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List of Publications by Year in descending order

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Version: 2024-02-01

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	Bcl-xL regulates metabolic efficiency of neurons through interaction with the mitochondrial F1FO ATP synthase. <i>Nature Cell Biology</i> , 2011, 13, 1224-1233.	10.3	245
2	The S-100: A protein family in search of a function. <i>Progress in Neurobiology</i> , 1995, 46, 71-82.	5.7	205
3	Dysfunctional CFTR Alters the Bactericidal Activity of Human Macrophages against <i>Pseudomonas aeruginosa</i> . <i>PLoS ONE</i> , 2011, 6, e19970.	2.5	128
4	The mechanism involved in the regulation of phospholipase C β 1 activity in cell migration. <i>Oncogene</i> , 2002, 21, 6520-6529.	5.9	103
5	Defective One- or Two-electron Reduction of the Anticancer Anthracycline Epirubicin in Human Heart. <i>Journal of Biological Chemistry</i> , 2006, 281, 10990-11001.	3.4	88
6	The brain protein S-100ab induces apoptosis in PC12 cells. <i>Neuroscience</i> , 1994, 60, 29-35.	2.3	87
7	Bacterial response to the exposure of 50 Hz electromagnetic fields. <i>Bioelectromagnetics</i> , 2008, 29, 302-311.	1.6	86
8	Modulation of redox status and calcium handling by extremely low frequency electromagnetic fields in C2C12 muscle cells: A real-time, single-cell approach. <i>Free Radical Biology and Medicine</i> , 2010, 48, 579-589.	2.9	82
9	Chronic exposure to 50Hz magnetic fields causes a significant weakening of antioxidant defence systems in aged rat brain. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 2762-2770.	2.8	81
10	Altered Kv2.1 functioning promotes increased excitability in hippocampal neurons of an Alzheimer's disease mouse model. <i>Cell Death and Disease</i> , 2016, 7, e2100-e2100.	6.3	75
11	The S-100 protein causes an increase of intracellular calcium and death of PC12 cells. <i>Neuroscience</i> , 1993, 53, 919-925.	2.3	64
12	Effects of Acute and Chronic Low Frequency Electromagnetic Field Exposure on PC12 Cells during Neuronal Differentiation. <i>Cellular Physiology and Biochemistry</i> , 2010, 26, 947-958.	1.6	64
13	Extracellular guanosine 5'-triphosphate enhances nerve growth factor-induced neurite outgrowth via increases in intracellular calcium. <i>Neuroscience</i> , 2000, 96, 817-824.	2.3	58
14	Extracellular guanosine and GTP promote expression of differentiation markers and induce G ₀ /G ₁ phase cell cycle arrest in human SH-SY5Y neuroblastoma cells. <i>International Journal of Developmental Neuroscience</i> , 2009, 27, 135-147.	1.6	48
15	Effects of dexpropampridine on brain mitochondrial conductances and cellular bioenergetic efficiency. <i>Brain Research</i> , 2012, 1446, 1-11.	2.2	46
16	Quantitative shape analysis of chemoresistant colon cancer cells: Correlation between morphotype and phenotype. <i>Experimental Cell Research</i> , 2012, 318, 835-846.	2.6	41
17	Nuclear translocation of PKC δ isoenzyme is involved in neurogenic commitment of human neural crest-derived periodontal ligament stem cells. <i>Cellular Signalling</i> , 2016, 28, 1631-1641.	3.6	40
18	Functional Characterization of Calcium-Signaling Pathways of Human Skin-Derived Mesenchymal Stem Cells. <i>Skin Pharmacology and Physiology</i> , 2010, 23, 124-132.	2.5	39

