

Antonio Garcia Garcia

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354
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53
h-index

83
g-index

365
ext. papers

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avg, IF

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L-index

#	Paper	IF	Citations
354	Chromaffin-cell stimulation triggers fast millimolar mitochondrial Ca ²⁺ transients that modulate secretion. <i>Nature Cell Biology</i> , 2000 , 2, 57-61	23.4	411
353	Recent advances in the multitarget-directed ligands approach for the treatment of Alzheimer's disease. <i>Medicinal Research Reviews</i> , 2013 , 33, 139-89	14.4	344
352	Calcium signaling and exocytosis in adrenal chromaffin cells. <i>Physiological Reviews</i> , 2006 , 86, 1093-131	47.9	267
351	Dihydropyridine BAY-K-8644 activates chromaffin cell calcium channels. <i>Nature</i> , 1984 , 309, 69-71	50.4	242
350	Novel tacrine-8-hydroxyquinoline hybrids as multifunctional agents for the treatment of Alzheimer's disease, with neuroprotective, cholinergic, antioxidant, and copper-complexing properties. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 4927-37	8.3	218
349	Synthesis and pharmacology of galantamine. <i>Chemical Reviews</i> , 2006 , 106, 116-33	68.1	206
348	Separation and culture of living adrenaline- and noradrenaline-containing cells from bovine adrenal medullae. <i>Analytical Biochemistry</i> , 1990 , 185, 243-8	3.1	186
347	Ca ²⁺ -induced Ca ²⁺ release in chromaffin cells seen from inside the ER with targeted aequorin. <i>Journal of Cell Biology</i> , 1999 , 144, 241-54	7.3	154
346	Pharmacological dissection of receptor-associated and voltage-sensitive ionic channels involved in catecholamine release. <i>Neuroscience</i> , 1983 , 10, 1455-62	3.9	146
345	Unequal neuroprotection afforded by the acetylcholinesterase inhibitors galantamine, donepezil, and rivastigmine in SH-SY5Y neuroblastoma cells: role of nicotinic receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005 , 315, 1346-53	4.7	140
344	Tacrine-melatonin hybrids as multifunctional agents for Alzheimer's disease, with cholinergic, antioxidant, and neuroprotective properties. <i>ChemMedChem</i> , 2009 , 4, 828-41	3.7	132
343	Galantamine prevents apoptosis induced by beta-amyloid and thapsigargin: involvement of nicotinic acetylcholine receptors. <i>Neuropharmacology</i> , 2004 , 46, 103-14	5.5	123
342	Tacripyrines, the first tacrine-dihydropyridine hybrids, as multitarget-directed ligands for the treatment of Alzheimer's disease. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 2724-32	8.3	119
341	Immunomodulatory and anti-inflammatory effects of chondroitin sulphate. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 1451-63	5.6	108
340	Antidepressant-like effect of the novel thiadiazolidinone NP031115 in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2008 , 32, 1549-56	5.5	105
339	Redistribution of Ca ²⁺ among cytosol and organelle during stimulation of bovine chromaffin cells. <i>FASEB Journal</i> , 2002 , 16, 343-53	0.9	104
338	Calcium entry through L-type calcium channels causes mitochondrial disruption and chromaffin cell death. <i>Journal of Biological Chemistry</i> , 2001 , 276, 39695-704	5.4	102

