Javier Gualix

List of Publications by Year in descending order

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46 papers	1,364 citations	304743 22 h-index	361022 35 g-index
46 all docs	46 docs citations	46 times ranked	1216 citing authors

#	Article	IF	Citations
1	In vivo P2X7 inhibition reduces amyloid plaques in Alzheimer's disease through GSK3Î² and secretases. Neurobiology of Aging, 2012, 33, 1816-1828.	3.1	163
2	P2X7 receptors in rat brain: presence in synaptic terminals and granule cells. Neurochemical Research, 2003, 28, 1597-1605.	3.3	94
3	Diinosine pentaphosphate (IP5 I) is a potent antagonist at recombinant rat P2X1 receptors. British Journal of Pharmacology, 1999, 128, 981-988.	5.4	91
4	Diadenosine polyphosphate receptors. , 2000, 87, 103-115.		83
5	The neurotransmitter role of diadenosine polyphosphates. FEBS Letters, 1998, 430, 78-82.	2.8	65
6	Nucleotides in neuroregeneration and neuroprotection. Neuropharmacology, 2016, 104, 243-254.	4.1	58
7	Opposite effects of P2X7 and P2Y₂nucleotide receptors on Î±-secretase-dependent APP processing in Neuro-2a cells. FEBS Letters, 2011, 585, 2255-2262.	2.8	55
8	Diinosine Polyphosphates, a Group of Dinucleotides with Antagonistic Effects on Diadenosine Polyphosphate Receptor. Molecular Pharmacology, 1997, 51, 277-284.	2.3	50
9	Single GABAergic synaptic terminals from rat midbrain exhibit functional P2X and dinucleotide receptors, able to induce GABA secretion. Journal of Neurochemistry, 2001, 77, 84-93.	3.9	50
10	Dinucleoside polyphosphates and their interaction with other nucleotide signaling pathways. Pflugers Archiv European Journal of Physiology, 2006, 452, 563-572.	2.8	50
11	Characterization of Nucleotide Transport into Rat Brain Synaptic Vesicles. Journal of Neurochemistry, 2001, 73, 1098-1104.	3.9	44
12	Chapter 32 Diadenosine polyphosphates, extracellular function and catabolism. Progress in Brain Research, 1999, 120, 397-409.	1.4	41
13	Overexpression of P2X3 and P2X7 Receptors and TRPV1 Channels in Adrenomedullary Chromaffin Cells in a Rat Model of Neuropathic Pain. International Journal of Molecular Sciences, 2019, 20, 155.	4.1	32
14	P2 receptor interaction and signalling cascades in neuroprotection. Brain Research Bulletin, 2019, 151, 74-83.	3.0	31
15	Presence of functional ATP and dinucleotide receptors in glutamatergic synaptic terminals from rat midbrain. Journal of Neurochemistry, 2003, 87, 160-171.	3.9	29
16	Nucleotide Vesicular Transporter of Bovine Chromaffin Granules. Journal of Biological Chemistry, 1996, 271, 1957-1965.	3.4	28
17	Role of P2X7 and P2Y2 receptors on Î±-secretase-dependent APP processing: Control of amyloid plaques formation â€œin vivoâ€•by P2X7 receptor. Computational and Structural Biotechnology Journal, 2015, 13, 176-181.	4.1	27
18	Diadenosine polyphosphates evoke Ca2+transients in guinea-pig brain via receptors distinct from those for ATP. Journal of Physiology, 1997, 504, 327-335.	2.9	26