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19	A Novel Role of Ascorbic Acid in Anti-Inflammatory Pathway and ROS Generation in HEMA Treated Dental Pulp Stem Cells. <i>Materials</i> , 2020, 13, 130.	2.9	36
20	Effect of pre-breathing oxygen at different depth on oxidative status and calcium concentration in lymphocytes of scuba divers. <i>Acta Physiologica</i> , 2011, 202, 69-78.	3.8	35
21	Tumor necrosis factor- α -related apoptosis-inducing ligand (TRAIL) regulates endothelial nitric oxide synthase (eNOS) activity and its localization within the human vein endothelial cells (HUVEC) in culture. <i>Journal of Cellular Biochemistry</i> , 2006, 97, 782-794.	2.6	32
22	Oxidative-induced membrane damage in diabetes lymphocytes: Effects on intracellular Ca ²⁺ homeostasis. <i>Free Radical Research</i> , 2009, 43, 138-148.	3.3	30
23	RCCS Bioreactor-Based Modelled Microgravity Induces Significant Changes on <i>In Vitro</i> 3D Neuroglial Cell Cultures. <i>BioMed Research International</i> , 2015, 2015, 1-14.	1.9	30
24	Modification of the functional capacity of sarcoplasmic reticulum membranes in patients suffering from chronic fatigue syndrome. <i>Neuromuscular Disorders</i> , 2003, 13, 479-484.	0.6	28
25	Molecular and Phenotypic Characterization of Human Amniotic Fluid-Derived Cells: A Morphological and Proteomic Approach. <i>Stem Cells and Development</i> , 2015, 24, 1415-1428.	2.1	27
26	Characterization of specific GTP binding sites in C2C12 mouse skeletal muscle cells. <i>Journal of Muscle Research and Cell Motility</i> , 2002, 23, 107-118.	2.0	26
27	Organ-specific manganese toxicity: a comparative in vitro study on five cellular models exposed to MnCl ₂ . <i>Toxicology in Vitro</i> , 2007, 21, 284-292.	2.4	26
28	Calcimimetic R-568 and Its Enantiomer S-568 Increase Nitric Oxide Release in Human Endothelial Cells. <i>PLoS ONE</i> , 2012, 7, e30682.	2.5	26
29	Cooperation in signal transduction of extracellular guanosine 5'-triphosphate and nerve growth factor in neuronal differentiation of PC12 cells. <i>Neuroscience</i> , 2004, 128, 697-712.	2.3	25
30	Growth Associated Protein 43 Is Expressed in Skeletal Muscle Fibers and Is Localized in Proximity of Mitochondria and Calcium Release Units. <i>PLoS ONE</i> , 2013, 8, e53267.	2.5	24
31	Transient increases in intracellular calcium and reactive oxygen species levels in TCam-2 cells exposed to microgravity. <i>Scientific Reports</i> , 2017, 7, 15648.	3.3	24
32	Increased iNOS activity in vascular smooth muscle cells from diabetic rats: Potential role of Ca ²⁺ /calmodulin-dependent protein kinase II δ 2 (CaMKII δ 2). <i>Atherosclerosis</i> , 2013, 226, 88-94.	0.8	23
33	Grape seed extract triggers apoptosis in Caco-2 human colon cancer cells through reactive oxygen species and calcium increase: extracellular signal-regulated kinase involvement. <i>British Journal of Nutrition</i> , 2013, 110, 797-809.	2.3	22
34	Nerve growth factor inhibits apoptosis induced by S-100 binding in neuronal PC12 cells. <i>Neuroscience</i> , 1996, 76, 159-166.	2.3	21
35	Peripheral Blood Lymphocytes: A Model for Monitoring Physiological Adaptation to High Altitude. <i>High Altitude Medicine and Biology</i> , 2010, 11, 333-342.	0.9	21
36	Antioxidant Strategy to Prevent Simulated Microgravity-Induced Effects on Bone Osteoblasts. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3638.	4.1	21

