

Massimiliano G Bianchi

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.

40
papers

864
citations

16
h-index

28
g-index

46
ext. papers

1,110
ext. citations

5
avg, IF

4.11
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 40 | Toxicity determinants of multi-walled carbon nanotubes: The relationship between functionalization and agglomeration. <i>Toxicology Reports</i> , 2016 , 3, 230-243 | 4.8 | 116 |
| 39 | Dependence on glutamine uptake and glutamine addiction characterize myeloma cells: a new attractive target. <i>Blood</i> , 2016 , 128, 667-79 | 2.2 | 85 |
| 38 | Non-functionalized multi-walled carbon nanotubes alter the paracellular permeability of human airway epithelial cells. <i>Toxicology Letters</i> , 2008 , 178, 95-102 | 4.4 | 81 |
| 37 | Changes in the expression of the glutamate transporter EAAT3/EAAC1 in health and disease. <i>Cellular and Molecular Life Sciences</i> , 2014 , 71, 2001-15 | 10.3 | 50 |
| 36 | Proinflammatory Effects of Pyrogenic and Precipitated Amorphous Silica Nanoparticles in Innate Immunity Cells. <i>Toxicological Sciences</i> , 2016 , 150, 40-53 | 4.4 | 48 |
| 35 | Asparagine Synthetase in Cancer: Beyond Acute Lymphoblastic Leukemia. <i>Frontiers in Oncology</i> , 2019 , 9, 1480 | 5.3 | 41 |
| 34 | Shape-Related Toxicity of Titanium Dioxide Nanofibres. <i>PLoS ONE</i> , 2016 , 11, e0151365 | 3.7 | 39 |
| 33 | GPNA inhibits the sodium-independent transport system L for neutral amino acids. <i>Amino Acids</i> , 2017 , 49, 1365-1372 | 3.5 | 36 |
| 32 | 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 | 8.3 | 35 |
| 31 | Identifying contact-mediated, localized toxic effects of MWCNT aggregates on epithelial monolayers: a single-cell monitoring toxicity assay. <i>Nanotoxicology</i> , 2015 , 9, 230-41 | 5.3 | 26 |
| 30 | Imogolite: an aluminosilicate nanotube endowed with low cytotoxicity and genotoxicity. <i>Chemical Research in Toxicology</i> , 2014 , 27, 1142-54 | 4 | 25 |
| 29 | Glutamine stimulates mTORC1 independent of the cell content of essential amino acids. <i>Amino Acids</i> , 2012 , 43, 2561-7 | 3.5 | 24 |
| 28 | Titanium dioxide nanoparticles enhance macrophage activation by LPS through a TLR4-dependent intracellular pathway. <i>Toxicology Research</i> , 2015 , 4, 385-398 | 2.6 | 20 |
| 27 | Cerium Oxide Nanoparticles Rescue β Synuclein-Induced Toxicity in a Yeast Model of Parkinson's Disease. <i>Nanomaterials</i> , 2020 , 10, | 5.4 | 20 |
| 26 | Lipopolysaccharide Adsorbed to the Bio-Corona of TiO Nanoparticles Powerfully Activates Selected Pro-inflammatory Transduction Pathways. <i>Frontiers in Immunology</i> , 2017 , 8, 866 | 8.4 | 19 |
| 25 | 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 | 3.9 | 16 |
| 24 | PKC-dependent stimulation of EAAT3 glutamate transporter does not require the integrity of actin cytoskeleton. <i>Neurochemistry International</i> , 2006 , 48, 341-9 | 4.4 | 16 |

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| 23 | 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 | 5.4 | 14 |
| 22 | 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 | 8.3 | 14 |
| 21 | Catechin and Procyanidin B 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, | 6.7 | 13 |
| 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 | 12.8 | 13 |
| 19 | Comparative in Vitro Cytotoxicity of Realistic Doses of Benchmark Multi-Walled Carbon Nanotubes towards Macrophages and Airway Epithelial Cells. <i>Nanomaterials</i> , 2019 , 9, | 5.4 | 13 |
| 18 | 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, | 6.3 | 12 |
| 17 | The ATRA-dependent overexpression of the glutamate transporter EAAC1 requires RARbeta induction. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009 , 1788, 1861-8 | 3.8 | 11 |
| 16 | Comparative effects of metal oxide nanoparticles on human airway epithelial cells and macrophages. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1 | 2.3 | 10 |
| 15 | Functional Fibronectin Adsorption on Aptamer-Doped Chitosan Modulates Cell Morphology by Integrin-Mediated Pathway. <i>Materials</i> , 2019 , 12, | 3.5 | 9 |
| 14 | Length-dependent toxicity of TiO nanofibers: mitigation via shortening. <i>Nanotoxicology</i> , 2020 , 14, 433-452 | 5.2 | 8 |
| 13 | PACT-mediated PKR activation acts as a hyperosmotic stress intensity sensor weakening osmoadaptation and enhancing inflammation. <i>ELife</i> , 2020 , 9, | 8.9 | 7 |
| 12 | Myeloma Cells Deplete Bone Marrow Glutamine and Inhibit Osteoblast Differentiation Limiting Asparagine Availability. <i>Cancers</i> , 2020 , 12, | 6.6 | 7 |
| 11 | Plasma Proteins at the Interface of Dental Implants Modulate Osteoblasts Focal Adhesions Expression and Cytoskeleton Organization. <i>Nanomaterials</i> , 2019 , 9, | 5.4 | 5 |
| 10 | Analysis of LPI-causing mutations on γ -LAT1 function and localization. <i>Orphanet Journal of Rare Diseases</i> , 2019 , 14, 63 | 4.2 | 5 |
| 9 | Functional analysis of OCTN2 and ATB0,+ in normal human airway epithelial cells. <i>PLoS ONE</i> , 2020 , 15, e0228568 | 3.7 | 5 |
| 8 | 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, | 6.3 | 4 |
| 7 | Data on miRNome changes in human cells exposed to nano- or ionic- forms of Cadmium. <i>Data in Brief</i> , 2020 , 30, 105636 | 1.2 | 3 |
| 6 | Pyrogenic and Precipitated Amorphous Silica Nanoparticles Differentially Affect Cell Responses to LPS in Human Macrophages. <i>Nanomaterials</i> , 2020 , 10, | 5.4 | 2 |

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| 5 | ALL blasts drive primary mesenchymal stromal cells to increase asparagine availability during asparaginase treatment. <i>Blood Advances</i> , 2021 , 5, 5164-5178 | 7.8 | 1 |
| 4 | 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 | 5.7 | 1 |
| 3 | Evaluation of potential engineered nanomaterials impacts on human health: from risk for workers to impact on consumers 2019 , 263-287 | | 0 |
| 2 | 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 | 0.9 | |
| 1 | Glutamine Synthetase plays a dual role in the dependence of human cancer cells from glutamine. <i>FASEB Journal</i> , 2012 , 26, 145.18 | 0.9 | |