

Massimiliano G Bianchi

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,321
citations

393982

19
h-index

360668

35
g-index

46
all docs

46
docs citations

46
times ranked

2505
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxicity determinants of multi-walled carbon nanotubes: The relationship between functionalization and agglomeration. <i>Toxicology Reports</i> , 2016, 3, 230-243.	1.6	141
2	Dependence on glutamine uptake and glutamine addiction characterize myeloma cells: a new attractive target. <i>Blood</i> , 2016, 128, 667-679.	0.6	128
3	Asparagine Synthetase in Cancer: Beyond Acute Lymphoblastic Leukemia. <i>Frontiers in Oncology</i> , 2019, 9, 1480.	1.3	100
4	Non-functionalized multi-walled carbon nanotubes alter the paracellular permeability of human airway epithelial cells. <i>Toxicology Letters</i> , 2008, 178, 95-102.	0.4	91
5	GPNA inhibits the sodium-independent transport system I for neutral amino acids. <i>Amino Acids</i> , 2017, 49, 1365-1372.	1.2	72
6	Proinflammatory Effects of Pyrogenic and Precipitated Amorphous Silica Nanoparticles in Innate Immunity Cells. <i>Toxicological Sciences</i> , 2016, 150, 40-53.	1.4	65
7	Changes in the expression of the glutamate transporter EAAT3/EAAC1 in health and disease. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 2001-2015.	2.4	63
8	Thermal treatment to increase titanium wettability induces selective proteins adsorption from blood serum thus affecting osteoblasts adhesion. <i>Materials Science and Engineering C</i> , 2020, 107, 110250.	3.8	53
9	Shape-Related Toxicity of Titanium Dioxide Nanofibres. <i>PLoS ONE</i> , 2016, 11, e0151365.	1.1	47
10	Titanium dental implants hydrophilicity promotes preferential serum fibronectin over albumin competitive adsorption modulating early cell response. <i>Materials Science and Engineering C</i> , 2020, 117, 111307.	3.8	44
11	Cerium Oxide Nanoparticles Rescue α -Synuclein-Induced Toxicity in a Yeast Model of Parkinson's Disease. <i>Nanomaterials</i> , 2020, 10, 235.	1.9	40
12	Catechin and Procyanidin B2 Modulate the Expression of Tight Junction Proteins but Do Not Protect from Inflammation-Induced Changes in Permeability in Human Intestinal Cell Monolayers. <i>Nutrients</i> , 2019, 11, 2271.	1.7	32
13	Glutamine stimulates mTORC1 independent of the cell content of essential amino acids. <i>Amino Acids</i> , 2012, 43, 2561-2567.	1.2	29
14	Identifying contact-mediated, localized toxic effects of MWCNT aggregates on epithelial monolayers: a single-cell monitoring toxicity assay. <i>Nanotoxicology</i> , 2015, 9, 230-241.	1.6	28
15	Lipopolysaccharide Adsorbed to the Bio-Corona of TiO ₂ Nanoparticles Powerfully Activates Selected Pro-inflammatory Transduction Pathways. <i>Frontiers in Immunology</i> , 2017, 8, 866.	2.2	27
16	Imogolite: An Aluminosilicate Nanotube Endowed with Low Cytotoxicity and Genotoxicity. <i>Chemical Research in Toxicology</i> , 2014, 27, 1142-1154.	1.7	26
17	The effect of laser therapy on the expression of osteocalcin and osteopontin after tooth extraction in rats treated with zoledronate and dexamethasone. <i>Supportive Care in Cancer</i> , 2016, 24, 807-813.	1.0	26
18	Titanium dioxide nanoparticles enhance macrophage activation by LPS through a TLR4-dependent intracellular pathway. <i>Toxicology Research</i> , 2015, 4, 385-398.	0.9	22