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37	Alteration of membrane transductive mechanisms induced by ethanol in human lymphocyte cultures. <i>Cellular Signalling</i> , 1993, 5, 139-143.	3.6	20
38	Calcium Sensing Receptor Expression in Ovine Amniotic Fluid Mesenchymal Stem Cells and the Potential Role of R-568 during Osteogenic Differentiation. <i>PLoS ONE</i> , 2013, 8, e73816.	2.5	20
39	Cardiomyocytes Derived from Human Cardiopoietic Amniotic Fluids. <i>Scientific Reports</i> , 2018, 8, 12028.	3.3	18
40	Human Mesenchymal Stem Cells Reendothelialize Porcine Heart Valve Scaffolds: Novel Perspectives in Heart Valve Tissue Engineering. <i>BioResearch Open Access</i> , 2015, 4, 288-297.	2.6	17
41	Morphological and Metabolic Changes in the Nigro-Striatal Pathway of Synthetic Proteasome Inhibitor (PSI)-Treated Rats: A MRI and MRS Study. <i>PLoS ONE</i> , 2013, 8, e56501.	2.5	16
42	Responses of peripheral blood mononuclear cells to moderate exercise and hypoxia. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016, 26, 1188-1199.	2.9	16
43	Rapid desensitization of PC12 cells stimulated with high concentrations of extracellular S100. <i>Neuroscience</i> , 1999, 89, 991-997.	2.3	15
44	Adhesion of human gingival fibroblasts/ <i>Streptococcus mitis</i> co-culture on the nanocomposite system Chitlac-nAg. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 88.	3.6	14
45	Signal transduction events induced by extracellular guanosine 5'â€²triphosphate in excitable cells. <i>Purinergic Signalling</i> , 2006, 2, 633-636.	2.2	13
46	Evidence for Altered Ca ²⁺ Handling in Growth Associated Protein 43-Knockout Skeletal Muscle. <i>Frontiers in Physiology</i> , 2016, 7, 493.	2.8	13
47	Mesenchymal Stem Cells from Nucleus Pulposus and Neural Differentiation Potential: a Continuous Challenge. <i>Journal of Molecular Neuroscience</i> , 2019, 67, 111-124.	2.3	13
48	Physiological Responses of Jurkat Lymphocytes to Simulated Microgravity Conditions. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1892.	4.1	12
49	Calcium and Fos Involvement in Brain-Derived Ca ²⁺ -Binding Protein (S100)-Dependent Apoptosis in Rat Pheochromocytoma Cells. <i>Experimental Physiology</i> , 2000, 85, 243-253.	2.0	9
50	Calcium-mediated transductive systems and functionally active gap junctions in astrocyte-like GL15 cells. <i>BMC Physiology</i> , 2001, 1, 4.	3.6	9
51	N-CAM expression and localization in PC12 cells modulated by extracellular peptides. <i>Peptides</i> , 2002, 23, 2151-2161.	2.4	9
52	Possible specific activation of RNA synthesis in PC-12 cell isolated nuclei by small acidic peptides. <i>American Journal of Physiology - Cell Physiology</i> , 1993, 265, C1220-C1223.	4.6	8
53	Specific association of growth-associated protein 43 with calcium release units in skeletal muscles of lower vertebrates. <i>European Journal of Histochemistry</i> , 2014, 58, 2453.	1.5	8
54	Calcitonin-Induced Effects on Amniotic Fluid-Derived Mesenchymal Stem Cells. <i>Cellular Physiology and Biochemistry</i> , 2015, 36, 259-273.	1.6	8

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55	Assembly and Functional Analysis of an S/MAR Based Episome with the Cystic Fibrosis Transmembrane Conductance Regulator Gene. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1220.	4.1	8
56	A Protective Strategy to Counteract the Oxidative Stress Induced by Simulated Microgravity on H9C2 Cardiomyocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-18.	4.0	7
57	New Insights into the Relationship between mIGF-1-Induced Hypertrophy and Ca ²⁺ Handling in Differentiated Satellite Cells. <i>PLoS ONE</i> , 2014, 9, e107753.	2.5	5
58	The Oxidative Balance Orchestrates the Main Keystones of the Functional Activity of Cardiomyocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-33.	4.0	5
59	Activation of Cord T Lymphocytes. <i>Cellular Immunology</i> , 1994, 155, 205-218.	3.0	4
60	IgIII (270-280)-fragment-like H2N-DDSDEEN-COOH peptide modulates N-CAM expression via Ca ²⁺ -dependent ERK signaling during <i>in vitro</i> neurogenesis. <i>Peptides</i> , 2008, 29, 1486-1497.	2.4	4
61	Hearing, vestibular reactivity and postural stability after 21-day period at high altitude. <i>Sport Sciences for Health</i> , 2014, 10, 119.	1.3	3
62	Microgravity-Induced Cell-to-Cell Junctional Contacts Are Counteracted by Antioxidant Compounds in TCam-2 Seminoma Cells. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8289.	2.5	3
63	Menière's disease patients improve specific posturographic parameters following diagnostic intratympanic injection. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2020, 41, 102468.	1.3	3
64	Mice lacking growth-associated protein 43 develop cardiac remodeling and hypertrophy. <i>Histochemistry and Cell Biology</i> , 2022, , 1.	1.7	3
65	Extremely Low-Frequency Electromagnetic Fields Affect Myogenic Processes in C2C12 Myoblasts: Role of Gap-Junction-Mediated Intercellular Communication. <i>BioMed Research International</i> , 2017, 2017, 1-10.	1.9	1