ClÃ¡udia dos Santos Mermelstein

List of Publications by Year
in descending order

80 papers	1,582 citations	430754 18 h-index	345118 36 g-index
85 all docs	85 docs citations	85 times ranked	2451 citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of YAP regulates muscle fiber size in a PKC-dependent mechanism during chick in vitro myogenesis. Journal of Muscle Research and Cell Motility, 2022, 43, 73-86.	0.9	3
2	The perinuclear region concentrates disordered proteins with predicted phase separation distributed in a 3D network of cytoskeletal filaments and organelles. Biochimica Et Biophysica Acta - Molecular Cell Research, 2022, 1869, 119161.	1.9	11
3	What does desmin do: A bibliometric assessment of the functions of the muscle intermediate filament. Experimental Biology and Medicine, 2022, 247, 538-550.	1.1	2
4	Simvastatin and Muscle: Zebrafish and Chicken Show that the Benefits are not Worth the Damage. Frontiers in Cell and Developmental Biology, 2022, 10, 778901.	1.8	2
5	Lipid Rafts from Olfactory Ensheathing Cells: Molecular Composition and Possible Roles. Cellular and Molecular Neurobiology, 2021, 41, 525-536.	1.7	11
6	A comparative study on the use of microscopy in pharmacology and cell biology research. PLoS ONE, 2021, 16, e0245795.	1.1	7
7	Adenosine Diphosphate Improves Wound Healing in Diabetic Mice Through P2Y12 Receptor Activation. Frontiers in Immunology, 2021, 12, 651740.	2.2	22
8	The Role of Embryonic Chick Muscle Cell Culture in the Study of Skeletal Myogenesis. Frontiers in Physiology, 2021, 12, 668600.	1.3	14
9	Dact1 is expressed during chicken and mouse skeletal myogenesis and modulated in human muscle diseases. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2021, 256, 110645.	0.7	5
10	Do medicine and cell biology talk to each other? A study of vocabulary similarities between fields. Brazilian Journal of Medical and Biological Research, 2021, 54, e11728.	0.7	3
11	New Findings on LMO7 Transcripts, Proteins and Regulatory Regions in Human and Vertebrate Model Organisms and the Intracellular Distribution in Skeletal Muscle Cells. International Journal of Molecular Sciences, 2021, 22, 12885.	1.8	2
12	Persistent mdx diaphragm alterations are accompanied by increased expression and activity of calcium and muscle-specific proteins. Histology and Histopathology, 2021, 36, 775-783.	0.5	1
13	Distinct interactions between epithelial and mesenchymal cells control cell morphology and collective migration during sponge epithelial to mesenchymal transition. Journal of Morphology, 2020, 281, 183-195.	0.6	3
14	The scaffolding protein calpain-3 has multiple distributions in embryonic chick muscle cells and it is essential for the formation of muscle fibers. Tissue and Cell, 2020, 67, 101436.	1.0	3
15	Acidic Compartment Size, Positioning, and Function during Myogenesis and Their Modulation by the Wnt/Beta-Catenin Pathway. BioMed Research International, 2020, 2020, 1-13.	0.9	6
16	Neutrophil Extracellular Traps (NETs) Promote Pro-Metastatic Phenotype in Human Breast Cancer Cells through Epithelialâ€“Mesenchymal Transition. Cancers, 2020, 12, 1542.	1.7	77
17	Resveratrol Modifies Lipid Composition of Two Cancer Cell Lines. BioMed Research International, 2020, 2020, 1-10.	0.9	7
18	Involvement of lipid microdomains in human endothelial cells infected by Streptococcus agalactiae type III belonging to the hypervirulent ST-17. Memorias Do Instituto Oswaldo Cruz, 2020, 115, e190398.	0.8	4

#	ARTICLE	IF	CITATIONS
19	Comparative study of calcium and calcium-related enzymes with differentiation markers in different ages and muscle types in mdx mice. Histology and Histopathology, 2020, 35, 203-216.	0.5	6
