Antonio Garcia Garcia

List of Publications by Year
in descending order

356	11,956	26567 56	46693 89
papers	citations	h-index	g-index

366	366	366	8663
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chromaffin-cell stimulation triggers fast millimolar mitochondrial Ca2+ transients that modulate secretion. Nature Cell Biology, 2000, 2, 57-61.	4.6	444
2	Recent advances in the multitargetâ€directed ligands approach for the treatment of Alzheimer's disease. Medicinal Research Reviews, 2013, 33, 139-189.	5.0	394
3	Calcium Signaling and Exocytosis in Adrenal Chromaffin Cells. Physiological Reviews, 2006, 86, 1093-1131.	13.1	309
4	Dihydropyridine BAY-K-8644 activates chromaffin cell calcium channels. Nature, 1984, 309, 69-71.	13.7	262
5	Novel Tacrineâ^'8-Hydroxyquinoline Hybrids as Multifunctional Agents for the Treatment of Alzheimerâ€™s Disease, with Neuroprotective, Cholinergic, Antioxidant, and Copper-Complexing Properties. Journal of Medicinal Chemistry, 2010, 53, 4927-4937.	2.9	253
6	Synthesis and Pharmacology of Galantamine. Chemical Reviews, 2006, 106, 116-133.	23.0	240
7	Separation and culture of living adrenaline- and noradrenaline-containing cells from bovine adrenal medullae. Analytical Biochemistry, 1990, 185, 243-248.	1.1	198
8	Ca2+-induced Ca2+ Release in Chromaffin Cells Seen from inside the ER with Targeted Aequorin. Journal of Cell Biology, 1999, 144, 241-254.	2.3	170
9	Immunomodulatory and antiâ€inflammatory effects of chondroitin sulphate. Journal of Cellular and Molecular Medicine, 2009, 13, 1451-1463.	1.6	156
10	Tacrineâ€“Melatonin Hybrids as Multifunctional Agents for Alzheimer's Disease, with Cholinergic, Antioxidant, and Neuroprotective Properties. ChemMedChem, 2009, 4, 828-841.	1.6	154
11	Unequal Neuroprotection Afforded by the Acetylcholinesterase Inhibitors Galantamine, Donepezil, and Rivastigmine in SH-SY5Y Neuroblastoma Cells: Role of Nicotinic Receptors. Journal of Pharmacology and Experimental Therapeutics, 2005, 315, 1346-1353.	1.3	153
12	Pharmacological dissection of receptor-associated and voltage-sensitive ionic channels involved in catecholamine release. Neuroscience, 1983, 10, 1455-1462.	1.1	150
13	Galantamine prevents apoptosis induced by Î²-amyloid and thapsigargin: involvement of nicotinic acetylcholine receptors. Neuropharmacology, 2004, 46, 103-114.	2.0	141
14	Tacripyrines, the First Tacrineâ^'Dihydropyridine Hybrids, as Multitarget-Directed Ligands for the Treatment of Alzheimerâ€™s Disease. Journal of Medicinal Chemistry, 2009, 52, 2724-2732.	2.9	134
15	Calcium Entry through L-type Calcium Channels Causes Mitochondrial Disruption and Chromaffin Cell Death. Journal of Biological Chemistry, 2001, 276, 39695-39704.	1.6	118
16	Antidepressant-like effect of the novel thiadiazolidinone NP031115 in mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2008, 32, 1549-1556.	2.5	116
17	Redistribution of Ca2+among cytosol and organella during stimulation of bovine chromaffin cells. FASEB Journal, 2002, 16, 343-353.	0.2	114
18	Unmasking the functions of the chromaffin cell Â7 nicotinic receptor by using short pulses of acetylcholine and selective blockers. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 14184-14189.	3.3	107

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19	Novel Multipotent Tacrineâ^'Dihydropyridine Hybrids with Improved Acetylcholinesterase Inhibitory and Neuroprotective Activities as Potential Drugs for the Treatment of Alzheimer's Disease. Journal of Medicinal Chemistry, 2006, 49, 7607-7610.	2.9	107
