Maria A MariggiÃ²

List of Publications by Year
in descending order

65 papers	2,341 citations	218677 26 h-index	214800 47 g-index
66 all docs	66 docs citations	66 times ranked	3743 citing authors

#	Article	IF	Citations
1	The Oxidative Balance Orchestrates the Main Keystones of the Functional Activity of Cardiomyocytes. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-33.	4.0	5
2	Mice lacking growth-associated protein 43 develop cardiac remodeling and hypertrophy. Histochemistry and Cell Biology, 2022, , 1.	1.7	3
3	A Protective Strategy to Counteract the Oxidative Stress Induced by Simulated Microgravity on H9C2 Cardiomyocytes. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-18.	4.0	7
4	A Novel Role of Ascorbic Acid in Anti-Inflammatory Pathway and ROS Generation in HEMA Treated Dental Pulp Stem Cells. Materials, 2020, 13, 130.	2.9	36
5	Microgravity-Induced Cell-to-Cell Junctional Contacts Are Counteracted by Antioxidant Compounds in TCam-2 Seminoma Cells. Applied Sciences (Switzerland), 2020, 10, 8289.	2.5	3
6	MeniÃ¨re's disease patients improve specific posturographic parameters following diagnostic intratympanic injection. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2020, 41, 102468.	1.3	3
7	Antioxidant Strategy to Prevent Simulated Microgravity-Induced Effects on Bone Osteoblasts. International Journal of Molecular Sciences, 2020, 21, 3638.	4.1	21
8	Physiological Responses of Jurkat Lymphocytes to Simulated Microgravity Conditions. International Journal of Molecular Sciences, 2019, 20, 1892.	4.1	12
9	Mesenchymal Stem Cells from Nucleus Pulposus and Neural Differentiation Potential: a Continuous Challenge. Journal of Molecular Neuroscience, 2019, 67, 111-124.	2.3	13
10	Assembly and Functional Analysis of an S/MAR Based Episome with the Cystic Fibrosis Transmembrane Conductance Regulator Gene. International Journal of Molecular Sciences, 2018, 19, 1220.	4.1	8
11	Cardiomyocytes Derived from Human CardiopoieticAmniotic Fluids. Scientific Reports, 2018, 8, 12028.	3.3	18
12	Transient increases in intracellular calcium and reactive oxygen species levels in TCam-2 cells exposed to microgravity. Scientific Reports, 2017, 7, 15648.	3.3	24
13	Extremely Low-Frequency Electromagnetic Fields Affect Myogenic Processes in C2C12 Myoblasts: Role of Gap-Junction-Mediated Intercellular Communication. BioMed Research International, 2017, 2017, 1-10.	1.9	1
14	Evidence for Altered Ca2+ Handling in Growth Associated Protein 43-Knockout Skeletal Muscle. Frontiers in Physiology, 2016, 7, 493.	2.8	13
15	Adhesion of human gingival fibroblasts/Streptococcus mitis co-culture on the nanocomposite system Chitlac-nAg. Journal of Materials Science: Materials in Medicine, 2016, 27, 88.	3.6	14
16	Nuclear translocation of PKCÎ± isoenzyme is involved in neurogenic commitment of human neural crest-derived periodontal ligament stem cells. Cellular Signalling, 2016, 28, 1631-1641.	3.6	40
17	Responses of peripheral blood mononuclear cells to moderate exercise and hypoxia. Scandinavian Journal of Medicine and Science in Sports, 2016, 26, 1188-1199.	2.9	16
18	Altered Kv2.1 functioning promotes increased excitability in hippocampal neurons of an Alzheimerâ€™s disease mouse model. Cell Death and Disease, 2016, 7, e2100-e2100.	6.3	75

