

# Roberto Piacentini

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43  
papers

2,207  
citations

30  
h-index

46  
g-index

48  
ext. papers

2,640  
ext. citations

5.5  
avg, IF

4.75  
L-index

#	Paper	IF	Citations
43	Extremely low-frequency electromagnetic fields promote in vitro neurogenesis via upregulation of Ca(v)1-channel activity. <i>Journal of Cellular Physiology</i> , <b>2008</b> , 215, 129-39	7	175
42	Infectious agents and neurodegeneration. <i>Molecular Neurobiology</i> , <b>2012</b> , 46, 614-38	6.2	136
41	Role of L-type Ca <sup>2+</sup> channels in neural stem/progenitor cell differentiation. <i>European Journal of Neuroscience</i> , <b>2006</b> , 23, 935-44	3.5	118
40	Recurrent herpes simplex virus-1 infection induces hallmarks of neurodegeneration and cognitive deficits in mice. <i>PLoS Pathogens</i> , <b>2019</b> , 15, e1007617	7.6	100
39	Exposure to extremely low-frequency (50 Hz) electromagnetic fields enhances adult hippocampal neurogenesis in C57BL/6 mice. <i>Experimental Neurology</i> , <b>2010</b> , 226, 173-82	5.7	96
38	In vivo protective effect of ferulic acid against noise-induced hearing loss in the guinea-pig. <i>Neuroscience</i> , <b>2010</b> , 169, 1575-88	3.9	93
37	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> , <b>2010</b> , 5, e13989	3.7	93
36	LTP and memory impairment caused by extracellular A $\beta$ and Tau oligomers is APP-dependent. <i>ELife</i> , <b>2017</b> , 6,	8.9	81
35	Intracellular accumulation of amyloid- $\beta$ protein plays a major role in A $\beta$ -induced alterations of glutamatergic synaptic transmission and plasticity. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 12893-903	6.6	76
34	HSV-1 promotes Ca <sup>2+</sup> -mediated APP phosphorylation and A $\beta$ accumulation in rat cortical neurons. <i>Neurobiology of Aging</i> , <b>2011</b> , 32, 2323.e13-26	5.6	73
33	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> , <b>2009</b> , 1257, 108-16	3.7	73
32	HSV-1 and Alzheimer's disease: more than a hypothesis. <i>Frontiers in Pharmacology</i> , <b>2014</b> , 5, 97	5.6	68
31	Herpes Simplex Virus type-1 infection induces synaptic dysfunction in cultured cortical neurons via GSK-3 activation and intraneuronal amyloid- $\beta$ protein accumulation. <i>Scientific Reports</i> , <b>2015</b> , 5, 15444	4.9	61
30	Reduced D-serine levels in the nucleus accumbens of cocaine-treated rats hinder the induction of NMDA receptor-dependent synaptic plasticity. <i>Brain</i> , <b>2013</b> , 136, 1216-30	11.2	59
29	Reduced gliotransmitter release from astrocytes mediates tau-induced synaptic dysfunction in cultured hippocampal neurons. <i>Glia</i> , <b>2017</b> , 65, 1302-1316	9	54
28	Intraneuronal A $\beta$ accumulation induces hippocampal neuron hyperexcitability through A-type K(+) current inhibition mediated by activation of caspases and GSK-3. <i>Neurobiology of Aging</i> , <b>2015</b> , 36, 886-900	5.6	53
27	Epigenetic modulation of adult hippocampal neurogenesis by extremely low-frequency electromagnetic fields. <i>Molecular Neurobiology</i> , <b>2014</b> , 49, 1472-86	6.2	53

