Federico Alessandro Ruffinatti

List of Publications by Year
in descending order

33 papers	765 citations	623734 14 h-index	526287 27 g-index
37 all docs	37 docs citations	37 times ranked	1341 citing authors

#	Article	IF	Citations
1	Magnetic Iron Oxide Nanoparticles: Synthesis, Characterization and Functionalization for Biomedical Applications in the Central Nervous System. Materials, 2019, 12, 465.	2.9	171
2	Magnetic Nanoparticles in the Central Nervous System: Targeting Principles, Applications and Safety Issues. Molecules, 2018, 23, 9.	3.8	70
3	Susceptibility of different mouse strains to oxaliplatin peripheral neurotoxicity: Phenotypic and genotypic insights. PLoS ONE, 2017, 12, e0186250.	2.5	52
4	Proteomic analysis links alterations of bioenergetics, mitochondria-ER interactions and proteostasis in hippocampal astrocytes from 3xTg-AD mice. Cell Death and Disease, 2020, 11, 645.	6.3	48
5	Dysregulation of VEGF-induced proangiogenic Ca2+ oscillations in primary myelofibrosis-derived endothelial colony-forming cells. Experimental Hematology, 2015, 43, 1019-1030.e3.	0.4	46
6	VEGF-induced intracellular Ca2+ oscillations are down-regulated and do not stimulate angiogenesis in breast cancer-derived endothelial colony forming cells. Oncotarget, 2017, 8, 95223-95246.	1.8	41
7	Interaction of SiO2 nanoparticles with neuronal cells: Ionic mechanisms involved in the perturbation of calcium homeostasis. International Journal of Biochemistry and Cell Biology, 2015, 66, 101-111.	2.8	32
8	Gene expression, proteome and calcium signaling alterations in immortalized hippocampal astrocytes from an Alzheimerâ€™s disease mouse model. Cell Death and Disease, 2019, 10, 24.	6.3	30
9	Intracellular Ca²⁺ Signals to Reconstruct A Broken Heart: Still A Theoretical Approach?. Current Drug Targets, 2015, 16, 793-815.	2.1	26
10	Nanoparticles and potential neurotoxicity: focus on molecular mechanisms. AIMS Molecular Science, 2018, 5, 1-13.	0.5	26
11	Deletion of calcineurin from GFAPâ€expressing astrocytes impairs excitability of cerebellar and hippocampal neurons through astroglial Na⁺/K⁺ ATPase. Glia, 2020, 68, 543-560.	4.9	22
12	Absinthin, an agonist of the bitter taste receptor hTAS2R46, uncovers an ER-to-mitochondria Ca2+â€“shuttling event. Journal of Biological Chemistry, 2019, 294, 12472-12482.	3.4	18
13	Calcium signals and FGF-2 induced neurite growth in cultured parasympathetic neurons: spatial localization and mechanisms of activation. Pflugers Archiv European Journal of Physiology, 2013, 465, 1355-1370.	2.8	16
14	A luminal EF-hand mutation in STIM1 in mice causes the clinical hallmarks of tubular aggregate myopathy. DMM Disease Models and Mechanisms, 2019, 13, .	2.4	16
15	Transcriptional Remodeling in Primary Hippocampal Astrocytes from an Alzheimerâ€™s Disease Mouse Model. Current Alzheimer Research, 2018, 15, 986-1004.	1.4	15
16	Calcium signals: Analysis in time and frequency domains. Journal of Neuroscience Methods, 2011, 199, 310-320.	2.5	14
17	Spatial Wavelet Analysis of Calcium Oscillations in Developing Neurons. PLoS ONE, 2013, 8, e75986.	2.5	14
18	When Neurons Encounter Nanoobjects: Spotlight on Calcium Signalling. International Journal of Environmental Research and Public Health, 2014, 11, 9621-9637.	2.6	12

#	Article	IF	Citations
19	Bisphenol A Activates Calcium Influx in Immortalized GnRH Neurons. International Journal of Molecular Sciences, 2019, 20, 2160.	4.1	10
20	SiO2 nanoparticles modulate the electrical activity of neuroendocrine cells without exerting genomic effects. Scientific Reports, 2018, 8, 2760.	3.3	9
21	Isolation and Characterization of Buccal Fat Pad and Dental Pulp MSCs from the Same Donor. Biomedicines, 2021, 9, 265.	3.2	9
22	The interaction of SiO₂ nanoparticles with the neuronal cell membrane: activation of ionic channels and calcium influx. Nanomedicine, 2019, 14, 575-594.	3.3	7
23	Deletion of calcineurin from astrocytes reproduces proteome signature of Alzheimer's disease and epilepsy and predisposes to seizures. Cell Calcium, 2021, 100, 102480.	2.4	6
24	TRPM8-Rap1A Interaction Sites as Critical Determinants for Adhesion and Migration of Prostate and Other Epithelial Cancer Cells. Cancers, 2022, 14, 2261.	3.7	6
25	Assessment of a Silicon-Photomultiplier-Based Platform for the Measurement of Intracellular Calcium Dynamics with Targeted Aequorin. ACS Sensors, 2020, 5, 2388-2397.	7.8	5
26	MORPHEUS: An automated tool for unbiased and reproducible cell morphometry. Journal of Cellular Physiology, 2020, 235, 10110-10115.	4.1	5
27	CIC-39Na reverses the thrombocytopenia that characterizes tubular aggregate myopathy. Blood Advances, 2022, 6, 4471-4484.	5.2	5
28	A Transcriptomic Approach Reveals Selective Ribosomal Remodelling in the Tumour Versus the Stromal Compartment of Metastatic Colorectal Cancer. Cancers, 2021, 13, 4188.	3.7	4
29	Calcium signals induced by FGF-2 in parasympathetic neurons: Role of second messenger pathways. Neuroscience Letters, 2012, 523, 30-34.	2.1	3
30	REST levels affect the functional expression of voltage dependent calcium channels and the migratory activity in immortalized GnRH neurons. Neuroscience Letters, 2016, 629, 19-25.	2.1	3
31	Early Stimulation of TREK Channel Transcription and Activity Induced by Oxaliplatin-Dependent Cytosolic Acidification. International Journal of Molecular Sciences, 2020, 21, 7164.	4.1	2
32	Assessment of the potential of SiPM-based systems for bioluminescence detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 979, 164493.	1.6	2
33	The Transcriptional Landscape of BRAF Wild Type Metastatic Melanoma: A Pilot Study. International Journal of Molecular Sciences, 2022, 23, 6898.	4.1	1