20	ATP modulation of calcium channels in chromaffin cells.. Journal of Physiology, 1993, 470, 55-72.	1.3	102
21	A physiological view of the central and peripheral mechanisms that regulate the release of catecholamines at the adrenal medulla. Acta Physiologica, 2008, 192, 287-301.	1.8	97
22	Neuroprotective and Cholinergic Properties of Multifunctional Glutamic Acid Derivatives for the Treatment of Alzheimerâ€™s Disease. Journal of Medicinal Chemistry, 2009, 52, 7249-7257.	2.9	97
23	Neuroprotectant minocycline depresses glutamatergic neurotransmission and Ca²⁺ signalling in hippocampal neurons. European Journal of Neuroscience, 2007, 26, 2481-2495.	1.2	94
24	Inhibition of voltageâ€gated Ca 2+ entry into GH 3 and chromaffin cells by imidazole antimycotics and other cytochrome P450 blockers. FASEB Journal, 1992, 6, 2742-2747.	0.2	93
25	Combined nimodipine and citicoline reduce infarct size, attenuate apoptosis and increase bcl-2 expression after focal cerebral ischemia. Neuroscience, 2003, 118, 107-113.	1.1	90
26	Synthesis, biological evaluation and molecular modelling of diversely functionalized heterocyclic derivatives as inhibitors of acetylcholinesterase/butyrylcholinesterase and modulators of Ca2+ channels and nicotinic receptors. Bioorganic and Medicinal Chemistry, 2004, 12, 2199-2218.	1.4	87
27	Chondroitin Sulfate Protects SH-SY5Y Cells from Oxidative Stress by Inducing Heme Oxygenase-1 via Phosphatidylinositol 3-Kinase/Akt. Journal of Pharmacology and Experimental Therapeutics, 2007, 323, 946-953.	1.3	82
28	Release of noradrenaline from the cat spleen by sodium deprivation. British Journal of Pharmacology, 1973, 47, 729-747.	2.7	81
29	Antioxidant, antiinflammatory and neuroprotective actions of chondroitin sulfate and proteoglycans. Osteoarthritis and Cartilage, 2010, 18, S24-S27.	0.6	81
30	A calcium ionophore stimulating the secretion of catecholamines from the cat adrenal.. Journal of Physiology, 1975, 244, 253-262.	1.3	78
31	ON THE RELEASE OF CATECHOLAMINES AND DOPAMINEâ€Î²â€HYDROXYLASE EVOKED BY OUABAIN IN THE PERFUSED CAT ADRENAL GLAND. British Journal of Pharmacology, 1980, 68, 571-583.	2.7	76
32	Continuous monitoring of catecholamine release from perfused cat adrenals. Journal of Neuroscience Methods, 1986, 16, 289-300.	1.3	76
33	Neuroprotection afforded by nicotine against oxygen and glucose deprivation in hippocampal slices is lost in Î±7 nicotinic receptor knockout mice. Neuroscience, 2007, 145, 866-872.	1.1	75
34	New tacrine-dihydropyridine hybrids that inhibit acetylcholinesterase, calcium entry, and exhibit neuroprotection properties. Bioorganic and Medicinal Chemistry, 2008, 16, 7759-7769.	1.4	75
35	Poststress treatment with PNU282987 can rescue SH-SY5Y cells undergoing apoptosis via Î±7 nicotinic receptors linked to a Jak2/Akt/HO-1 signaling pathway. Free Radical Biology and Medicine, 2010, 49, 1815-1821.	1.3	75
36	Calcium-Dependent Inhibition of L, N, and P/Q Ca2+Channels in Chromaffin Cells: Role of Mitochondria. Journal of Neuroscience, 2001, 21, 2553-2560.	1.7	74

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37	Ï‰-Agatoxin-IVA-sensitive calcium channels in bovine chromaffin cells. FEBS Letters, 1993, 336, 259-262.	1.3	71
38	Multiple calcium channel subtypes in isolated rat chromaffin cells. Pflugers Archiv European Journal of Physiology, 1995, 430, 55-63.	1.3	71