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19	RCCS Bioreactor-Based Modelled Microgravity Induces Significant Changes onIn Vitro3D Neuroglial Cell Cultures. BioMed Research International, 2015, 2015, 1-14.	1.9	30
20	Molecular and Phenotypic Characterization of Human Amniotic Fluid-Derived Cells: A Morphological and Proteomic Approach. Stem Cells and Development, 2015, 24, 1415-1428.	2.1	27
21	Calcitonin-Induced Effects on Amniotic Fluid-Derived Mesenchymal Stem Cells. Cellular Physiology and Biochemistry, 2015, 36, 259-273.	1.6	8
22	Human Mesenchymal Stem Cells Reendothelialize Porcine Heart Valve Scaffolds: Novel Perspectives in Heart Valve Tissue Engineering. BioResearch Open Access, 2015, 4, 288-297.	2.6	17
23	New Insights into the Relationship between mIGF-1-Induced Hypertrophy and Ca2+ Handling in Differentiated Satellite Cells. PLoS ONE, 2014, 9, e107753.	2.5	5
24	Specific association of growth-associated protein 43 with calcium release units in skeletal muscles of lower vertebrates. European Journal of Histochemistry, 2014, 58, 2453.	1.5	8
25	Hearing, vestibular reactivity and postural stability after 21-day period at high altitude. Sport Sciences for Health, 2014, 10, 119.	1.3	3
26	Increased iNOS activity in vascular smooth muscle cells from diabetic rats: Potential role of Ca2+/calmodulin-dependent protein kinase II delta 2 (CaMKIIÎ´2). Atherosclerosis, 2013, 226, 88-94.	0.8	23
27	Grape seed extract triggers apoptosis in Caco-2 human colon cancer cells through reactive oxygen species and calcium increase: extracellular signal-regulated kinase involvement. British Journal of Nutrition, 2013, 110, 797-809.	2.3	22
28	Growth Associated Protein 43 Is Expressed in Skeletal Muscle Fibers and Is Localized in Proximity of Mitochondria and Calcium Release Units. PLoS ONE, 2013, 8, e53267.	2.5	24
29	Morphological and Metabolic Changes in the Nigro-Striatal Pathway of Synthetic Proteasome Inhibitor (PSI)-Treated Rats: A MRI and MRS Study. PLoS ONE, 2013, 8, e56501.	2.5	16
30	Calcium Sensing Receptor Expression in Ovine Amniotic Fluid Mesenchymal Stem Cells and the Potential Role of R-568 during Osteogenic Differentiation. PLoS ONE, 2013, 8, e73816.	2.5	20
31	Effects of dexpramipexole on brain mitochondrial conductances and cellular bioenergetic efficiency. Brain Research, 2012, 1446, 1-11.	2.2	46
32	Quantitative shape analysis of chemoresistant colon cancer cells: Correlation between morphotype and phenotype. Experimental Cell Research, 2012, 318, 835-846.	2.6	41
33	Calcimimetic R-568 and Its Enantiomer S-568 Increase Nitric Oxide Release in Human Endothelial Cells. PLoS ONE, 2012, 7, e30682.	2.5	26
34	Bcl-xL regulates metabolic efficiency of neurons through interaction with the mitochondrial F1FO ATP synthase. Nature Cell Biology, 2011, 13, 1224-1233.	10.3	245
35	Dysfunctional CFTR Alters the Bactericidal Activity of Human Macrophages against Pseudomonas aeruginosa. PLoS ONE, 2011, 6, e19970.	2.5	128
36	Effect of pre-breathing oxygen at different depth on oxidative status and calcium concentration in lymphocytes of scuba divers. Acta Physiologica, 2011, 202, 69-78.	3.8	35

