

Alfredo Franco-Obregón

List of Publications by Year in descending order

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49
papers

3,009
citations

201658

27
h-index

197805

49
g-index

54
all docs

54
docs citations

54
times ranked

3608
citing authors

#	ARTICLE	IF	CITATIONS
1	Persistent quadriceps muscle atrophy after anterior cruciate ligament reconstruction is associated with alterations in exercise-induced myokine production. <i>Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology</i> , 2022, 29, 35-42.	1.0	1
2	Brief exposure to directionally-specific pulsed electromagnetic fields stimulates extracellular vesicle release and is antagonized by streptomycin: A potential regenerative medicine and food industry paradigm. <i>Biomaterials</i> , 2022, 287, 121658.	11.4	14
3	Directionalities of magnetic fields and topographic scaffolds synergise to enhance MSC chondrogenesis. <i>Acta Biomaterialia</i> , 2021, 119, 169-183.	8.3	21
4	Modulated TRPC1 Expression Predicts Sensitivity of Breast Cancer to Doxorubicin and Magnetic Field Therapy: Segue Towards a Precision Medicine Approach. <i>Frontiers in Oncology</i> , 2021, 11, 783803.	2.8	9
5	Comparative study of xeno-free induction protocols for neural differentiation of human dental pulp stem cells in vitro. <i>Archives of Oral Biology</i> , 2020, 109, 104572.	1.8	9
6	Magnetic fields modulate metabolism and gut microbiome in correlation with <i>PGC1α</i> expression: Follow-up to an in vitro magnetic mitohormetic study. <i>FASEB Journal</i> , 2020, 34, 11143-11167.	0.5	20
7	Cell-Derived Vesicles as TRPC1 Channel Delivery Systems for the Recovery of Cellular Respiratory and Proliferative Capacities. <i>Advanced Biology</i> , 2020, 4, e2000146.	3.0	10
8	Pulsed electromagnetic fields potentiate the paracrine function of mesenchymal stem cells for cartilage regeneration. <i>Stem Cell Research and Therapy</i> , 2020, 11, 46.	5.5	54
9	Ambient and supplemental magnetic fields promote myogenesis via a TRPC1-mitochondrial axis: evidence of a magnetic mitohormetic mechanism. <i>FASEB Journal</i> , 2019, 33, 12853-12872.	0.5	37
10	Graphene-Induced Osteogenic Differentiation Is Mediated by the Integrin/FAK Axis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 574.	4.1	52
11	TRPC6 in simulated microgravity of intervertebral disc cells. <i>European Spine Journal</i> , 2018, 27, 2621-2630.	2.2	12
12	TRP channels in brown and white adipogenesis from human progenitors: new therapeutic targets and the caveats associated with the common antibiotic, streptomycin. <i>FASEB Journal</i> , 2017, 31, 3251-3266.	0.5	32
13	The Microbiome-Mitochondrion Connection: Common Ancestries, Common Mechanisms, Common Goals. <i>MSystems</i> , 2017, 2, .	3.8	51
14	Enhancement of mesenchymal stem cell chondrogenesis with short-term low intensity pulsed electromagnetic fields. <i>Scientific Reports</i> , 2017, 7, 9421.	3.3	70
15	Chondrogenic Priming at Reduced Cell Density Enhances Cartilage Adhesion of Equine Allogeneic MSCs - a Loading Sensitive Phenomenon in an Organ Culture Study with 180 Explants. <i>Cellular Physiology and Biochemistry</i> , 2015, 37, 651-665.	1.6	17
16	Transient receptor potential vanilloid 2-mediated shear stress responses in C2C12 myoblasts are regulated by serum and extracellular matrix. <i>FASEB Journal</i> , 2015, 29, 4726-4737.	0.5	28
17	An adaptable stage perfusion incubator for the controlled cultivation of C ₂ C ₁₂ myoblasts. <i>Analyst</i> , The, 2015, 140, 127-133.	3.5	11
18	Regenerative Therapies for Equine Degenerative Joint Disease: A Preliminary Study. <i>PLoS ONE</i> , 2014, 9, e85917.	2.5	94