337	Unmasking the functions of the chromaffin cell alpha7 nicotinic receptor by using short pulses of acetylcholine and selective blockers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 14184-9	11.5	98
336	Novel multipotent tacrine-dihydropyridine hybrids with improved acetylcholinesterase inhibitory and neuroprotective activities as potential drugs for the treatment of Alzheimer's disease. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 7607-10	8.3	93
335	Inhibition of voltage-gated Ca ²⁺ entry into GH3 and chromaffin cells by imidazole antimycotics and other cytochrome P450 blockers. <i>FASEB Journal</i> , 1992 , 6, 2742-7	0.9	89
334	ATP modulation of calcium channels in chromaffin cells. <i>Journal of Physiology</i> , 1993 , 470, 55-72	3.9	87
333	Neuroprotective and cholinergic properties of multifunctional glutamic acid derivatives for the treatment of Alzheimer's disease. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 7249-57	8.3	85
332	Synthesis, biological evaluation and molecular modelling of diversely functionalized heterocyclic derivatives as inhibitors of acetylcholinesterase/butyrylcholinesterase and modulators of Ca ²⁺ channels and nicotinic receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2004 , 12, 2199-218	3.4	83
331	Combined nimodipine and citicoline reduce infarct size, attenuate apoptosis and increase bcl-2 expression after focal cerebral ischemia. <i>Neuroscience</i> , 2003 , 118, 107-13	3.9	82
330	Neuroprotectant minocycline depresses glutamatergic neurotransmission and Ca(2+) signalling in hippocampal neurons. <i>European Journal of Neuroscience</i> , 2007 , 26, 2481-95	3.5	81
329	A physiological view of the central and peripheral mechanisms that regulate the release of catecholamines at the adrenal medulla. <i>Acta Physiologica</i> , 2008 , 192, 287-301	5.6	80
328	Chondroitin sulfate protects SH-SY5Y cells from oxidative stress by inducing heme oxygenase-1 via phosphatidylinositol 3-kinase/Akt. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 323, 946-53	4.7	79
327	Release of noradrenaline from the cat spleen by sodium deprivation. <i>British Journal of Pharmacology</i> , 1973 , 47, 729-47	8.6	79
326	Neuroprotection afforded by nicotine against oxygen and glucose deprivation in hippocampal slices is lost in alpha7 nicotinic receptor knockout mice. <i>Neuroscience</i> , 2007 , 145, 866-72	3.9	73
325	Continuous monitoring of catecholamine release from perfused cat adrenals. <i>Journal of Neuroscience Methods</i> , 1986 , 16, 289-300	3	71
324	New tacrine-dihydropyridine hybrids that inhibit acetylcholinesterase, calcium entry, and exhibit neuroprotection properties. <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 7759-69	3.4	69
323	On the release of catecholamines and dopamine-beta-hydroxylase evoked by ouabain in the perfused cat adrenal gland. <i>British Journal of Pharmacology</i> , 1980 , 68, 571-83	8.6	69
322	A calcium ionophore stimulating the secretion of catecholamines from the cat adrenal. <i>Journal of Physiology</i> , 1975 , 244, 253-62	3.9	69
321	Calcium-dependent inhibition of L, N, and P/Q Ca ²⁺ channels in chromaffin cells: role of mitochondria. <i>Journal of Neuroscience</i> , 2001 , 21, 2553-60	6.6	67
320	Separate binding and functional sites for omega-conotoxin and nitrendipine suggest two types of calcium channels in bovine chromaffin cells. <i>Journal of Neurochemistry</i> , 1989 , 53, 1050-6	6	67

