

Roberto Piacentini

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,895
citations

172443

29
h-index

243610

44
g-index

48
all docs

48
docs citations

48
times ranked

4264
citing authors

#	ARTICLE	IF	CITATIONS
1	Extremely low-frequency electromagnetic fields promote in vitro neurogenesis via upregulation of Ca ^v channel activity. <i>Journal of Cellular Physiology</i> , 2008, 215, 129-139.	4.1	224
2	Infectious Agents and Neurodegeneration. <i>Molecular Neurobiology</i> , 2012, 46, 614-638.	4.0	189
3	Recurrent herpes simplex virus-1 infection induces hallmarks of neurodegeneration and cognitive deficits in mice. <i>PLoS Pathogens</i> , 2019, 15, e1007617.	4.7	160
4	Role of L-type Ca ²⁺ channels in neural stem/progenitor cell differentiation. <i>European Journal of Neuroscience</i> , 2006, 23, 935-944.	2.6	133
5	Herpes Simplex Virus-1 in the Brain: The Dark Side of a Sneaky Infection. <i>Trends in Microbiology</i> , 2020, 28, 808-820.	7.7	132
6	Exposure to extremely low-frequency (50Hz) electromagnetic fields enhances adult hippocampal neurogenesis in C57BL/6 mice. <i>Experimental Neurology</i> , 2010, 226, 173-182.	4.1	121
7	LTP and memory impairment caused by extracellular A β and Tau oligomers is APP-dependent. <i>ELife</i> , 2017, 6, .	6.0	121
8	APP Processing Induced by Herpes Simplex Virus Type 1 (HSV-1) Yields Several APP Fragments in Human and Rat Neuronal Cells. <i>PLoS ONE</i> , 2010, 5, e13989.	2.5	121
9	In vivo protective effect of ferulic acid against noise-induced hearing loss in the guinea-pig. <i>Neuroscience</i> , 2010, 169, 1575-1588.	2.3	108
10	HSV-1 promotes Ca ²⁺ -mediated APP phosphorylation and A β accumulation in rat cortical neurons. <i>Neurobiology of Aging</i> , 2011, 32, 2323.e13-2323.e26.	3.1	106
11	Intracellular Accumulation of Amyloid- β (A β) Protein Plays a Major Role in A β -Induced Alterations of Glutamatergic Synaptic Transmission and Plasticity. <i>Journal of Neuroscience</i> , 2014, 34, 12893-12903.	3.6	101
12	HSV-1 and Alzheimer's disease: more than a hypothesis. <i>Frontiers in Pharmacology</i> , 2014, 5, 97.	3.5	89
13	Water-soluble Coenzyme Q10 formulation (Q-ter) promotes outer hair cell survival in a guinea pig model of noise induced hearing loss (NIHL). <i>Brain Research</i> , 2009, 1257, 108-116.	2.2	86
14	Reduced gliotransmitter release from astrocytes mediates tau-induced synaptic dysfunction in cultured hippocampal neurons. <i>Glia</i> , 2017, 65, 1302-1316.	4.9	82
15	Herpes Simplex Virus type-1 infection induces synaptic dysfunction in cultured cortical neurons via GSK-3 activation and intraneuronal amyloid- β protein accumulation. <i>Scientific Reports</i> , 2015, 5, 15444.	3.3	79
16	Intraneuronal A β accumulation induces hippocampal neuron hyperexcitability through A-type K ⁺ current inhibition mediated by activation of caspases and GSK-3. <i>Neurobiology of Aging</i> , 2015, 36, 886-900.	3.1	78
17	Reduced d-serine levels in the nucleus accumbens of cocaine-treated rats hinder the induction of NMDA receptor-dependent synaptic plasticity. <i>Brain</i> , 2013, 136, 1216-1230.	7.6	68
18	A CREB-Sirt1-Hes1 Circuitry Mediates Neural Stem Cell Response to Glucose Availability. <i>Cell Reports</i> , 2016, 14, 1195-1205.	6.4	66