26	A CREB-Sirt1-Hes1 Circuitry Mediates Neural Stem Cell Response to Glucose Availability. <i>Cell Reports</i> , <b>2016</b> , 14, 1195-1205	10.6	50
25	Effects of different amyloid $\beta$ protein analogues on synaptic function. <i>Neurobiology of Aging</i> , <b>2013</b> , 34, 1032-44	5.6	48
24	Extremely low-frequency electromagnetic fields enhance the survival of newborn neurons in the mouse hippocampus. <i>European Journal of Neuroscience</i> , <b>2014</b> , 39, 893-903	3.5	47
23	Herpes Simplex Virus-1 in the Brain: The Dark Side of a Sneaky Infection. <i>Trends in Microbiology</i> , <b>2020</b> , 28, 808-820	12.4	45
22	Isolation of cancer stem cells from three human glioblastoma cell lines: characterization of two selected clones. <i>PLoS ONE</i> , <b>2014</b> , 9, e105166	3.7	43
21	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> , <b>2008</b> , 105, 2109-21	6	42
20	Antioxidant protection against acoustic trauma by coadministration of idebenone and vitamin E. <i>NeuroReport</i> , <b>2008</b> , 19, 277-81	1.7	38
19	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> , <b>2015</b> , 21, 480-90	3.9	36
18	Primary fibroblasts cultures reveal TDP-43 abnormalities in amyotrophic lateral sclerosis patients with and without SOD1 mutations. <i>Neurobiology of Aging</i> , <b>2015</b> , 36, 2005.e5-2005.e13	5.6	34
17	Alterations of Hyaluronan Metabolism in Acute Coronary Syndrome: Implications for Plaque Erosion. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 72, 1490-1503	15.1	33
16	Herpes Simplex Virus Type-1 Infection Impairs Adult Hippocampal Neurogenesis via Amyloid- $\beta$ Protein Accumulation. <i>Stem Cells</i> , <b>2019</b> , 37, 1467-1480	5.8	32
15	Alternative splicing alterations of Ca <sup>2+</sup> handling genes are associated with Ca <sup>2+</sup> signal dysregulation in myotonic dystrophy type 1 (DM1) and type 2 (DM2) myotubes. <i>Neuropathology and Applied Neurobiology</i> , <b>2014</b> , 40, 464-76	5.2	31
14	17 $\beta$ -Estradiol protects cerebellar granule cells against $\beta$ amyloid-induced toxicity via the apoptotic mitochondrial pathway. <i>Neuroscience Letters</i> , <b>2014</b> , 561, 134-9	3.3	27
13	Surprising toxicity and assembly behaviour of amyloid $\beta$ protein oxidized to sulfone. <i>Biochemical Journal</i> , <b>2011</b> , 433, 323-32	3.8	26
12	Functional role of cyclic nucleotide-gated channels in rat medial vestibular nucleus neurons. <i>Journal of Physiology</i> , <b>2008</b> , 586, 803-15	3.9	26
11	Role of methionine 35 in the intracellular Ca <sup>2+</sup> homeostasis dysregulation and Ca <sup>2+</sup> -dependent apoptosis induced by amyloid beta-peptide in human neuroblastoma IMR32 cells. <i>Journal of Neurochemistry</i> , <b>2008</b> , 107, 1070-82	6	25
10	Olfactory memory is enhanced in mice exposed to extremely low-frequency electromagnetic fields via Wnt/ $\beta$ catenin dependent modulation of subventricular zone neurogenesis. <i>Scientific Reports</i> , <b>2018</b> , 8, 262	4.9	20
9	Expression of olfactory-type cyclic nucleotide-gated channels in rat cortical astrocytes. <i>Glia</i> , <b>2012</b> , 60, 1391-405	9	20

8	Role of cyclic nucleotide-gated channels in the modulation of mouse hippocampal neurogenesis. <i>PLoS ONE</i> , <b>2013</b> , 8, e73246	3.7	16
7	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> , <b>2017</b> , 241, 330-343	3.2	6
6	Does Impairment of Adult Neurogenesis Contribute to Pathophysiology of Alzheimer's Disease? A Still Open Question. <i>Frontiers in Molecular Neuroscience</i> , <b>2020</b> , 13, 578211	6.1	6
5	NIR multiphoton ablation of cancer cells, fluorescence quenching and cellular uptake of dansyl-glutathione-coated gold nanoparticles. <i>Scientific Reports</i> , <b>2020</b> , 10, 11380	4.9	5
4	Role of HSV-1 in Alzheimer's disease pathogenesis: A challenge for novel preventive/therapeutic strategies.. <i>Current Opinion in Pharmacology</i> , <b>2022</b> , 63, 102200	5.1	5
3	Ca <sup>2+</sup> -dependent release of ATP from astrocytes affects herpes simplex virus type 1 infection of neurons. <i>Glia</i> , <b>2021</b> , 69, 201-215	9	3
2	Resveratrol corrects aberrant splicing of pre-mRNA and Ca signal in myotonic dystrophy type 1 myotubes. <i>Neural Regeneration Research</i> , <b>2020</b> , 15, 1757-1766	4.5	1
1	Monocyte-Platelet Aggregates Triggered by CD31 Molecule in Non-ST Elevation Myocardial Infarction: Clinical Implications in Plaque Rupture.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 741221	5.4	