319	Antioxidant, antiinflammatory and neuroprotective actions of chondroitin sulfate and proteoglycans. <i>Osteoarthritis and Cartilage</i> , 2010 , 18 Suppl 1, S24-7	6.2	65
318	Opioid inhibition of Ca ²⁺ channel subtypes in bovine chromaffin cells: selectivity of action and voltage-dependence. <i>European Journal of Neuroscience</i> , 1996 , 8, 1561-70	3.5	65
317	The novel Na(+)/Ca(2+) exchange inhibitor KB-R7943 also blocks native and expressed neuronal nicotinic receptors. <i>British Journal of Pharmacology</i> , 2000 , 130, 1893-902	8.6	64
316	Three-dimensional structure of omega-conotoxin GVIA determined by 1H NMR. <i>Biochemical and Biophysical Research Communications</i> , 1993 , 192, 1238-44	3.4	63
315	Poststress treatment with PNU282987 can rescue SH-SY5Y cells undergoing apoptosis via α 7 nicotinic receptors linked to a Jak2/Akt/HO-1 signaling pathway. <i>Free Radical Biology and Medicine</i> , 2010 , 49, 1815-21	7.8	62
314	omega-Agatoxin-IVA-sensitive calcium channels in bovine chromaffin cells. <i>FEBS Letters</i> , 1993 , 336, 259-62	6.2	62
313	Allosteric modulation of alpha 7 nicotinic receptors selectively depolarizes hippocampal interneurons, enhancing spontaneous GABAergic transmission. <i>European Journal of Neuroscience</i> , 2008 , 27, 1097-110	3.5	61
312	Multiple calcium channel subtypes in isolated rat chromaffin cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1995 , 430, 55-63	4.6	61
311	Effect of experimental subarachnoid hemorrhage on the adrenergic innervation of cerebral arteries. <i>Journal of Neurosurgery</i> , 1980 , 53, 477-9	3.2	61
310	Synthesis, inhibitory activity of cholinesterases, and neuroprotective profile of novel 1,8-naphthyridine derivatives. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 5129-43	8.3	58
309	Small-conductance Ca(2+)-activated K+ channels in bovine chromaffin cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1993 , 423, 97-103	4.6	58
308	Effects of collagenase on the release of [3H]-noradrenaline from bovine cultured adrenal chromaffin cells. <i>British Journal of Pharmacology</i> , 1984 , 81, 599-610	8.6	56
307	Synergistic neuroprotective effect of combined low concentrations of galantamine and melatonin against oxidative stress in SH-SY5Y neuroblastoma cells. <i>Journal of Pineal Research</i> , 2010 , 49, 141-8	10.4	55
306	Diadenosine tetraphosphate is co-released with ATP and catecholamines from bovine adrenal medulla. <i>Journal of Neurochemistry</i> , 1992 , 59, 723-32	6	55
305	The nicotinic acetylcholine receptor of the bovine chromaffin cell, a new target for dihydropyridines. <i>European Journal of Pharmacology</i> , 1993 , 247, 199-207		55
304	Nicotinic receptor activation by epibatidine induces heme oxygenase-1 and protects chromaffin cells against oxidative stress. <i>Journal of Neurochemistry</i> , 2007 , 102, 1842-1852	6	54
303	Localized L-type calcium channels control exocytosis in cat chromaffin cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1994 , 427, 348-54	4.6	54
302	An update on the pharmacology of galantamine. <i>Expert Opinion on Investigational Drugs</i> , 2007 , 16, 1987-98	9.8	53

301	Synthesis, acetylcholinesterase inhibition and neuroprotective activity of new tacrine analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 1167-75	3-4	53
300	Bovine chromaffin cells possess FTX-sensitive calcium channels. <i>Biochemical and Biophysical Research Communications</i> , 1993 , 194, 671-6	3-4	53
299	Release of catecholamines and dopamine beta-hydroxylase from the perfused adrenal gland of the cat. <i>Journal of Physiology</i> , 1975 , 244, 805-24	3-9	53
298	Galantamine and memantine produce different degrees of neuroprotection in rat hippocampal slices subjected to oxygen-glucose deprivation. <i>Neuroscience Letters</i> , 2004 , 365, 132-6	3-3	52
297	Calcium channel subtypes in cat chromaffin cells. <i>Journal of Physiology</i> , 1994 , 477, 197-213	3-9	52
296	Re-evaluation of the P/Q Ca ²⁺ channel components of Ba ²⁺ currents in bovine chromaffin cells superfused with solutions containing low and high Ba ²⁺ concentrations. <i>Pflugers Archiv European Journal of Physiology</i> , 1996 , 432, 1030-8	4-6	50
295	Modulatory mechanism of the endogenous peptide catestatin on neuronal nicotinic acetylcholine receptors and exocytosis. <i>Journal of Neuroscience</i> , 2002 , 22, 377-88	6-6	49
294	Q-type Ca ²⁺ channels are located closer to secretory sites than L-type channels: functional evidence in chromaffin cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1998 , 435, 472-8	4-6	47
293	Galantamine postischemia provides neuroprotection and memory recovery against transient global cerebral ischemia in gerbils. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 322, 591-9	4-7	47
292	SNX482 selectively blocks P/Q Ca ²⁺ channels and delays the inactivation of Na ⁺ channels of chromaffin cells. <i>European Journal of Pharmacology</i> , 2003 , 475, 11-8	5-3	47
291	Voltage-independent autocrine modulation of L-type channels mediated by ATP, opioids and catecholamines in rat chromaffin cells. <i>European Journal of Neuroscience</i> , 1999 , 11, 3574-84	3-5	47
290	The mechanism of Ba(2+)-induced exocytosis from single chromaffin cells. <i>FEBS Letters</i> , 1993 , 336, 48-52,8		47
289	Novel tacrine derivatives that block neuronal calcium channels. <i>Bioorganic and Medicinal Chemistry</i> , 2002 , 10, 2077-88	3-4	45
288	Ca(2+)-activated K ⁺ channels modulate muscarinic secretion in cat chromaffin cells. <i>Journal of Physiology</i> , 1992 , 454, 213-30	3-9	45
287	A dopaminergic receptor modulates catecholamine release from the cat adrenal gland. <i>Journal of Physiology</i> , 1985 , 362, 359-68	3-9	45
286	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. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 5861-72	3-4	44
285	Endothelium-independent relaxation by 17-alpha-estradiol of pig coronary arteries. <i>European Journal of Pharmacology</i> , 1994 , 258, 47-55	5-3	43
284	Correlation between catecholamine secretion from bovine isolated chromaffin cells and [3H]-ouabain binding to plasma membranes. <i>British Journal of Pharmacology</i> , 1981 , 72, 31-40	8-6	43

