro effects of summer and winter Milan particulate matter. Toxicology Letters, 2010, 196, S65.	0.4	2
58	PM10 in Milan: Seasonal variations in eliciting biological effects on A549 cell line. Toxicology Letters, 2009, 189, S79-S80.	0.4	1