39	Effect of experimental subarachnoid hemorrhage on the adrenergic innervation of cerebral arteries. Journal of Neurosurgery, 1980, 53, 477-479.	0.9	69
40	Separate Binding and Functional Sites for ? co-Conotoxin and Nitrendipine Suggest Two Types of Calcium Channels in Bovine Chromaffin Cells. Journal of Neurochemistry, 1989, 53, 1050-1056.	2.1	69
41	Opioid Inhibition of Ca2+Channel Subtypes in Bovine Chromaffin Cells: Selectivity of Action and Voltage-dependence. European Journal of Neuroscience, 1996, 8, 1561-1570.	1.2	69
42	Synthesis, Inhibitory Activity of Cholinesterases, and Neuroprotective Profile of Novel 1,8-Naphthyridine Derivatives. Journal of Medicinal Chemistry, 2010, 53, 5129-5143.	2.9	69
43	Three-Dimensional Structure of Ï‰-Conotoxin GVIA Determined by 1H-NMR. Biochemical and Biophysical Research Communications, 1993, 192, 1238-1244.	1.0	67
44	The novel Na+ /Ca2+ exchange inhibitor KB-R7943 also blocks native and expressed neuronal nicotinic receptors. British Journal of Pharmacology, 2000, 130, 1893-1902.	2.7	67
45	An update on the pharmacology of galantamine. Expert Opinion on Investigational Drugs, 2007, 16, 1987-1998.	1.9	67
46	Synergistic neuroprotective effect of combined low concentrations of galantamine and melatonin against oxidative stress in SH-SY5Y neuroblastoma cells. Journal of Pineal Research, 2010, 49, 141-148.	3.4	65
47	Calcium channel subtypes in cat chromaffin cells.. Journal of Physiology, 1994, 477, 197-213.	1.3	63
48	Allosteric modulation of Î±7 nicotinic receptors selectively depolarizes hippocampal interneurons, enhancing spontaneous GABAergic transmission. European Journal of Neuroscience, 2008, 27, 1097-1110.	1.2	63
49	Re-evaluation of the P/Q Ca2+ channel components of Ba2+ currents in bovine chromaffin cells superfused with solutions containing low and high Ba2+ concentrations. Pflugers Archiv European Journal of Physiology, 1996, 432, 1030-1038.	1.3	61
50	Small-conductance Ca2+-activated K+ channels in bovine chromaffin cells. Pflugers Archiv European Journal of Physiology, 1993, 423-423, 97-103.	1.3	60
51	Localized L-type calcium channels control exocytosis in cat chromaffin cells. Pflugers Archiv European Journal of Physiology, 1994, 427, 348-354.	1.3	60
52	Effects of collagenase on the release of [³H]â€noradrenaline from bovine cultured adrenal chromaffin cells. British Journal of Pharmacology, 1984, 81, 599-610.	2.7	59
53	The nicotinic acetylcholine receptor of the bovine chromaffin cell, a new target for dihydropyridines. European Journal of Pharmacology, 1993, 247, 199-207.	2.7	59
54	Diadenosine Tetraphosphate Is Co-Released with ATP and Catecholamines from Bovine Adrenal Medulla. Journal of Neurochemistry, 1992, 59, 723-732.	2.1	57

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55	Voltage-independent autocrine modulation of L-type channels mediated by ATP, opioids and catecholamines in rat chromaffin cells. European Journal of Neuroscience, 1999, 11, 3574-3584.	1.2	57
56	Nicotinic receptor activation by epibatidine induces heme oxygenase-1 and protects chromaffin cells against oxidative stress. Journal of Neurochemistry, 2007, 102, 1842-1852.	2.1	57
57	Modulatory Mechanism of the Endogenous Peptide Catestatin on Neuronal Nicotinic Acetylcholine Receptors and Exocytosis. Journal of Neuroscience, 2002, 22, 377-388.	1.7	56
58	A dopaminergic receptor modulates catecholamine release from the cat adrenal gland.. Journal of Physiology, 1985, 362, 359-368.	1.3	55
