Paride Mantecca

List of Publications by Year
in descending order

66 papers	2,491 citations	185998 28 h-index	205818 48 g-index
67 all docs	67 docs citations	67 times ranked	3736 citing authors

#	Article	IF	Citations
1	Impact of tire debris on in vitro and in vivo systems. Particle and Fibre Toxicology, 2005, 2, 1.	2.8	161
2	Gene expression profiling of A549 cells exposed to Milan PM2.5. Toxicology Letters, 2012, 209, 136-145.	0.4	126
3	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
4	The influence of the crystalline nature of nano-metal oxides on their antibacterial and toxicity properties. Nano Research, 2015, 8, 695-707.	5.8	100
5	The acute toxic effects of particulate matter in mouse lung are related to size and season of collection. Toxicology Letters, 2011, 202, 209-217.	0.4	93
6	Comparative acute lung inflammation induced by atmospheric PM and size-fractionated tire particles. Toxicology Letters, 2010, 198, 244-254.	0.4	92
7	Season linked responses to fine and quasi-ultrafine Milan PM in cultured cells. Toxicology in Vitro, 2013, 27, 551-559.	1.1	87
8	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
9	Health Risk Assessment for Air Pollutants: Alterations in Lung and Cardiac Gene Expression in Mice Exposed to Milano Winter Fine Particulate Matter (PM2.5). PLoS ONE, 2014, 9, e109685.	1.1	84
10	Milano Summer Particulate Matter (PM10) Triggers Lung Inflammation and Extra Pulmonary Adverse Events in Mice. PLoS ONE, 2013, 8, e56636.	1.1	82
11	Toxic effects and ultrastructural damages to Daphnia magna of two differently sized ZnO nanoparticles: Does size matter?. Water Research, 2014, 53, 339-350.	5.3	79
12	Nano-sized CuO, TiO₂and ZnO affectXenopus laevisdevelopment. Nanotoxicology, 2012, 6, 381-398.	1.6	78
13	Comparative teratogenicity of Chlorpyrifos and Malathion on Xenopus laevis development. Aquatic Toxicology, 2004, 70, 189-200.	1.9	75
14	Lung toxicity induced by intratracheal instillation of size-fractionated tire particles. Toxicology Letters, 2009, 189, 206-214.	0.4	72
15	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
16	Proactive Approach for Safe Use of Antimicrobial Coatings in Healthcare Settings: Opinion of the COST Action Network AMiCI. International Journal of Environmental Research and Public Health, 2017, 14, 366.	1.2	58
17	Evidence and uptake routes for Zinc oxide nanoparticles through the gastrointestinal barrier inXenopus laevis. Nanotoxicology, 2014, 8, 1-17.	1.6	52
18	Axialâ€“skeletal defects caused by Carbaryl in Xenopus laevis embryos. Science of the Total Environment, 2008, 392, 110-118.	3.9	51

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19	Lung Toxicity of Condensed Aerosol from E-CIG Liquids: Influence of the Flavor and the In Vitro Model Used. International Journal of Environmental Research and Public Health, 2017, 14, 1254.	1.2	48
20	PM10â€biogenic fraction drives the seasonal variation of proinflammatory response in A549 cells. Environmental Toxicology, 2012, 27, 63-73.	2.1	47
21	In vitro lung toxicity of indoor PM10 from a stove fueled with different biomasses. Science of the Total Environment, 2019, 649, 1422-1433.	3.9	45
22	DDT in zebra mussels from Lake Maggiore (N. Italy): level of contamination and endocrine disruptions. Aquatic Toxicology, 2004, 69, 175-188.	1.9	42
23	Tire debris organic extract affects Xenopus development. Environment International, 2007, 33, 642-648.	4.8	38
24	Airborne Nanoparticle Release and Toxicological Risk from Metal-Oxide-Coated Textiles: Toward a Multiscale Safe-by-Design Approach. Environmental Science & Technology, 2017, 51, 9305-9317.	4.6	33
25	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
26	Do Nanoparticle Physico-Chemical Properties and Developmental Exposure Window Influence Nano ZnO Embryotoxicity in Xenopus laevis?. International Journal of Environmental Research and Public Health, 2015, 12, 8828-8848.	1.2	29
27	In vitro skin toxicity of CuO and ZnO nanoparticles: Application in the safety assessment of antimicrobial coated textiles. NanoImpact, 2021, 21, 100282.	2.4	29
28	Toxicity Evaluation of a New Zn-Doped CuO Nanocomposite With Highly Effective Antibacterial Properties. Toxicological Sciences, 2015, 146, 16-30.	1.4	28
29	In vitro pulmonary and vascular effects induced by different diesel exhaust particles. Toxicology Letters, 2019, 306, 13-24.	0.4	28
30	Application of Bayesian networks in determining nanoparticle-induced cellular outcomes using transcriptomics. Nanotoxicology, 2019, 13, 827-848.	1.6	28
31	DDT polluted meltwater affects reproduction in the mussel Dreissena polymorpha. Chemosphere, 2009, 76, 1380-1385.	4.2	26
32	Toxicity of differently sized and charged silver nanoparticles to yeast Saccharomyces cerevisiae BY4741: a nano-biointeraction perspective. Nanotoxicology, 2019, 13, 1041-1059.	1.6	26
33	Microplastics from miscellaneous plastic wastes: Physico-chemical characterization and impact on fish and amphibian development. Ecotoxicology and Environmental Safety, 2021, 225, 112775.	2.9	26
34	Profiling of the toxicity mechanisms of coated and uncoated silver nanoparticles to yeast Saccharomyces cerevisiae BY4741 using a set of its 9 single-gene deletion mutants defective in oxidative stress response, cell wall or membrane integrity and endocytosis. Toxicology in Vitro, 2016, 35, 149-162.	1.1	24
35	Diesel exhaust particulate emissions and in vitro toxicity from Euro 3 and Euro 6 vehicles. Environmental Pollution, 2022, 297, 118767.	3.7	24
36	Milan PM1 Induces Adverse Effects on Mice Lungs and Cardiovascular System. BioMed Research International, 2013, 2013, 1-10.	0.9	23