20	A role for gangliosides and Î²1â€integrin in the motility of olfactory ensheathing glia. Journal of Anatomy, 2019, 235, 977-983.	0.9	7
21	Increase in fatty acids and flotillins upon resveratrol treatment of human breast cancer cells. Scientific Reports, 2019, 9, 13960.	1.6	16
22	Isoproterenol induces an increase in muscle fiber size by the proliferation of Pax7â€positive cells and in a mTORâ€independent mechanism. Cell Biology International, 2019, 43, 1425-1434.	1.4	3
23	Reduced mitochondrial respiration and increased calcium deposits in the EDL muscle, but not in soleus, from 12-week-old dystrophic mdx mice. Scientific Reports, 2019, 9, 1986.	1.6	17
24	Î³â€Secretase Inhibition Induces Muscle Hypertrophy in a Notchâ€independent Mechanism. Proteomics, 2018, 18, 1700423.	1.3	6
25	Sonic Hedgehog signaling and Gli-1 during embryonic chick myogenesis. Biochemical and Biophysical Research Communications, 2018, 507, 496-502.	1.0	7
26	Tissue factor mediates microvesicles shedding from MDA-MB-231 breast cancer cells. Biochemical and Biophysical Research Communications, 2018, 502, 137-144.	1.0	13
27	Synthesis and pharmacological evaluation of novel isoquinoline N-sulphonylhydrazones designed as ROCK inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1181-1193.	2.5	9
28	New Rock Inhibitors Action Analysis in the Cytoskeleton and Cell Migration of Tumor Cell Line MDAâ€MB 231. FASEB Journal, 2018, 32, 836.7.	0.2	0
29	Analysis of undergraduate cell biology contents in Brazilian public universities. Cell Biology International, 2017, 41, 361-368.	1.4	5
30	Balance between S-nitrosylation and denitrosylation modulates myoblast proliferation independently of soluble guanylyl cyclase activation. American Journal of Physiology - Cell Physiology, 2017, 313, C11-C26.	2.1	14
31	ROCK inhibition with Fasudil induces beta-catenin nuclear translocation and inhibits cell migration of MDA-MB 231 human breast cancer cells. Scientific Reports, 2017, 7, 13723.	1.6	35
32	Distinct histomorphology for growth arrest and digitate outgrowth in cultivated Haliclona sp. (Porifera: Demospongiae). Journal of Morphology, 2017, 278, 1682-1688.	0.6	8
33	Cellular migration, transition and interaction during regeneration of the sponge Hymeniacidon heliophila. PLoS ONE, 2017, 12, e0178350.	1.1	10
34	PS1/Î³-Secretase-Mediated Cadherin Cleavage InducesÎ²-Catenin Nuclear Translocation and Osteogenic Differentiation of Human Bone Marrow Stromal Cells. Stem Cells International, 2016, 2016, 1-14.	1.2	7
35	Knockdown of Lmo7 inhibits chick myogenesis. FEBS Letters, 2016, 590, 317-329.	1.3	12
36	Membrane cholesterol depletion reduces breast tumor cell migration by a mechanism that involves non-canonical Wnt signaling and IL-10 secretion. Translational Medicine Communications, 2016, 1, .	0.5	24

#	ARTICLE	IF	CITATIONS
37	Alterations in zebrafish development induced by simvastatin: Comprehensive morphological and physiological study, focusing on muscle. Experimental Biology and Medicine, 2016, 241, 1950-1960.	1.1	29
38	Culture of neural cells of the eyestalk of a mangrove crab is optimized on poly-l-ornithine substrate. Cytotechnology, 2016, 68, 2193-2206.	0.7	6
39	Distinctive Effects of Cytochalasin B in Chick Primary Myoblasts and Fibroblasts. PLoS ONE, 2016, 11, e0154109.	1.1	16
40	A conserved role for calpains during myoblast fusion. Genesis, 2015, 53, 417-430.	0.8	11
