

Angelo R Tome

List of Publications by Year in descending order

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52
papers

2,732
citations

201674

27
h-index

182427

51
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53
all docs

53
docs citations

53
times ranked

3449
citing authors

#	ARTICLE	IF	CITATIONS
1	Adenosine receptors and brain diseases: Neuroprotection and neurodegeneration. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1380-1399.	2.6	361
2	Caffeine acts through neuronal adenosine A _{2A} receptors to prevent mood and memory dysfunction triggered by chronic stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7833-7838.	7.1	248
3	ATP as a multi-target danger signal in the brain. <i>Frontiers in Neuroscience</i> , 2015, 9, 148.	2.8	205
4	Adenosine A _{2A} receptors control neuroinflammation and consequent hippocampal neuronal dysfunction. <i>Journal of Neurochemistry</i> , 2011, 117, 100-111.	3.9	182
5	Morphological field emission-SEM study of the effect of six phosphoric acid etching agents on human dentin. <i>Dental Materials</i> , 1996, 12, 262-271.	3.5	155
6	Adenosine Receptor Antagonists Including Caffeine Alter Fetal Brain Development in Mice. <i>Science Translational Medicine</i> , 2013, 5, 197ra104.	12.4	148
7	Optogenetic activation of intracellular adenosine A _{2A} receptor signaling in the hippocampus is sufficient to trigger CREB phosphorylation and impair memory. <i>Molecular Psychiatry</i> , 2015, 20, 1339-1349.	7.9	118
8	Control of pulsatile 5-HT/insulin secretion from single mouse pancreatic islets by intracellular calcium dynamics. <i>Journal of Physiology</i> , 1998, 510, 135-143.	2.9	103
9	Behavioral Phenotyping of Parkin-Deficient Mice: Looking for Early Preclinical Features of Parkinson's Disease. <i>PLoS ONE</i> , 2014, 9, e114216.	2.5	94
10	Inactivation of adenosine A _{2A} receptors reverses working memory deficits at early stages of Huntington's disease models. <i>Neurobiology of Disease</i> , 2015, 79, 70-80.	4.4	83
11	Synaptic and memory dysfunction in a β -amyloid model of early Alzheimer's disease depends on increased formation of ATP-derived extracellular adenosine. <i>Neurobiology of Disease</i> , 2019, 132, 104570.	4.4	77
12	Cell-specific Purinergic Receptors Coupled to Ca ²⁺ Entry and Ca ²⁺ Release from Internal Stores in Adrenal Chromaffin Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 5098-5106.	3.4	57
13	Caffeine Reverts Memory But Not Mood Impairment in a Depression-Prone Mouse Strain with Up-Regulated Adenosine A _{2A} Receptor in Hippocampal Glutamate Synapses. <i>Molecular Neurobiology</i> , 2017, 54, 1552-1563.	4.0	55
14	Treatment with A _{2A} receptor antagonist KW6002 and caffeine intake regulate microglia reactivity and protect retina against transient ischemic damage. <i>Cell Death and Disease</i> , 2017, 8, e3065-e3065.	6.3	53
15	Blockade of adenosine A _{2A} receptors prevents interleukin-1 β -induced exacerbation of neuronal toxicity through a p38 mitogen-activated protein kinase pathway. <i>Journal of Neuroinflammation</i> , 2012, 9, 204.	7.2	48
16	Presynaptic adenosine A _{2A} receptors dampen cannabinoid CB ₁ receptor-mediated inhibition of corticostriatal glutamatergic transmission. <i>British Journal of Pharmacology</i> , 2015, 172, 1074-1086.	5.4	45
17	Convergence of adenosine and GABA signaling for synapse stabilization during development. <i>Science</i> , 2021, 374, eabk2055.	12.6	44
18	Single-cell fura-2 microfluorometry reveals different purinoceptor subtypes coupled to Ca ²⁺ influx and intracellular Ca ²⁺ release in bovine adrenal chromaffin and endothelial cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1994, 426, 524-533.	2.8	42