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19	Myeloma Cells Deplete Bone Marrow Glutamine and Inhibit Osteoblast Differentiation Limiting Asparagine Availability. <i>Cancers</i> , 2020, 12, 3267.	1.7	22
20	Differences in toxicity, mitochondrial function and miRNome in human cells exposed in vitro to Cd as CdS quantum dots or ionic Cd. <i>Journal of Hazardous Materials</i> , 2020, 393, 122430.	6.5	21
21	PACT-mediated PKR activation acts as a hyperosmotic stress intensity sensor weakening osmoadaptation and enhancing inflammation. <i>ELife</i> , 2020, 9, .	2.8	21
22	Oligodendrogloma Cells Lack Glutamine Synthetase and Are Auxotrophic for Glutamine, but Do not Depend on Glutamine Anaplerosis for Growth. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1099.	1.8	20
23	The potential of inhibiting glutamine uptake as a therapeutic target for multiple myeloma. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 231-234.	1.5	18
24	PKC-dependent stimulation of EAAT3 glutamate transporter does not require the integrity of actin cytoskeleton. <i>Neurochemistry International</i> , 2006, 48, 341-349.	1.9	16
25	Coordinated Regulation of the Neutral Amino Acid Transporter SNAT2 and the Protein Phosphatase Subunit GADD34 Promotes Adaptation to Increased Extracellular Osmolarity. <i>Journal of Biological Chemistry</i> , 2015, 290, 17822-17837.	1.6	16
26	Comparative in Vitro Cytotoxicity of Realistic Doses of Benchmark Multi-Walled Carbon Nanotubes towards Macrophages and Airway Epithelial Cells. <i>Nanomaterials</i> , 2019, 9, 982.	1.9	16
27	Immune-Mediated Inflammatory Responses of Alveolar Epithelial Cells: Implications for COVID-19 Lung Pathology. <i>Biomedicines</i> , 2022, 10, 618.	1.4	16
28	Comparative effects of metal oxide nanoparticles on human airway epithelial cells and macrophages. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	14
29	Plasma Proteins at the Interface of Dental Implants Modulate Osteoblasts Focal Adhesions Expression and Cytoskeleton Organization. <i>Nanomaterials</i> , 2019, 9, 1407.	1.9	14
30	ALL blasts drive primary mesenchymal stromal cells to increase asparagine availability during asparaginase treatment. <i>Blood Advances</i> , 2021, 5, 5164-5178.	2.5	14
31	Functional Fibronectin Adsorption on Aptamer-Doped Chitosan Modulates Cell Morphology by Integrin-Mediated Pathway. <i>Materials</i> , 2019, 12, 812.	1.3	13
32	The ATRA-dependent overexpression of the glutamate transporter EAAC1 requires RAR α 2 induction. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1861-1868.	1.4	11
33	Length-dependent toxicity of TiO ₂ nanofibers: mitigation via shortening. <i>Nanotoxicology</i> , 2020, 14, 433-452.	1.6	11
34	Functional analysis of OCTN2 and ATBO,+ in normal human airway epithelial cells. <i>PLoS ONE</i> , 2020, 15, e0228568.	1.1	9
35	The Role of Amino Acids in the Crosstalk Between Mesenchymal Stromal Cells and Neoplastic Cells in the Hematopoietic Niche. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 714755.	1.8	9
36	Analysis of LPI-causing mutations on γ -LAT1 function and localization. <i>Orphanet Journal of Rare Diseases</i> , 2019, 14, 63.	1.2	6

#	ARTICLE	IF	CITATIONS
37	Pyrogenic and Precipitated Amorphous Silica Nanoparticles Differentially Affect Cell Responses to LPS in Human Macrophages. <i>Nanomaterials</i> , 2020, 10, 1395.	1.9	6
38	Functional Consequences of Low Activity of Transport System A for Neutral Amino Acids in Human Bone Marrow Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1899.	1.8	6
39	Data on miRNome changes in human cells exposed to nano- or ionic- forms of Cadmium. <i>Data in Brief</i> , 2020, 30, 105636.	0.5	3
40	Evaluation of potential engineered nanomaterials impacts on human health: from risk for workers to impact on consumers. , 2019, , 263-287.		1
41	The TLR4/NF κ B-Dependent Inflammatory Response Activated by LPS Is Inhibited in Human Macrophages Pre-Exposed to Amorphous Silica Nanoparticles. <i>Nanomaterials</i> , 2022, 12, 2307.	1.9	1
42	The expression of the glutamate transporter EAAC1 is stimulated by all-trans retinoic acid in C6 rat glioma cells. <i>FASEB Journal</i> , 2008, 22, 1168.3.	0.2	0
43	Glutamine Synthetase plays a dual role in the dependence of human cancer cells from glutamine. <i>FASEB Journal</i> , 2012, 26, 145.18.	0.2	0