59	Synthesis, acetylcholinesterase inhibition and neuroprotective activity of new tacrine analogues. Bioorganic and Medicinal Chemistry, 2005, 13, 1167-1175.	1.4	55
60	Galantamine and memantine produce different degrees of neuroprotection in rat hippocampal slices subjected to oxygenâ€“glucose deprivation. Neuroscience Letters, 2004, 365, 132-136.	1.0	54
61	Release of catecholamines and dopamine beta-hydroxylase from the perfused adrenal gland of the cat.. Journal of Physiology, 1975, 244, 805-824.	1.3	53
62	Bovine Chromaffin Cells Posses FTX-Sensitive Calcium Channels. Biochemical and Biophysical Research Communications, 1993, 194, 671-676.	1.0	53
63	The mechanism of Ba2+-induced exocytosis from single chromaffin cells. FEBS Letters, 1993, 336, 48-52.	1.3	52
64	Galantamine Postischemia Provides Neuroprotection and Memory Recovery against Transient Global Cerebral Ischemia in Gerbils. Journal of Pharmacology and Experimental Therapeutics, 2007, 322, 591-599.	1.3	52
65	SNX482 selectively blocks P/Q Ca2+ channels and delays the inactivation of Na+ channels of chromaffin cells. European Journal of Pharmacology, 2003, 475, 11-18.	1.7	51
66	Q-type Ca 2+ channels are located closer to secretory sites than L-type channels: functional evidence in chromaffin cells. Pflugers Archiv European Journal of Physiology, 1998, 435, 472-478.	1.3	50
67	CSF from amyotrophic lateral sclerosis patients produces glutamate independent death of rat motor brain cortical neurons: Protection by resveratrol but not riluzole. Brain Research, 2011, 1423, 77-86.	1.1	50
68	Endothelium-independent relaxation by 17-Î±-estradiol of pig coronary arteries. European Journal of Pharmacology, 1994, 258, 47-55.	1.7	49
69	Multipotent drugs with cholinergic and neuroprotective properties for the treatment of Alzheimer and neuronal vascular diseases. I. Synthesis, biological assessment, and molecular modeling of simple and readily available 2-aminopyridine-, and 2-chloropyridine-3,5-dicarbonitriles. Bioorganic and Medicinal Chemistry, 2010, 18, 5861-5872.	1.4	48
70	Galantamine elicits neuroprotection by inhibiting iNOS, NADPH oxidase and ROS in hippocampal slices stressed with anoxia/reoxygenation. Neuropharmacology, 2012, 62, 1082-1090.	2.0	48
71	Ca(2+)â€activated K+ channels modulate muscarinic secretion in cat chromaffin cells.. Journal of Physiology, 1992, 454, 213-230.	1.3	47
72	Novel tacrine derivatives that block neuronal calcium channels. Bioorganic and Medicinal Chemistry, 2002, 10, 2077-2088.	1.4	47

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73	Synthesis of 3-[(2,3-dihydro-1,1,3-trioxo-1,2-benzisothiazol-2-yl)alkyl] 1,4-dihydropyridine-3,5-dicarboxylate derivatives as calcium channel modulators. Journal of Medicinal Chemistry, 1992, 35, 2407-2414.	2.9	46
74	Old phenothiazine and dibenzothiadiazepine derivatives for tomorrowâ€™s neuroprotective therapies against neurodegenerative diseases. European Journal of Medicinal Chemistry, 2010, 45, 6152-6158.	2.6	46
75	N-Acylaminophenothiazines: Neuroprotective agents displaying multifunctional activities for a potential treatment of Alzheimerâ€™s disease. European Journal of Medicinal Chemistry, 2011, 46, 2224-2235.	2.6	46
76	CORRELATION BETWEEN CATECHOLAMINE SECRETION FROM BOVINE ISOLATED CHROMAFFIN CELLS AND [³H]â€OUABAIN BINDING TO PLASMA MEMBRANES. British Journal of Pharmacology, 1981, 72, 31-40.	2.7	45
77	Chromaffin Cells of the Adrenal Medulla: Physiology, Pharmacology, and Disease. , 2019, 9, 1443-1502.		45