283	CSF from amyotrophic lateral sclerosis patients produces glutamate independent death of rat motor brain cortical neurons: protection by resveratrol but not riluzole. <i>Brain Research</i> , 2011 , 1423, 77-86	3.7	42
282	N-acylaminophenothiazines: neuroprotective agents displaying multifunctional activities for a potential treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 2224-35	6.8	42
281	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. <i>Journal of Medicinal Chemistry</i> , 1992 , 35, 2407-14	8.3	42
280	Galantamine elicits neuroprotection by inhibiting iNOS, NADPH oxidase and ROS in hippocampal slices stressed with anoxia/reoxygenation. <i>Neuropharmacology</i> , 2012 , 62, 1082-90	5.5	40
279	Separation of calcium channel current components in mouse chromaffin cells superfused with low- and high-barium solutions. <i>Pflugers Archiv European Journal of Physiology</i> , 1998 , 436, 75-82	4.6	40
278	Separation of two pathways for calcium entry into chromaffin cells. <i>British Journal of Pharmacology</i> , 1991 , 103, 1073-8	8.6	40
277	Old phenothiazine and dibenzothiadiazepine derivatives for tomorrow's neuroprotective therapies against neurodegenerative diseases. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 6152-8	6.8	39
276	Voltage inactivation of Ca ²⁺ entry and secretion associated with N- and P/Q-type but not L-type Ca ²⁺ channels of bovine chromaffin cells. <i>Journal of Physiology</i> , 1999 , 516 (Pt 2), 421-32	3.9	39
275	Relative sensitivities of chromaffin cell calcium channels to organic and inorganic calcium antagonists. <i>Neuroscience Letters</i> , 1987 , 77, 333-8	3.3	39
274	Human adrenal chromaffin cell calcium channels: drastic current facilitation in cell clusters, but not in isolated cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1998 , 436, 696-704	4.6	38
273	Depolarization preconditioning produces cytoprotection against veratridine-induced chromaffin cell death. <i>European Journal of Pharmacology</i> , 2006 , 553, 28-38	5.3	38
272	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. <i>European Journal of Medicinal Chemistry</i> , 2006 , 41, 1464-9	6.8	38
271	A perforated patch-clamp study of calcium currents and exocytosis in chromaffin cells of wild-type and alpha(1A) knockout mice. <i>Journal of Neurochemistry</i> , 2002 , 81, 911-21	6	38
270	Characterization of two chromaffin cell populations isolated from bovine adrenal medulla. <i>Journal of Neurochemistry</i> , 1991 , 57, 363-9	6	38
269	Assessment of sex differences in pharmacokinetics and pharmacodynamics of amlodipine in a bioequivalence study. <i>Pharmacological Research</i> , 2005 , 51, 445-52	10.2	37
268	Greater diversity than previously thought of chromaffin cell Ca ²⁺ channels, derived from mRNA identification studies. <i>FEBS Letters</i> , 2000 , 481, 235-9	3.8	37
267	Pharmacological protection against the cytotoxicity induced by 6-hydroxydopamine and H ₂ O ₂ in chromaffin cells. <i>European Journal of Pharmacology - Environmental Toxicology and Pharmacology Section</i> , 1995 , 293, 55-64		37
266	Dotarizine versus flunarizine as calcium antagonists in chromaffin cells. <i>British Journal of Pharmacology</i> , 1995 , 114, 369-76	8.6	37