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19	Impedance flow cytometry gauges proliferative capacity by detecting TRPC1 expression. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 525-536.	1.5	23
20	Noncytotoxic artificial bacterial flagella fabricated from biocompatible ORMOCOMP and iron coating. <i>Journal of Materials Chemistry B</i> , 2014, 2, 357-362.	5.8	64
21	Equine Epidermis: A Source of Epithelial-Like Stem/Progenitor Cells with In Vitro and In Vivo Regenerative Capacities. <i>Stem Cells and Development</i> , 2014, 23, 1134-1148.	2.1	22
22	Calcium-dependent deceleration of the cell cycle in muscle cells by simulated microgravity. <i>FASEB Journal</i> , 2013, 27, 2045-2054.	0.5	34
23	Gravitational force modulates G ₂ /M phase exit in mechanically unloaded myoblasts. <i>Cell Cycle</i> , 2013, 12, 3001-3012.	2.6	28
24	Low Intensity and Frequency Pulsed Electromagnetic Fields Selectively Impair Breast Cancer Cell Viability. <i>PLoS ONE</i> , 2013, 8, e72944.	2.5	93
25	Enhanced robustness digital holographic microscopy for demanding environment of space biology. <i>Biomedical Optics Express</i> , 2012, 3, 313.	2.9	37
26	Digital holographic microscopy for the cytomorphological imaging of cells under zero gravity. , 2012, , ,		2
27	A new mechanobiological era: microfluidic pathways to apply and sense forces at the cellular level. <i>Current Opinion in Chemical Biology</i> , 2012, 16, 400-408.	6.1	62
28	Bio-inspired microrobots. <i>Materials Today</i> , 2012, 15, 463.	14.2	19
29	A Semi-automated Electrophysiology System for Recording from <i>Xenopus</i> Oocytes Under Microgravity Conditions. <i>Microgravity Science and Technology</i> , 2012, 24, 237-244.	1.4	9
30	Magnetic Helical Micromachines: Fabrication, Controlled Swimming, and Cargo Transport. <i>Advanced Materials</i> , 2012, 24, 811-816.	21.0	983
31	Microfluidic platform for electrophysiological studies on <i>Xenopus laevis</i> oocytes under varying gravity levels. <i>Lab on A Chip</i> , 2011, 11, 3471.	6.0	19
32	Efficient electroporation of peptides into adherent cells: investigation of the role of mechano-growth factor in chondrocyte culture. <i>Biotechnology Letters</i> , 2011, 33, 883-888.	2.2	18
33	Automated time-resolved analysis of bacteria-substrate interactions using functionalized microparticles and flow cytometry. <i>Biomaterials</i> , 2011, 32, 4347-4357.	11.4	11
34	Time-lapse imaging of <i>In Vitro</i> myogenesis using atomic force microscopy. <i>Journal of Microscopy</i> , 2010, 237, 63-69.	1.8	31
35	Digital holographic microscopy real-time monitoring of cytoarchitectural alterations during simulated microgravity. <i>Journal of Biomedical Optics</i> , 2010, 15, 026021.	2.6	28
36	MECHANOSENSITIVE ION CHANNELS IN SKELETAL MUSCLE: A LINK IN THE MEMBRANE PATHOLOGY OF MUSCULAR DYSTROPHY. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006, 33, 649-656.	1.9	42

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37	Quantitative Topographical Analysis of Nuclear Pore Complex Function Using Scanning Force Microscopy. <i>Biophysical Journal</i> , 2003, 85, 4093-4098.	0.5	11
38	Modulation of Nuclear Pore Topology by Transport Modifiers. <i>Biophysical Journal</i> , 2003, 84, 665-670.	0.5	43
39	Reduction of Ca ²⁺ channel activity by hypoxia in human and porcine coronary myocytes. <i>Cardiovascular Research</i> , 2002, 53, 97-104.	3.8	41
40	Changes in mechanosensitive channel gating following mechanical stimulation in skeletal muscle myotubes from themdxmouse. <i>Journal of Physiology</i> , 2002, 539, 391-407.	2.9	62
41	Detailed analysis of forces influencing lateral resolution for Q-control and tapping mode. <i>Applied Physics Letters</i> , 2001, 79, 135-137.	3.3	50
42	Distinct Ion Channel Classes Are Expressed on the Outer Nuclear Envelope of T- and B-Lymphocyte Cell Lines. <i>Biophysical Journal</i> , 2000, 79, 202-214.	0.5	36
43	Touch Channels Sense Blood Pressure. <i>Neuron</i> , 1998, 21, 1224-1226.	8.1	1
44	Oxygen sensing by ion channels. <i>Kidney International</i> , 1997, 51, 454-461.	5.2	27
45	Oxygen-sensitive calcium channels in vascular smooth muscle and their possible role in hypoxic arterial relaxation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 4715-4719.	7.1	119
46	Spontaneous opening of the acetylcholine receptor channel in developing muscle cells from normal and dystrophic mice. <i>Journal of Neuroscience Research</i> , 1995, 42, 452-458.	2.9	13
47	Open channel block by gadolinium ion of the stretch-inactivated ion channel in mdx myotubes. <i>Biophysical Journal</i> , 1991, 59, 1164-1170.	0.5	56
48	Calcium entry through stretch-inactivated ion channels in mdx myotubes. <i>Nature</i> , 1990, 344, 670-673.	27.8	382
49	Properties of embryonic and adult muscle acetylcholine receptors transiently expressed in COS cells. <i>Neuron</i> , 1990, 5, 147-157.	8.1	93