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37	Modulation of redox status and calcium handling by extremely low frequency electromagnetic fields in C2C12 muscle cells: A real-time, single-cell approach. Free Radical Biology and Medicine, 2010, 48, 579-589.	2.9	82
38	Functional Characterization of Calcium-Signaling Pathways of Human Skin-Derived Mesenchymal Stem Cells. Skin Pharmacology and Physiology, 2010, 23, 124-132.	2.5	39
39	Effects of Acute and Chronic Low Frequency Electromagnetic Field Exposure on PC12 Cells during Neuronal Differentiation. Cellular Physiology and Biochemistry, 2010, 26, 947-958.	1.6	64
40	Peripheral Blood Lymphocytes: A Model for Monitoring Physiological Adaptation to High Altitude. High Altitude Medicine and Biology, 2010, 11, 333-342.	0.9	21
41	Extracellular guanosine and GTP promote expression of differentiation markers and induce Sâ€phase cellâ€cycle arrest in human SHâ€SY5Y neuroblastoma cells. International Journal of Developmental Neuroscience, 2009, 27, 135-147.	1.6	48
42	Oxidative-induced membrane damage in diabetes lymphocytes: Effects on intracellular Ca^{2 +}homeostasis. Free Radical Research, 2009, 43, 138-148.	3.3	30
43	Bacterial response to the exposure of 50 Hz electromagnetic fields. Bioelectromagnetics, 2008, 29, 302-311.	1.6	86
44	IgIII (270â€“280)-fragment-like H2N-DDSDEEN-COOH peptide modulates N-CAM expression via Ca2+-dependent ERK signaling during â€œin vitro neurogenesisâ€• Peptides, 2008, 29, 1486-1497.	2.4	4
45	Chronic exposure to 50Hz magnetic fields causes a significant weakening of antioxidant defence systems in aged rat brain. International Journal of Biochemistry and Cell Biology, 2008, 40, 2762-2770.	2.8	81
46	Organ-specific manganese toxicity: a comparative in vitro study on five cellular models exposed to MnCl2. Toxicology in Vitro, 2007, 21, 284-292.	2.4	26
47	Signal transduction events induced by extracellular guanosine 5â€²triphosphate in excitable cells. Purinergic Signalling, 2006, 2, 633-636.	2.2	13
48	Tumor necrosis factorâ€related apoptosisâ€inducing ligand (TRAIL) regulates endothelial nitric oxide synthase (eNOS) activity and its localization within the human vein endothelial cells (HUVEC) in culture. Journal of Cellular Biochemistry, 2006, 97, 782-794.	2.6	32
49	Defective One- or Two-electron Reduction of the Anticancer Anthracycline Epirubicin in Human Heart. Journal of Biological Chemistry, 2006, 281, 10990-11001.	3.4	88
50	Cooperation in signal transduction of extracellular guanosine 5â€² triphosphate and nerve growth factor in neuronal differentiation of PC12 cells. Neuroscience, 2004, 128, 697-712.	2.3	25
51	Modification of the functional capacity of sarcoplasmic reticulum membranes in patients suffering from chronic fatigue syndrome. Neuromuscular Disorders, 2003, 13, 479-484.	0.6	28
52	N-CAM expression and localization in PC12 cells modulated by extracellular peptides. Peptides, 2002, 23, 2151-2161.	2.4	9
53	The mechanism involved in the regulation of phospholipase CÎ³1 activity in cell migration. Oncogene, 2002, 21, 6520-6529.	5.9	103
54	Characterization of specific GTP binding sites in C2C12 mouse skeletal muscle cells. Journal of Muscle Research and Cell Motility, 2002, 23, 107-118.	2.0	26

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55	Calcium-mediated transductive systems and functionally active gap junctions in astrocyte-like GL15 cells. BMC Physiology, 2001, 1, 4.	3.6	9
56	Calcium and Fos Involvement in Brain-Derived Ca2+ -Binding Protein (S100)-Dependent Apoptosis in Rat Phaeochromocytoma Cells. Experimental Physiology, 2000, 85, 243-253.	2.0	9
57	Extracellular guanosine 5â€² triphosphate enhances nerve growth factor-induced neurite outgrowth via increases in intracellular calcium. Neuroscience, 2000, 96, 817-824.	2.3	58
58	Rapid desensitization of PC12 cells stimulated with high concentrations of extracellular S100. Neuroscience, 1999, 89, 991-997.	2.3	15
59	Nerve growth factor inhibits apoptosis induced by S-100 binding in neuronal PC12 cells. Neuroscience, 1996, 76, 159-166.	2.3	21
60	The S-100: A protein family in search of a function. Progress in Neurobiology, 1995, 46, 71-82.	5.7	205
61	Activation of Cord T Lymphocytes. Cellular Immunology, 1994, 155, 205-218.	3.0	4
62	The brain protein S-100ab induces apoptosis in PC12 cells. Neuroscience, 1994, 60, 29-35.	2.3	87
63	Alteration of membrane transductive mechanisms induced by ethanol in human lymphocyte cultures. Cellular Signalling, 1993, 5, 139-143.	3.6	20
64	The S-100 protein causes an increase of intracellular calcium and death of PC12 cells. Neuroscience, 1993, 53, 919-925.	2.3	64
65	Possible specific activation of RNA synthesis in PC-12 cell isolated nuclei by small acidic peptides. American Journal of Physiology - Cell Physiology, 1993, 265, C1220-C1223.	4.6	8