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37	In Vitro Toxicity of TiO2:SiO2 Nanocomposites with Different Photocatalytic Properties. Nanomaterials, 2019, 9, 1041.	1.9	21
38	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
39	Does carbon nanopowder threaten amphibian development?. Carbon, 2012, 50, 4607-4618.	5.4	20
40	Zebra mussels in Italy: where do they come from?. Biological Invasions, 2008, 10, 555-560.	1.2	19
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	Hazard assessment of polymer-capped CuO and ZnO nanocolloids: A contribution to the safe-by-design implementation of biocidal agents. NanoImpact, 2020, 17, 100195.	2.4	19
43	Hazard Screening Methods for Nanomaterials: A Comparative Study. International Journal of Molecular Sciences, 2018, 19, 649.	1.8	18
44	Reproductive behavior of the freshwater mussel Dreissena polymorpha in Italy: a comparison between two populations. Fundamental and Applied Limnology, 2001, 151, 247-262.	0.4	18
45	Role of air pollutants mediated oxidative stress in respiratory diseases. Pediatric Allergy and Immunology, 2022, 33, 38-40.	1.1	17
46	Iron nanoparticle bio-interactions evaluated in Xenopus laevis embryos, a model for studying the safety of ingested nanoparticles. Nanotoxicology, 2020, 14, 196-213.	1.6	16
47	Sonochemical One-Step Synthesis of Polymer-Capped Metal Oxide Nanocolloids: Antibacterial Activity and Cytotoxicity. ACS Omega, 2019, 4, 13631-13639.	1.6	15
48	Teratogenic hazard of BPEI-coated silver nanoparticles to Xenopus laevis. Nanotoxicology, 2017, 11, 405-418.	1.6	14
49	The role of SerpinB2 in human bronchial epithelial cells responses to particulate matter exposure. Archives of Toxicology, 2018, 92, 2923-2933.	1.9	13
50	Cytotoxic and proinflammatory responses induced by ZnO nanoparticles in in vitro intestinal barrier. Journal of Applied Toxicology, 2019, 39, 1155-1163.	1.4	13
51	Mixture Effects of Diesel Exhaust and Metal Oxide Nanoparticles in Human Lung A549 Cells. Nanomaterials, 2019, 9, 1302.	1.9	12
52	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
53	The Role of Polymeric Coatings for a Safe-by-Design Development of Biomedical Gold Nanoparticles Assessed in Zebrafish Embryo. Nanomaterials, 2021, 11, 1004.	1.9	11
54	Antibacterial and In Vivo Studies of a Green, One-Pot Preparation of Copper/Zinc Oxide Nanoparticle-Coated Bandages. Membranes, 2021, 11, 462.	1.4	11

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55	H2O2 induces abnormal tail flexure inXenopus embryos: similarities with Paraquat teratogenic effects. Birth Defects Research Part B: Developmental and Reproductive Toxicology, 2006, 77, 238-243.	1.4	10
56	Histopathological effects induced by paraquat during Xenopus laevis primary myogenesis. Tissue and Cell, 2006, 38, 209-217.	1.0	8
57	What impact of air pollution in pediatric respiratory allergic diseases. Pediatric Allergy and Immunology, 2020, 31, 26-28.	1.1	7
58	In vitro copper oxide nanoparticle toxicity on intestinal barrier. Journal of Applied Toxicology, 2021, 41, 291-302.	1.4	6
59	Safety Assessment of Polypyrrole Nanoparticles and Spray-Coated Textiles. Nanomaterials, 2021, 11, 1991.	1.9	6
60	Histological studies on the zebra mussel Dreissena polymorpha reproduction from a DDT contaminated area in Lake Maggiore (N. Italy). Archiv FÃ¼r Hydrobiologie, 2003, 158, 233-248.	1.1	6
61	Antibacterial, Antibiofilm, and Antiviral Farnesol-Containing Nanoparticles Prevent Staphylococcus aureus from Drug Resistance Development. International Journal of Molecular Sciences, 2022, 23, 7527.	1.8	6
62	Combustion-derived particles from biomass sources differently promote epithelial-to-mesenchymal transition on A549 cells. Archives of Toxicology, 2021, 95, 1379-1390.	1.9	4
63	Charge and size-dependent toxicity of silver nanoparticles to yeast cells. Toxicology Letters, 2014, 229, S194-S195.	0.4	3
64	Cellular Mechanisms Involved in the Combined Toxic Effects of Diesel Exhaust and Metal Oxide Nanoparticles. Nanomaterials, 2021, 11, 1437.	1.9	3
65	Biological effects of combustion-derived particles from different biomass sources on human bronchial epithelial cells. Toxicology in Vitro, 2021, 75, 105190.	1.1	3
66	Determination of myoseverin embryotoxic potential by using FETAX. Birth Defects Research Part B: Developmental and Reproductive Toxicology, 2006, 77, 257-267.	1.4	0