265	Secretory and radioligand binding studies on muscarinic receptors in bovine and feline chromaffin cells. <i>Journal of Physiology</i> , 1989 , 418, 411-26	3.9	37
264	Effects of the novel dihydropyridine BAY-K-8644 on adrenomedullary catecholamine release evoked by calcium reintroduction. <i>Biochemical and Biophysical Research Communications</i> , 1984 , 120, 851-374	3.4	37
263	New multipotent tetracyclic tacrines with neuroprotective activity. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 8176-85	3.4	36
262	L-Type calcium channels in enterochromaffin cells from guinea pig and human duodenal crypts: an in situ study. <i>Gastroenterology</i> , 1999 , 117, 1363-9	13.3	36
261	Dihydropyridine modulation of the chromaffin cell secretory response. <i>Journal of Neurochemistry</i> , 1987 , 48, 483-90	6	36
260	Effects of memantine and galantamine given separately or in association, on memory and hippocampal neuronal loss after transient global cerebral ischemia in gerbils. <i>Brain Research</i> , 2009 , 1254, 128-37	3.7	35
259	Tight coupling of the t-SNARE and calcium channel microdomains in adrenomedullary slices and not in cultured chromaffin cells. <i>Cell Calcium</i> , 2007 , 41, 547-58	4	34
258	Improving treatment adherence in your patients with schizophrenia: the STAY initiative. <i>Clinical Drug Investigation</i> , 2013 , 33, 97-107	3.2	33
257	Differential blockade of rat alpha3beta4 and alpha7 neuronal nicotinic receptors by omega-conotoxin MVIIIC, omega-conotoxin GVIA and diltiazem. <i>British Journal of Pharmacology</i> , 1999 , 127, 1375-87	8.6	33
256	New classes of AChE inhibitors with additional pharmacological effects of interest for the treatment of Alzheimer's disease. <i>Current Pharmaceutical Design</i> , 2004 , 10, 3177-84	3.3	33
255	Melatonin-sulforaphane hybrid ITH12674 induces neuroprotection in oxidative stress conditions by a 'drug-prodrug' mechanism of action. <i>British Journal of Pharmacology</i> , 2015 , 172, 1807-21	8.6	32
254	Chondroitin sulfate inhibits lipopolysaccharide-induced inflammation in rat astrocytes by preventing nuclear factor kappa B activation. <i>Neuroscience</i> , 2010 , 167, 872-9	3.9	32
253	Synthesis of 6-amino-1,4-dihydropyridines that prevent calcium overload and neuronal death. <i>European Journal of Medicinal Chemistry</i> , 2008 , 43, 668-74	6.8	32
252	L-type calcium channels are preferentially coupled to endocytosis in bovine chromaffin cells. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 357, 834-9	3.4	32
251	Catecholamine secretory response to calcium reintroduction in the perfused cat adrenal gland treated with ouabain. <i>Biochemical Pharmacology</i> , 1980 , 29, 2669-73	6	31
250	Release of noradrenaline from slices of cat spleen by pre-treatment with calcium, strontium and barium. <i>Journal of Physiology</i> , 1973 , 235, 693-713	3.9	31
249	Stabilizers of neuronal and mitochondrial calcium cycling as a strategy for developing a medicine for Alzheimer's disease. <i>ACS Chemical Neuroscience</i> , 2012 , 3, 873-83	5.7	30
248	Mitochondrial Na ⁺ /Ca ²⁺ -exchanger blocker CGP37157 protects against chromaffin cell death elicited by veratridine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 330, 844-54	4.7	30