41	Structural Analysis of Alterations in Zebrafish Muscle Differentiation Induced by Simvastatin and Their Recovery with Cholesterol. Journal of Histochemistry and Cytochemistry, 2015, 63, 427-437.	1.3	18
42	The Role of Na+/K+-ATPase during Chick Skeletal Myogenesis. PLoS ONE, 2015, 10, e0120940.	1.1	5
43	Cholesterol depletion induces transcriptional changes during skeletal muscle differentiation. BMC Genomics, 2014, 15, 544.	1.2	17
44	Induction of Skeletal Muscle Differentiation InÂVitro by Therapeutic Ultrasound. Ultrasound in Medicine and Biology, 2014, 40, 504-512.	0.7	23
45	Differences in the Expression and Distribution of Flotillin-2 in Chick, Mice and Human Muscle Cells. PLoS ONE, 2014, 9, e103990.	1.1	11
46	The follicular thyroid cell line PCCL3 responds differently to laminin and to polylaminin, a polymer of laminin assembled in acidic pH. Molecular and Cellular Endocrinology, 2013, 376, 12-22.	1.6	5
47	Glutamine and Alanyl-Glutamine Increase RhoA Expression and ReduceClostridium difficileToxin-A-Induced Intestinal Epithelial Cell Damage. BioMed Research International, 2013, 2013, 1-13.	0.9	14
48	Effects of 5-Fluorouracil in Nuclear and Cellular Morphology, Proliferation, Cell Cycle, Apoptosis, Cytoskeletal and Caveolar Distribution in Primary Cultures of Smooth Muscle Cells. PLoS ONE, 2013, 8, e63177.	1.1	25
49	Traffic of Secondary Metabolites to Cell Surface in the Red Alga Laurencia dendroidea Depends on a Two-Step Transport by the Cytoskeleton. PLoS ONE, 2013, 8, e63929.	1.1	17
50	2D and 3D-Organized Cardiac Cells Shows Differences in Cellular Morphology, Adhesion Junctions, Presence of Myofibrils and Protein Expression. PLoS ONE, 2012, 7, e38147.	1.1	114
51	Cholesterol depletion by methyl-Î²-cyclodextrin enhances cell proliferation and increases the number of desmin-positive cells in myoblast cultures. European Journal of Pharmacology, 2012, 694, 1-12.	1.7	23
52	Î±-Cyclodextrin enhances myoblast fusion and muscle differentiation by the release of IL-4. Cytokine, 2011, 55, 280-287.	1.4	11
53	Biological responsein vitroof skeletal muscle cells treated with different intensity continuous and pulsed ultrasound fields. Journal of Physics: Conference Series, 2011, 279, 012022.	0.3	1
54	Membrane Cholesterol Depletion by Methyl-Î²-Cyclodextrin Enhances the Expression of Cardiac Differentiation Markers. Cells Tissues Organs, 2010, 192, 187-199.	1.3	12

#	ARTICLE	IF	CITATIONS
55	Filamentous actin and its associated binding proteins are the stimulatory site for 6-phosphofructo-1-kinase association within the membrane of human erythrocytes. Biochimie, 2010, 92, 538-544.	1.3	59
56	The Wnt signaling pathway regulates Nalm-16 b-cell precursor acute lymphoblastic leukemic cell line survival and etoposide resistance. Biomedicine and Pharmacotherapy, 2010, 64, 63-72.	2.5	21
57	Sciatic nerve regeneration is accelerated in galectin-3 knockout mice. Experimental Neurology, 2009, 217, 7-15.	2.0	43
58	Distribution of cytoskeletal and adhesion proteins in adult zebrafish skeletal muscle. Histology and Histopathology, 2009, 24, 187-96.	0.5	7
59	Cell adhesion in zebrafish myogenesis: Distribution of intermediate filaments, microfilaments, intracellular adhesion structures and extracellular matrix. Cytoskeleton, 2008, 65, 801-815.	4.4	16
60	A soluble and active form of Wntâ€3a protein is involved in myogenic differentiation after cholesterol depletion. FEBS Letters, 2007, 581, 5787-5795.	1.3	14
61	Wnt/Î²-catenin pathway activation and myogenic differentiation are induced by cholesterol depletion. Differentiation, 2007, 75, 184-192.	1.0	44
62	Desmin filaments are stably associated with the outer nuclear surface in chick myoblasts. Cell and Tissue Research, 2006, 323, 351-357.	1.5	15