78	Separation of two pathways for calcium entry into chromaffin cells. British Journal of Pharmacology, 1991, 103, 1073-1078.	2.7	44
79	Separation of calcium channel current components in mouse chromaffin cells superfused with low- and high-barium solutions. Pflugers Archiv European Journal of Physiology, 1998, 436, 75-82.	1.3	44
80	Voltage inactivation of Ca2+entry and secretion associated with N- and P/Q-type but not L-type Ca2+channels of bovine chromaffin cells. Journal of Physiology, 1999, 516, 421-432.	1.3	44
81	Assessment of sex differences in pharmacokinetics and pharmacodynamics of amlodipine in a bioequivalence study. Pharmacological Research, 2005, 51, 445-452.	3.1	44
82	The purinergic P2X7 receptor as a potential drug target to combat neuroinflammation in neurodegenerative diseases. Medicinal Research Reviews, 2020, 40, 2427-2465.	5.0	44
83	Dotarizine versus flunarizine as calcium antagonists in chromaffin cells. British Journal of Pharmacology, 1995, 114, 369-376.	2.7	43
84	Human adrenal chromaffin cell calcium channels: drastic current facilitation in cell clusters, but not in isolated cells. Pflugers Archiv European Journal of Physiology, 1998, 436, 696-704.	1.3	43
85	Greater diversity than previously thought of chromaffin cell Ca2+ channels, derived from mRNA identification studies. FEBS Letters, 2000, 481, 235-239.	1.3	42
86	A perforated patch-clamp study of calcium currents and exocytosis in chromaffin cells of wild-type and Î±1A knockout mice. Journal of Neurochemistry, 2002, 81, 911-921.	2.1	42
87	Synthesis and biological evaluation of new 4H-pyrano[2,3-b]quinoline derivatives that block acetylcholinesterase and cell calcium signals, and cause neuroprotection against calcium overload and free radicals. European Journal of Medicinal Chemistry, 2006, 41, 1464-1469.	2.6	42
88	New Classes of AChE Inhibitors with Additional Pharmacological Effects of Interest for the Treatment of Alzheimers Disease. Current Pharmaceutical Design, 2004, 10, 3177-3184.	0.9	41
89	Effects of the novel dihydropyridine BAY-K-8644 on adrenomedullary catecholamine release evoked by calcium reintroduction. Biochemical and Biophysical Research Communications, 1984, 120, 851-857.	1.0	40
90	Relative sensitivities of chromaffin cell calcium channels to organic and inorganic calcium antagonists. Neuroscience Letters, 1987, 77, 333-338.	1.0	40

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91	New multipotent tetracyclic tacrines with neuroprotective activity. Bioorganic and Medicinal Chemistry, 2006, 14, 8176-8185.	1.4	40
92	Depolarization preconditioning produces cytoprotection against veratridine-induced chromaffin cell death. European Journal of Pharmacology, 2006, 553, 28-38.	1.7	40
93	Secretory and radioligand binding studies on muscarinic receptors in bovine and feline chromaffin cells.. Journal of Physiology, 1989, 418, 411-426.	1.3	39
94	Characterization of Two Chromaffin Cell Populations Isolated from Bovine Adrenal Medulla. Journal of Neurochemistry, 1991, 57, 363-369.	2.1	39
95	Pharmacological protection against the cytotoxicity induced by 6-hydroxydopamine and H2O2 in chromaffin cells. European Journal of Pharmacology - Environmental Toxicology and Pharmacology Section, 1995, 293, 55-64.	0.8	39
96	L-type calcium channels in enterochromaffin cells from guinea pig and human duodenal crypts: An in situ study. Gastroenterology, 1999, 117, 1363-1369.	0.6	39