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19	An Update on P2Y13 Receptor Signalling and Function. Advances in Experimental Medicine and Biology, 2017, 1051, 139-168.	1.6	25
20	Characterization of diadenosine polyphosphate transport into chromaffin granules from adrenal medulla. FASEB Journal, 1997, 11, 981-990.	0.5	24
21	Antagonism of P2X receptors in guinea-pig vas deferens by diinosine pentaphosphate. European Journal of Pharmacology, 1997, 333, R1-R2.	3.5	23
22	Dinucleotide Receptor Modulation by Protein Kinases (Protein Kinases A and C) and Protein Phosphatases in Rat Brain Synaptic Terminals. Journal of Neurochemistry, 1997, 68, 2552-2557.	3.9	23
23	GABAB receptor-mediated presynaptic potentiation of ATP ionotropic receptors in rat midbrain synaptosomes. Neuropharmacology, 2003, 44, 311-323.	4.1	23
24	Physiopathological Role of the Vesicular Nucleotide Transporter (VNUT) in the Central Nervous System: Relevance of the Vesicular Nucleotide Release as a Potential Therapeutic Target. Frontiers in Cellular Neuroscience, 2019, 13, 224.	3.7	23
25	Adenosine 5â€²-tetraphosphate (Ap4), a new agonist on rat midbrain synaptic terminal P2 receptors. Neuropharmacology, 2000, 39, 2381-2390.	4.1	22
26	Presence of dinucleotide and ATP receptors in human cerebrocortical synaptic terminals. European Journal of Pharmacology, 1999, 366, 159-165.	3.5	21
27	Diadenosine polyphosphates in the central nervous system. Neuroscience Research Communications, 1997, 20, 69-78.	0.2	18
28	Specific Temporal Distribution and Subcellular Localization of a Functional Vesicular Nucleotide Transporter (VNUT) in Cerebellar Granule Neurons. Frontiers in Pharmacology, 2017, 8, 951.	3.5	17
29	Presence of Îµ-adenosine tetraphosphate in chromaffin granules after transport of Îµ-ATP. FEBS Letters, 1996, 391, 195-198.	2.8	15
30	Ca 2+ Signalling in Brain Synaptosomes Activated by Dinucleotides. Journal of Membrane Biology, 2003, 194, 1-10.	2.1	15
31	Ectonucleotide pyrophosphatase/phosphodiesterase activity in Neuroâ€2a neuroblastoma cells: changes in expression associated with neuronal differentiation. Journal of Neurochemistry, 2014, 131, 290-302.	3.9	15
32	P2X7 receptors in the central nervous system. Biochemical Pharmacology, 2021, 187, 114472.	4.4	14
33	GABA Modulates Presynaptic Signalling Mediated by Dinucleotides on Rat Synaptic Terminals. Journal of Pharmacology and Experimental Therapeutics, 2004, 308, 1148-1157.	2.5	12
34	Axodendritic fibres of mouse cerebellar granule neurons exhibit a diversity of functional P2X receptors. Neurochemistry International, 2009, 55, 671-682.	3.8	12
35	Presynaptic signalling mediated by mono- and dinucleotides in the central nervous system. Journal of the Autonomic Nervous System, 2000, 81, 195-199.	1.9	9
36	Live Imaging Followed by Single Cell Tracking to Monitor Cell Biology and the Lineage Progression of Multiple Neural Populations. Journal of Visualized Experiments, 2017, , .	0.3	8

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37	Effect of diinosine polyphosphates on intraocular pressure in normotensive rabbits. Experimental Eye Research, 2012, 101, 49-55.	2.6	7
38	Presence of diadenosine polyphosphates in microdialysis samples from rat cerebellum in vivo: effect of mild hyperammonemia on their receptors. Purinergic Signalling, 2014, 10, 349-356.	2.2	6
39	Increased Ap4A levels and ecto-nucleotidase activity in glaucomatous mice retina. Purinergic Signalling, 2018, 14, 259-270.	2.2	3
40	Live Imaging Reveals Cerebellar Neural Stem Cell Dynamics and the Role of VNUT in Lineage Progression. Stem Cell Reports, 2020, 15, 1080-1094.	4.8	3
41	Nucleoside transporter and nucleotide vesicular transporter: Two examples of mnemonic regulation. Drug Development Research, 2001, 52, 11-21.	2.9	2
42	Presynaptic diadenosine polyphosphate receptors: Interaction with other neurotransmitter systems. Drug Development Research, 2001, 52, 239-248.	2.9	2
43	Geoffrey Burnstock, our friend and magister: the diadenosine polyphosphate connection. Purinergic Signalling, 2021, 17, 79-84.	2.2	2
44	Cardiac effects of diinosine tetraphosphate, a putative dinucleotide receptor antagonist. Drug Development Research, 2001, 52, 500-503.	2.9	1
45	Single GABAergic synaptic terminals from rat midbrain exhibit functional P2X and dinucleotide receptors, able to induce GABA secretion. Journal of Neurochemistry, 2008, 77, 84-93.	3.9	1
46	Intracellular Calcium Recording After Purinoceptor Activation Using a Video-Microscopy Equipment. Methods in Molecular Biology, 2020, 2041, 311-321.	0.9	1