63	Association between the muscle-specific proteins desmin and caveolin-3 in muscle cells. Cell and Tissue Research, 2006, 327, 343-351.	1.5	11
64	Cholesterol depletion by methyl-?-cyclodextrin enhances myoblast fusion and induces the formation of myotubes with disorganized nuclei. Cell and Tissue Research, 2005, 319, 289-297.	1.5	33
65	Changes in cell shape and desmin intermediate filament distribution are associated with down-regulation of desmin expression in C2C12 myoblasts grown in the absence of extracellular Ca2+. Brazilian Journal of Medical and Biological Research, 2005, 38, 1025-1032.	0.7	7
66	Changes in cell shape, cytoskeletal proteins and adhesion sites of cultured cells after extracellular Ca2+ chelation. Brazilian Journal of Medical and Biological Research, 2003, 36, 1111-1116.	0.7	17
67	Some distinctive features of zebrafish myogenesis based on unexpected distributions of the muscle cytoskeletal proteins actin, myosin, desmin, Î±-actinin, troponin and titin. Mechanisms of Development, 2002, 116, 95-104.	1.7	46
68	Induction of the lipocyte phenotype in murine hepatic stellate cells: reorganisation of the actin cytoskeleton. Cell and Tissue Research, 2001, 306, 75-83.	1.5	33
69	Expression of muscle-specific myosin heavy chain and myosin light chain 1 in the electric tissue ofElectrophorus electricus(L.) in comparison with other vertebrate species. The Journal of Experimental Zoology, 2001, 290, 227-233.	1.4	3
70	Volumetric quantification of the gastric emptying: computer-based method for generation of volumetric index from fluoroscopic images. Computer Methods and Programs in Biomedicine, 2001, 65, 153-161.	2.6	0
71	Mast cells can revert dexamethasone-mediated down-regulation of stem cell factor. European Journal of Pharmacology, 2001, 414, 105-112.	1.7	6
72	Intermediate filaments modulation in an in vitro model of the hepatic stellate cell activation or conversion into the lipocyte phenotype. Biochemistry and Cell Biology, 2001, 79, 409-417.	0.9	35

#	Article	IF	Citations
73	The cytoskeleton of the electric tissue of Electrophorus electricus, L.. Anais Da Academia Brasileira De Ciencias, 2000, 72, 341-351.	0.3	11
74	Costimulatory action of glycoinositolphospholipids fromTrypanosoma cruzi:increased interleukin 2 secretion and induction of nuclear translocation of the nuclear factor of activated T cells 1. FASEB Journal, 1999, 13, 1627-1636.	0.2	18
75	Differences in the isodesmin pattern between the electric organs of Electrophorus electricus L.. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 119, 715-719.	0.7	4
76	Distribution of F-actin, Î±-actinin, tropomyosin, tubulin and organelles in Euglena gracilis by immunofluorescence microscopy. Tissue and Cell, 1998, 30, 545-553.	1.0	9
77	Desmin and Actin Filaments in Membrane-Cytoskeletal Preparations of the Electric Tissue of Electrophorus electricus, L.. Archives of Histology and Cytology, 1997, 60, 445-452.	0.2	3
78	Desmin filaments in the electrocytes of the electric organ of the electric eel Electrophorus electricus. Cell and Tissue Research, 1996, 285, 387-393.	1.5	5
79	Intermediate filament proteins in TPA-treated skeletal muscle cells in culture. Journal of Muscle Research and Cell Motility, 1996, 17, 199-206.	0.9	29
80	MyoD converts primary dermal fibroblasts, chondroblasts, smooth muscle, and retinal pigmented epithelial cells into striated mononucleated myoblasts and multinucleated myotubes.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 7988-7992.	3.3	351