97	Effects of memantine and galantamine given separately or in association, on memory and hippocampal neuronal loss after transient global cerebral ischemia in gerbils. Brain Research, 2009, 1254, 128-137.	1.1	39
98	Dihydropyridine Modulation of the Chromaffin Cell Secretory Response. Journal of Neurochemistry, 1987, 48, 483-490.	2.1	38
99	Improving Treatment Adherence in Your Patients with Schizophrenia. Clinical Drug Investigation, 2013, 33, 97-107.	1.1	38
100	Catecholamine secretory response to calcium reintroduction in the perfused cat adrenal gland treated with ouabain. Biochemical Pharmacology, 1980, 29, 2669-2673.	2.0	37
101	Chondroitin sulfate inhibits lipopolysaccharide-induced inflammation in rat astrocytes by preventing nuclear factor kappa B activation. Neuroscience, 2010, 167, 872-879.	1.1	37
102	Differential blockade of rat Î±3 Î²4 and Î±7 neuronal nicotinic receptors by Ï‰-conotoxin MVIIC, Ï‰-conotoxin GVIA and diltiazem. British Journal of Pharmacology, 1999, 127, 1375-1387.	2.7	36
103	Tight coupling of the t-SNARE and calcium channel microdomains in adrenomedullary slices and not in cultured chromaffin cells. Cell Calcium, 2007, 41, 547-558.	1.1	36
104	Pharmacological implications of the Ca 2+ / cAMP signaling interaction: from risk for antihypertensive therapy to potential beneficial for neurological and psychiatric disorders. Pharmacology Research and Perspectives, 2015, 3, e00181.	1.1	36
105	Melatoninâ€“sulforaphane hybrid <scp>ITH</scp>12674 induces neuroprotection in oxidative stress conditions by a â€˜drugâ€“prodrugâ€™ mechanism of action. British Journal of Pharmacology, 2015, 172, 1807-1821.	2.7	36
106	The Stimulated Glycolytic Pathway Is Able to Maintain ATP Levels and Kinetic Patterns of Bovine Epididymal Sperm Subjected to Mitochondrial Uncoupling. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-8.	1.9	36
107	Diadenosine 5â€²,5â€²â€²â€²-P1,P4-tetraphosphate (Ap4A), ATP and catecholamine content in bovine adrenal medulla, chromaffin granules and chromaffin cells. Biochimie, 1994, 76, 404-409.	1.3	34
108	Alamethicin channel permeation by Ca2+, Mn2+and Ni2+in bovine chromaffin cells. FEBS Letters, 1991, 283, 89-92.	1.3	33

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109	Effects of Ï‰-toxins on noradrenergic neurotransmission in beating guinea pig atria. European Journal of Pharmacology, 1995, 276, 231-238.	1.7	33
110	L-type calcium channels are preferentially coupled to endocytosis in bovine chromaffin cells. Biochemical and Biophysical Research Communications, 2007, 357, 834-839.	1.0	33
111	Synthesis of 6-amino-1,4-dihydropyridines that prevent calcium overload and neuronal death. European Journal of Medicinal Chemistry, 2008, 43, 668-674.	2.6	33
112	Mitochondrial Na⁺/Ca²⁺-Exchanger Blocker CGP37157 Protects against Chromaffin Cell Death Elicited by Veratridine. Journal of Pharmacology and Experimental Therapeutics, 2009, 330, 844-854.	1.3	33
113	Stabilizers of Neuronal and Mitochondrial Calcium Cycling as a Strategy for Developing a Medicine for Alzheimer's Disease. ACS Chemical Neuroscience, 2012, 3, 873-883.	1.7	33
114	Release of noradrenaline from slices of cat spleen by preâ€treatment with calcium, strontium and barium. Journal of Physiology, 1973, 235, 693-713.	1.3	32
115	Single-Vesicle Catecholamine Release Has Greater Quantal Content and Faster Kinetics in Chromaffin Cells from Hypertensive, as Compared with Normotensive, Rats. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 685-693.	1.3	32
