

Rolando Berlinguer-Palmini

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,456
citations

430442

18
h-index

610482

24
g-index

35
all docs

35
docs citations

35
times ranked

2233
citing authors

#	ARTICLE	IF	CITATIONS
1	Length-independent telomere damage drives postmitotic cardiomyocyte senescence. <i>EMBO Journal</i> , 2019, 38, .	3.5	307
2	Multi-site optical excitation using Chr2 and micro-LED array. <i>Journal of Neural Engineering</i> , 2010, 7, 016004.	1.8	218
3	PD-1 Inhibitory Receptor Downregulates Asparaginyl Endopeptidase and Maintains Foxp3 Transcription Factor Stability in Induced Regulatory T Cells. <i>Immunity</i> , 2018, 49, 247-263.e7.	6.6	104
4	An essential role for the Zn ²⁺ transporter ZIP7 in B cell development. <i>Nature Immunology</i> , 2019, 20, 350-361.	7.0	92
5	Optogenetic approaches to retinal prosthesis. <i>Visual Neuroscience</i> , 2014, 31, 345-354.	0.5	71
6	Channel-mediated astrocytic glutamate modulates hippocampal synaptic plasticity by activating postsynaptic NMDA receptors. <i>Molecular Brain</i> , 2015, 8, 7.	1.3	64
7	Resolution of R-loops by INO80 promotes DNA replication and maintains cancer cell proliferation and viability. <i>Nature Communications</i> , 2020, 11, 4534.	5.8	63
8	Plasmin Potentiates Synaptic N-Methyl-D-aspartate Receptor Function in Hippocampal Neurons through Activation of Protease-activated Receptor-1. <i>Journal of Biological Chemistry</i> , 2008, 283, 20600-20611.	1.6	60
9	GPR35 Activation Reduces Ca ²⁺ Transients and Contributes to the Kynurenic Acid-Dependent Reduction of Synaptic Activity at CA3-CA1 Synapses. <i>PLoS ONE</i> , 2013, 8, e82180.	1.1	60
10	A New Individually Addressable Micro-LED Array for Photogenetic Neural Stimulation. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2010, 4, 469-476.	2.7	58
11	Non-cross-bridge calcium-dependent stiffness in frog muscle fibers. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 286, C1353-C1357.	2.1	55
12	Macrophage scavenger receptor 1 mediates lipid-induced inflammation in non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2022, 76, 1001-1012.	1.8	54
13	A Processing Platform for Optoelectronic/Optogenetic Retinal Prosthesis. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 781-791.	2.5	40
14	High-resolution imaging reveals compartmentalization of mitochondrial protein synthesis in cultured human cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	33
15	Optoelectrothermal optimization of photonic probes for optogenetic neural stimulation. <i>Journal of Biophotonics</i> , 2018, 11, e201700358.	1.1	29
16	Pharmacological NAD-Boosting Strategies Improve Mitochondrial Homeostasis in Human Complex I Mutant Fibroblasts. <i>Molecular Pharmacology</i> , 2015, 87, 965-971.	1.0	26
17	Nonexocytotic serotonin release tonically suppresses serotonergic neuron activity. <i>Journal of General Physiology</i> , 2015, 145, 225-251.	0.9	23
18	Arrays of MicroLEDs and Astrocytes: Biological Amplifiers to Optogenetically Modulate Neuronal Networks Reducing Light Requirement. <i>PLoS ONE</i> , 2014, 9, e108689.	1.1	21

#	ARTICLE	IF	CITATIONS
19	Development of optics with micro-LED arrays for improved opto-electronic neural stimulation. , 2013, , .		14
20	Distinctive Features of Orbital Adipose Tissue (OAT) in Gravesâ€™ Orbitopathy. International Journal of Molecular Sciences, 2020, 21, 9145.	1.8	9
21	Non Cross-Bridge Stiffness in Skeletal Muscle Fibres at Rest and During Activity. , 2005, 565, 141-155.		8
22	Individually addressable optoelectronic arrays for optogenetic neural stimulation. , 2010, , .		8
23	Differential mechanisms of tolerance induced by NMDA and 3,5â€ihydroxyphenylglycine (DHPG) preconditioning. Journal of Neurochemistry, 2020, 155, 638-649.	2.1	8
24	Crossbridge Formation Detected by Stiffness Measurements in Single Muscle Fibres. , 2005, 565, 127-140.		7
25	Individually addressable optoelectronic arrays for optogenetic neural stimulation. , 2011, , .		6
26	Visualizing Mitochondrial Ribosomal RNA and Mitochondrial Protein Synthesis in Human Cell Lines. Methods in Molecular Biology, 2021, 2192, 159-181.	0.4	6
27	Force Response to Stretches in Activated Frog Muscle Fibres at Low Tension. Advances in Experimental Medicine and Biology, 2003, 538, 429-439.	0.8	2
28	Optoelectronic microarrays for retinal prosthesis. , 2009, , .		1
29	An optogenetic neural stimulation platform for concurrent induction and recording of neural activity. , 2010, , .		1
30	Mitochondrial Translation Occurs Preferentially in the Peri-Nuclear Mitochondrial Network of Cultured Human Cells. Biology, 2021, 10, 1050.	1.3	1