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19	Enhanced ATP release and CD73-mediated adenosine formation sustain adenosine A _{2A} receptor overactivation in a rat model of Parkinson's disease. <i>British Journal of Pharmacology</i> , 2019, 176, 3666-3680.	5.4	42
20	Prolonged nicotine exposure down-regulates presynaptic NMDA receptors in dopaminergic terminals of the rat nucleus accumbens. <i>Neuropharmacology</i> , 2014, 79, 488-497.	4.1	39
21	Role of Adenosine in Epilepsy and Seizures. <i>Journal of Caffeine and Adenosine Research</i> , 2020, 10, 45-60.	0.6	39
22	Nicotinic $\alpha 7$ receptor activation selectively potentiates the function of NMDA receptors in glutamatergic terminals of the nucleus accumbens. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 332.	3.7	37
23	Electrophysiological and Immunocytochemical Evidence for P2X Purinergic Receptors in Pancreatic β^2 Cells. <i>Pancreas</i> , 2008, 36, 279-283.	1.1	33
24	Real Time Electrochemical Detection of 5-HT/Insulin Secretion from Single Pancreatic Islets: Effect of Glucose and K ⁺ Depolarization. <i>Biochemical and Biophysical Research Communications</i> , 1996, 228, 100-104.	2.1	31
25	Functional interaction between presynaptic $\alpha 2$ containing nicotinic and adenosine A _{2A} receptors in the control of dopamine release in the rat striatum. <i>British Journal of Pharmacology</i> , 2013, 169, 1600-1611.	5.4	29
26	Neomycin blocks dihydropyridine-insensitive Ca ²⁺ influx in bovine adrenal chromaffin cells. <i>European Journal of Pharmacology</i> , 1993, 244, 259-267.	2.6	28
27	Clinically relevant concentrations of ketamine mainly affect long-term potentiation rather than basal excitatory synaptic transmission and do not change paired-pulse facilitation in mouse hippocampal slices. <i>Brain Research</i> , 2014, 1560, 10-17.	2.2	26
28	Neuromodulation and neuroprotective effects of chlorogenic acids in excitatory synapses of mouse hippocampal slices. <i>Scientific Reports</i> , 2021, 11, 10488.	3.3	23
29	Naloxone inhibits nicotine-induced receptor current and catecholamine secretion in bovine chromaffin cells. <i>Brain Research</i> , 2001, 903, 62-65.	2.2	22
30	Crosstalk Between ATP-P2X7 and Adenosine A _{2A} Receptors Controlling Neuroinflammation in Rats Subject to Repeated Restraint Stress. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 639322.	3.7	22
31	Protein kinase C activator inhibits voltage-sensitive Ca ²⁺ channels and catecholamine secretion in adrenal chromaffin cells. <i>FEBS Letters</i> , 1995, 359, 137-141.	2.8	21
32	Physical basis for the resolution of intra- and extracellular cesium-133 NMR resonances in cesium(+) loaded human erythrocyte suspensions in the presence and absence of shift reagents. <i>Inorganic Chemistry</i> , 1992, 31, 1135-1144.	4.0	17
33	Regulation by Glucose of Oscillatory Electrical Activity and 5-HT/Insulin Release from Single Mouse Pancreatic Islets in Absence of Functional K ^{ATP} Channels. <i>Endocrine Journal</i> , 2008, 55, 639-650.	1.6	16
34	Validation of an LC-MS/MS Method for the Quantification of Caffeine and Theobromine Using Non-Matched Matrix Calibration Curve. <i>Molecules</i> , 2019, 24, 2863.	3.8	15
35	Mitochondria in Excitatory and Inhibitory Synapses have Similar Susceptibility to Amyloid- β Peptides Modeling Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 525-536.	2.6	14
36	Increased ATP release and CD73-mediated adenosine A _{2A} receptor activation mediate convulsion-associated neuronal damage and hippocampal dysfunction. <i>Neurobiology of Disease</i> , 2021, 157, 105441.	4.4	14

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37	Glucose-mediated Ca ²⁺ signalling in single clonal insulin-secreting cells: evidence for a mixed model of cellular activation. <i>International Journal of Biochemistry and Cell Biology</i> , 2000, 32, 557-569.	2.8	13
38	Use of knockout mice to explore CNS effects of adenosine. <i>Biochemical Pharmacology</i> , 2021, 187, 114367.	4.4	13
39	Adenosine A _{2A} receptors are up-regulated and control the activation of human alveolar macrophages. <i>Pulmonary Pharmacology and Therapeutics</i> , 2017, 45, 90-94.	2.6	11
40	Adenosine A _{2A} receptors format long-term depression and memory strategies in a mouse model of Angelman syndrome. <i>Neurobiology of Disease</i> , 2020, 146, 105137.	4.4	11
41	Role of The Purinergic Neuromodulation System in Epilepsy. <i>The Open Neuroscience Journal</i> , 2010, 4, 64-83.	0.8	10
42	Effects of Li ⁺ transport and intracellular binding on Li ⁺ /Mg ²⁺ competition in bovine chromaffin cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2004, 1691, 79-90.	4.1	9
43	Functional distribution of Ca ²⁺ -coupled P ₂ purinergic receptors among adrenergic and noradrenergic bovine adrenal chromaffin cells. <i>BMC Neuroscience</i> , 2007, 8, 39.	1.9	9
44	Selective stimulation of catecholamine release from bovine adrenal chromaffin cells by an ionotropic purinergic receptor sensitive to 2-methylthio ATP. <i>BMC Neuroscience</i> , 2007, 8, 41.	1.9	8
45	Differential contribution of syntaxin 1 and SNAP-25 to secretion in noradrenergic and adrenergic chromaffin cells. <i>European Journal of Cell Biology</i> , 2000, 79, 883-891.	3.6	6
46	Motor Deficits Coupled to Cerebellar and Striatal Alterations in Ube3a ^{fl/fl} /p+ Mice Modelling Angelman Syndrome Are Attenuated by Adenosine A _{2A} Receptor Blockade. <i>Molecular Neurobiology</i> , 2021, 58, 2543-2557.	4.0	6
47	Hippocampal long-term potentiation in adult mice after recovery from ketamine anesthesia. <i>Lab Animal</i> , 2014, 43, 353-357.	0.4	5
48	Possible involvement of nitric oxide in pilocarpine induced seminal emission in rats. <i>General Pharmacology</i> , 1999, 33, 479-485.	0.7	4
49	Simultaneous Alteration of the Circadian Variation of Memory, Hippocampal Synaptic Plasticity, and Metabolism in a Triple Transgenic Mouse Model of Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 835885.	3.4	4
50	The Effects of Different Concentrations of the α_2 -Adrenoceptor Agonist Medetomidine on Basal Excitatory Synaptic Transmission and Synaptic Plasticity in Hippocampal Slices of Adult Mice. <i>Anesthesia and Analgesia</i> , 2015, 120, 1130-1137.	2.2	3
51	Exercise decreases aberrant corticostriatal plasticity in an animal model of L-DOPA-induced dyskinesia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R541-R546.	1.8	2
52	Real Time Electrochemical Detection of 5-HT/Insulin Secretion from Single Pancreatic Islets: Effect of Glucose and K ⁺ Depolarization. <i>Biochemical and Biophysical Research Communications</i> , 1997, 231, 519.	2.1	0