116	Inactivation of the early calcium uptake and noradrenaline release evoked by potassium in cultured chromaffin cells. Biochemical and Biophysical Research Communications, 1986, 134, 1-7.	1.0	30
117	Distinct effects of Ï‰-toxins and various groups of Ca2+-entry inhibitors on nicotinic acetylcholine receptor and Ca2+ channels of chromaffin cells. European Journal of Pharmacology, 1997, 320, 249-257.	1.7	30
118	Role of the Endoplasmic Reticulum and Mitochondria on Quantal Catecholamine Release from Chromaffin Cells of Control and Hypertensive Rats. Journal of Pharmacology and Experimental Therapeutics, 2009, 329, 231-240.	1.3	30
119	Tissue and plasma catecholamines and dopamine betaâ€hydroxylase activity of various animal species after neurogenic sympathetic stimulation.. Journal of Physiology, 1978, 285, 515-529.	1.3	29
120	Mitochondrial calcium sequestration and protein kinase C cooperate in the regulation of cortical F-actin disassembly and secretion in bovine chromaffin cells. Journal of Physiology, 2004, 560, 63-76.	1.3	29
121	Characterization of a Dopaminergic Receptor that Modulates Adrenomedullary Catecholamine Release. Journal of Neurochemistry, 1986, 47, 382-388.	2.1	29
122	Synthesis, structure, theoretical and experimental in vitro antioxidant/pharmacological properties of Î±-aryl, N-alkyl nitrones, as potential agents for the treatment of cerebral ischemia. Bioorganic and Medicinal Chemistry, 2011, 19, 951-960.	1.4	29
123	A Two-Dimensional Electrophoresis Study of Phosphorylation and Dephosphorylation of Chromaffin Cell Proteins in Response to a Secretory Stimulus. Journal of Neurochemistry, 1988, 51, 1023-1030.	2.1	28
124	ITH4012 (Ethyl 5-Amino-6,7,8,9-tetrahydro-2-methyl-4-phenylbenzol[1,8]naphthyridine-3-carboxylate), a Novel Acetylcholinesterase Inhibitor with â€œCalcium Promotorâ€•and Neuroprotective Properties. Journal of Pharmacology and Experimental Therapeutics, 2004, 310, 987-994.	1.3	28
125	A Dihydropyridine-Resistant Component in the Rat Adrenal Secretory Response to Splanchnic Nerve Stimulation. Journal of Neurochemistry, 1992, 58, 2139-2144.	2.1	27
126	A Component of the Catecholamine Secretory Response in the Bovine Adrenal Gland Is Resistant to Dihydropyridines and Ï‰-Conotoxin. Biochemical and Biophysical Research Communications, 1993, 191, 1278-1283.	1.0	27

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127	Permeation by zinc of bovine chromaffin cell calcium channels: relevance to secretion. Pflugers Archiv European Journal of Physiology, 1994, 429, 231-239.	1.3	27
128	Differential effects of the neuroprotectant lubeluzole on bovine and mouse chromaffin cell calcium channel subtypes. British Journal of Pharmacology, 1997, 122, 275-285.	2.7	27
129	Analogies and differences between Ï‰-conotoxins MVIIC and MVIID: binding sites and functions in bovine chromaffin cells. Pflugers Archiv European Journal of Physiology, 1997, 435, 55-64.	1.3	27
130	Acetylcholine and potassium elicit different patterns of exocytosis in chromaffin cells when the intracellular calcium handling is disturbed. Pflugers Archiv European Journal of Physiology, 2002, 444, 133-142.	1.3	27
131	Neuroprotective effect of the new thiadiazolidinone NP00111 against oxygen-glucose deprivation in rat hippocampal slices: Implication of ERK1/2 and PPARÎ³ receptors. Experimental Neurology, 2008, 212, 93-99.	2.0	27
