

Sebastiano Di Bucchianico

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,195
citations

471509

17
h-index

414414

32
g-index

33
all docs

33
docs citations

33
times ranked

1947
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of single and multi walled carbon nanotubes on macrophages: Cyto and genotoxicity and electron microscopy. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 722, 20-31.	1.7	171
2	Can the comet assay be used reliably to detect nanoparticle-induced genotoxicity?. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 82-96.	2.2	110
3	Nickel Release, ROS Generation and Toxicity of Ni and NiO Micro- and Nanoparticles. <i>PLoS ONE</i> , 2016, 11, e0159684.	2.5	109
4	Genotoxicity of TiO ₂ nanoparticles assessed by mini-gel comet assay and micronucleus scoring with flow cytometry. <i>Mutagenesis</i> , 2017, 32, 127-137.	2.6	92
5	Nanomaterials and neurodegeneration. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 149-170.	2.2	70
6	Calcium-dependent cyto- and genotoxicity of nickel metal and nickel oxide nanoparticles in human lung cells. <i>Particle and Fibre Toxicology</i> , 2018, 15, 32.	6.2	70
7	RNA-sequencing reveals long-term effects of silver nanoparticles on human lung cells. <i>Scientific Reports</i> , 2018, 8, 6668.	3.3	68
8	Genotoxic and mutagenic properties of Ni and NiO nanoparticles investigated by comet assay, γ-H2AX staining, <i>hprt</i> mutation assay and ToxTracker reporter cell lines. <i>Environmental and Molecular Mutagenesis</i> , 2018, 59, 211-222.	2.2	64
9	Multiple cytotoxic and genotoxic effects induced in vitro by differently shaped copper oxide nanomaterials. <i>Mutagenesis</i> , 2013, 28, 287-299.	2.6	61
10	Aneuploidogenic effects and DNA oxidation induced in vitro by differently sized gold nanoparticles. <i>International Journal of Nanomedicine</i> , 2014, 9, 2191.	6.7	59
11	Effect of Atmospheric Aging on Soot Particle Toxicity in Lung Cell Models at the Air-Liquid Interface: Differential Toxicological Impacts of Biogenic and Anthropogenic Secondary Organic Aerosols (SOAs). <i>Environmental Health Perspectives</i> , 2022, 130, 27003.	6.0	44
12	Multiple endpoints to evaluate pristine and remediated titanium dioxide nanoparticles genotoxicity in lung epithelial A549 cells. <i>Toxicology Letters</i> , 2017, 276, 48-61.	0.8	38
13	Influence of wood species on toxicity of log-wood stove combustion aerosols: a parallel animal and air-liquid interface cell exposure study on spruce and pine smoke. <i>Particle and Fibre Toxicology</i> , 2020, 17, 27.	6.2	38
14	A panel of <i>in vitro</i> tests to evaluate genotoxic and morphological neoplastic transformation potential on <i>Balb/3T3</i> cells by pristine and remediated titania and zirconia nanoparticles. <i>Mutagenesis</i> , 2016, 31, 511-529.	2.6	27
15	Dry Generation of CeO ₂ Nanoparticles and Deposition onto a Co-Culture of A549 and THP-1 Cells in Air-Liquid Interface—Dosimetry Considerations and Comparison to Submerged Exposure. <i>Nanomaterials</i> , 2020, 10, 618.	4.1	27
16	Silver nanoparticles modulate lipopolysaccharide-triggered Toll-like receptor signaling in immune-competent human cell lines. <i>Nanoscale Advances</i> , 2020, 2, 648-658.	4.6	18
17	Transcriptome Profiling and Toxicity Following Long-Term, Low Dose Exposure of Human Lung Cells to Ni and NiO Nanoparticles—Comparison with NiCl ₂ . <i>Nanomaterials</i> , 2020, 10, 649.	4.1	18
18	Exposure to naphthalene and β -pinene-derived secondary organic aerosol induced divergent changes in transcript levels of BEAS-2B cells. <i>Environment International</i> , 2022, 166, 107366.	10.0	18

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19	Atomic Force Microscope nanolithography on chromosomes to generate single-cell genetic probes. <i>Journal of Nanobiotechnology</i> , 2011, 9, 27.	9.1	13
20	Effects of ozone exposure on human epithelial adenocarcinoma and normal fibroblasts cells. <i>PLoS ONE</i> , 2017, 12, e0184519.	2.5	13
21	<i>In vivo</i> micronucleus screening in zebrafish by flow cytometry. <i>Mutagenesis</i> , 2016, 31, 643-653.	2.6	12
22	Genotoxic and inflammatory effects of spruce and brown coal briquettes combustion aerosols on lung cells at the air-liquid interface. <i>Science of the Total Environment</i> , 2022, 806, 150489.	8.0	9
23	In vitro genotoxicity of dibutyl phthalate on A549 lung cells at air-liquid interface in exposure concentrations relevant at workplaces. <i>Environmental and Molecular Mutagenesis</i> , 2021, 62, 490-501.	2.2	9
24	Cyto- and genotoxicity assessment of Gold nanoparticles obtained by laser ablation in A549 lung adenocarcinoma cells. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	8
25	Dried Blood Spot (DBS) Methodology Study for Biomarker Discovery in Lysosomal Storage Disease (LSD). <i>Metabolites</i> , 2021, 11, 382.	2.9	7
26	Cytogenetic stability of chicken cell line transformed with Marek's disease virus: atomic force microscope, a new tool for investigation. <i>Journal of Molecular Recognition</i> , 2011, 24, 608-618.	2.1	5
27	Investigation of Chemical Composition and Fiber-Occurrence in Inhalable Particulate Matter Obtained from Dry Cutting Processes of Carbon Fiber Reinforced Concrete Composite, Concrete and the Carbon Fiber Reinforcement Materials. <i>Aerosol Science and Engineering</i> , 2021, 5, 292-306.	1.9	4
28	Adenine derivatization for LC-MS/MS epigenetic DNA modifications studies on monocytic THP-1 cells exposed to reference particulate matter. <i>Analytical Biochemistry</i> , 2021, 618, 114127.	2.4	3
29	Impact of Thermal Stress on Abrasive Dust from a Carbon Fiber-Reinforced Concrete Composite. <i>Fibers</i> , 2022, 10, 39.	4.0	3
30	The In Vitro Micronucleus Assay and FISH Analysis. <i>Methods in Pharmacology and Toxicology</i> , 2014, , 73-102.	0.2	2
31	Is the particle deposition in a cell exposure facility comparable to the lungs? A computer model approach. <i>Aerosol Science and Technology</i> , 2020, 54, 668-684.	3.1	2
32	A comparative study of persistent DNA oxidation and chromosomal instability induced in vitro by oxidizers and reference airborne particles. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 874-875, 503446.	1.7	2
33	Impact of Volatile and Semi-volatile Organic Compounds from Farming Environments on Allergy-Related Cellular Processes. <i>Exposure and Health</i> , 2022, 14, 185-201.	4.9	1