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19	Epigenetic Modulation of Adult Hippocampal Neurogenesis by Extremely Low-Frequency Electromagnetic Fields. <i>Molecular Neurobiology</i> , 2014, 49, 1472-1486.	4.0	64
20	Alterations of Hyaluronan Metabolism in Acute Coronary Syndrome. <i>Journal of the American College of Cardiology</i> , 2018, 72, 1490-1503.	2.8	59
21	Extremely low-frequency electromagnetic fields enhance the survival of newborn neurons in the mouse hippocampus. <i>European Journal of Neuroscience</i> , 2014, 39, 893-903.	2.6	57
22	Herpes Simplex Virus Type-1 Infection Impairs Adult Hippocampal Neurogenesis via Amyloid- β Protein Accumulation. <i>Stem Cells</i> , 2019, 37, 1467-1480.	3.2	57
23	Effects of different amyloid β -protein analogues on synaptic function. <i>Neurobiology of Aging</i> , 2013, 34, 1032-1044.	3.1	56
24	Isolation of Cancer Stem Cells from Three Human Glioblastoma Cell Lines: Characterization of Two Selected Clones. <i>PLoS ONE</i> , 2014, 9, e105166.	2.5	53
25	Dysregulation of intracellular calcium homeostasis is responsible for neuronal death in an experimental model of selective hippocampal degeneration induced by trimethyltin. <i>Journal of Neurochemistry</i> , 2008, 105, 2109-2121.	3.9	45
26	Antioxidant protection against acoustic trauma by coadministration of idebenone and vitamin E. <i>NeuroReport</i> , 2008, 19, 277-281.	1.2	44
27	Primary fibroblasts cultures reveal TDP-43 abnormalities in amyotrophic lateral sclerosis patients with and without SOD1 mutations. <i>Neurobiology of Aging</i> , 2015, 36, 2005.e5-2005.e13.	3.1	42
28	Herpes simplex virus type 1 infection in neurons leads to production and nuclear localization of APP intracellular domain (AICD): implications for Alzheimer's disease pathogenesis. <i>Journal of NeuroVirology</i> , 2015, 21, 480-490.	2.1	42
29	Alternative splicing alterations of Ca^{2+} handling genes are associated with signal dysregulation in myotonic dystrophy type 1 (DM1) and type 2 (DM2) myotubes. <i>Neuropathology and Applied Neurobiology</i> , 2014, 40, 464-476.	3.2	35
30	Functional role of cyclic nucleotide-gated channels in rat medial vestibular nucleus neurons. <i>Journal of Physiology</i> , 2008, 586, 803-815.	2.9	30
31	Surprising toxicity and assembly behaviour of amyloid β -protein oxidized to sulfone. <i>Biochemical Journal</i> , 2011, 433, 323-332.	3.7	30
32	17 β -Estradiol protects cerebellar granule cells against β -amyloid-induced toxicity via the apoptotic mitochondrial pathway. <i>Neuroscience Letters</i> , 2014, 561, 134-139.	2.1	29
33	Role of HSV-1 in Alzheimer's disease pathogenesis: A challenge for novel preventive/therapeutic strategies. <i>Current Opinion in Pharmacology</i> , 2022, 63, 102200.	3.5	28
34	Role of methionine 35 in the intracellular Ca^{2+} homeostasis dysregulation and Ca^{2+} -dependent apoptosis induced by amyloid β -peptide in human neuroblastoma IMR32 cells. <i>Journal of Neurochemistry</i> , 2008, 107, 1070-1082.	3.9	27
35	Olfactory memory is enhanced in mice exposed to extremely low-frequency electromagnetic fields via Wnt/ β -catenin dependent modulation of subventricular zone neurogenesis. <i>Scientific Reports</i> , 2018, 8, 262.	3.3	24
36	Does Impairment of Adult Neurogenesis Contribute to Pathophysiology of Alzheimer's Disease? A Still Open Question. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 578211.	2.9	23

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37	Expression of olfactory-type cyclic nucleotide-gated channels in rat cortical astrocytes. <i>Glia</i> , 2012, 60, 1391-1405.	4.9	22
38	Role of Cyclic Nucleotide-Gated Channels in the Modulation of Mouse Hippocampal Neurogenesis. <i>PLoS ONE</i> , 2013, 8, e73246.	2.5	20
39	NIR multiphoton ablation of cancer cells, fluorescence quenching and cellular uptake of dansyl-glutathione-coated gold nanoparticles. <i>Scientific Reports</i> , 2020, 10, 11380.	3.3	11
40	Ca ²⁺ -dependent release of ATP from astrocytes affects herpes simplex virus type 1 infection of neurons. <i>Glia</i> , 2021, 69, 201-215.	4.9	11
41	Extracellular tau oligomers affect extracellular glutamate handling by astrocytes through downregulation of GLT1 expression and impairment of NKA1A2 function. <i>Neuropathology and Applied Neurobiology</i> , 2022, 48, .	3.2	7
42	Human cardiac progenitor cells with regenerative potential can be isolated and characterized from 3D-electro-anatomic guided endomyocardial biopsies. <i>International Journal of Cardiology</i> , 2017, 241, 330-343.	1.7	6
43	Resveratrol corrects aberrant splicing of RYR1 pre-mRNA and Ca ²⁺ signal in myotonic dystrophy type 1 myotubes. <i>Neural Regeneration Research</i> , 2020, 15, 1757.	3.0	5
44	Monocyte-Platelet Aggregates Triggered by CD31 Molecule in Non-ST Elevation Myocardial Infarction: Clinical Implications in Plaque Rupture. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 741221.	2.4	2