132	Mitochondria sense with different kinetics the calcium entering into HeLa cells through calcium channels CALHM1 and mutated P86L-CALHM1. Biochemical and Biophysical Research Communications, 2010, 391, 722-726.	1.0	27
133	Chondroitin sulfate reduces cell death of rat hippocampal slices subjected to oxygen and glucose deprivation by inhibiting p38, NFÎºB and iNOS. Neurochemistry International, 2011, 58, 676-683.	1.9	27
134	`Wide-spectrum Ca2+ channel antagonists': lipophilicity, inhibition, and recovery of secretion in chromaffin cells. European Journal of Pharmacology, 1997, 325, 109-119.	1.7	26
135	Benzothiazepine CGP37157 and Its Isosteric 2â€²-Methyl Analogue Provide Neuroprotection and Block Cell Calcium Entry. ACS Chemical Neuroscience, 2012, 3, 519-529.	1.7	26
136	P2X7 Receptor Antagonism as a Potential Therapy in Amyotrophic Lateral Sclerosis. Frontiers in Molecular Neuroscience, 2020, 13, 93.	1.4	26
137	M2 muscarinoceptor-associated ionophore at the cat adrenal medulla. Biochemical and Biophysical Research Communications, 1987, 144, 965-972.	1.0	25
138	Activation of adrenal medullary L-arginine: nitric oxide pathway by stimuli which induce the release of catecholamines. European Journal of Pharmacology, 1993, 246, 213-218.	2.7	25
139	Bcl2 mitigates Ca2+ entry and mitochondrial Ca2+ overload through downregulation of L-type Ca2+ channels in PC12 cells. Cell Calcium, 2008, 44, 339-352.	1.1	25
140	Novel multitarget ligand ITH33/IQM9.21 provides neuroprotection in inÂvitro and inÂvivo models related to brain ischemia. Neuropharmacology, 2013, 67, 403-411.	2.0	25
141	Presence and axonal transport of cholinoceptor, but not adrenoceptor sites on a cat noradrenergic neurone. Journal of Physiology, 1982, 333, 595-618.	1.3	24
142	Differential Expression of Calcium Channel Subtypes in the Bovine Adrenal Medulla. Neuroendocrinology, 2001, 74, 251-261.	1.2	24
143	Enhancement of purinergic neurotransmission by galantamine and other acetylcholinesterase inhibitors in the rat vas deferens. European Journal of Pharmacology, 2004, 503, 191-201.	1.7	24
144	Mitochondrial Na+/Ca2+ exchanger, a new target for neuroprotection in rat hippocampal slices. Biochemical and Biophysical Research Communications, 2010, 400, 140-144.	1.0	24

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145	Modulation by endogenously released ATP and opioids of chromaffin cell calcium channels in mouse adrenal slices. American Journal of Physiology - Cell Physiology, 2011, 300, C610-C623.	2.1	24
146	The Neuroprotection Exerted by Memantine, Minocycline and Lithium, against Neurotoxicity of CSF from Patients with Amyotrophic Lateral Sclerosis, Is Antagonized by Riluzole. Neurodegenerative Diseases, 2014, 13, 171-179.	0.8	24
147	Neuroprotection by Nicotine in Hippocampal Slices Subjected to Oxygen-Glucose Deprivation: Involvement of the Î±7 nAChR Subtype. Journal of Molecular Neuroscience, 2006, 30, 61-62.	1.1	23
148	Mitochondria and chromaffin cell function. Pflugers Archiv European Journal of Physiology, 2012, 464, 33-41.	1.3	23
149	Nanomolar ouabain elicits apoptosis through a direct action on HeLa cell mitochondria. Steroids, 2013, 78, 1110-1118.	0.8	23
150	Inhibition of Na, K-activated ATPase and release of neurotransmitters. Nature, 1975, 257, 722-722.	13.7	22
151	CORRELATION BETWEEN CATECHOLAMINE RELEASE AND SODIUM PUMP INHIBITION IN THE PERFUSED ADRENAL GLAND OF THE CAT. British Journal of Pharmacology, 1981, 74, 665-672.	2.7	22
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