247	Diadenosine 5',5"-P1,P4-tetraphosphate (Ap4A), ATP and catecholamine content in bovine adrenal medulla, chromaffin granules and chromaffin cells. <i>Biochimie</i> , 1994 , 76, 404-9	4.6	30
246	Tissue and plasma catecholamines and dopamine beta-hydroxylase activity of various animal species after neurogenic sympathetic stimulation. <i>Journal of Physiology</i> , 1978 , 285, 515-29	3.9	29
245	Role of the endoplasmic reticulum and mitochondria on quantal catecholamine release from chromaffin cells of control and hypertensive rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 329, 231-40	4.7	28
244	Mitochondrial calcium sequestration and protein kinase C cooperate in the regulation of cortical F-actin disassembly and secretion in bovine chromaffin cells. <i>Journal of Physiology</i> , 2004 , 560, 63-76	3.9	28
243	Inactivation of the early calcium uptake and noradrenaline release evoked by potassium in cultured chromaffin cells. <i>Biochemical and Biophysical Research Communications</i> , 1986 , 134, 1-7	3.4	28
242	Single-vesicle catecholamine release has greater quantal content and faster kinetics in chromaffin cells from hypertensive, as compared with normotensive, rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008 , 324, 685-93	4.7	27
241	Effects of omega-toxins on noradrenergic neurotransmission in beating guinea pig atria. <i>European Journal of Pharmacology</i> , 1995 , 276, 231-8	5.3	26
240	Alamethicin channel permeation by Ca ²⁺ , Mn ²⁺ and Ni ²⁺ in bovine chromaffin cells. <i>FEBS Letters</i> , 1991 , 283, 89-92	3.8	26
239	Mitochondria sense with different kinetics the calcium entering into HeLa cells through calcium channels CALHM1 and mutated P86L-CALHM1. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 391, 722-6	3.4	25
238	Distinct effects of omega-toxins and various groups of Ca(2+)-entry inhibitors on nicotinic acetylcholine receptor and Ca ²⁺ channels of chromaffin cells. <i>European Journal of Pharmacology</i> , 1997 , 320, 249-57	5.3	25
237	Differential effects of the neuroprotectant lubeluzole on bovine and mouse chromaffin cell calcium channel subtypes. <i>British Journal of Pharmacology</i> , 1997 , 122, 275-85	8.6	25
236	Characterization of a dopaminergic receptor that modulates adrenomedullary catecholamine release. <i>Journal of Neurochemistry</i> , 1986 , 47, 382-8	6	25
235	ITH4012 (ethyl 5-amino-6,7,8,9-tetrahydro-2-methyl-4-phenylbenzol[1,8]naphthyridine-3-carboxylate), a novel acetylcholinesterase inhibitor with "calcium promotor" and neuroprotective properties. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 310, 987-94	4.7	25
234	M2 muscarinoceptor-associated ionophore at the cat adrenal medulla. <i>Biochemical and Biophysical Research Communications</i> , 1987 , 144, 965-72	3.4	25
233	A two-dimensional electrophoresis study of phosphorylation and dephosphorylation of chromaffin cell proteins in response to a secretory stimulus. <i>Journal of Neurochemistry</i> , 1988 , 51, 1023-30	6	25
232	The Stimulated Glycolytic Pathway Is Able to Maintain ATP Levels and Kinetic Patterns of Bovine Epididymal Sperm Subjected to Mitochondrial Uncoupling. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 1682393	6.7	24
231	Benzothiazepine CGP37157 and its isosteric 2'-methyl analogue provide neuroprotection and block cell calcium entry. <i>ACS Chemical Neuroscience</i> , 2012 , 3, 519-29	5.7	24
230	Synthesis, structure, theoretical and experimental in vitro antioxidant/pharmacological properties of Earyl, N-alkyl nitrones, as potential agents for the treatment of cerebral ischemia. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 951-60	3.4	24

229	'Wide-spectrum Ca ²⁺ channel antagonists': lipophilicity, inhibition, and recovery of secretion in chromaffin cells. <i>European Journal of Pharmacology</i> , 1997 , 325, 109-19	5.3	24
228	Acetylcholine and potassium elicit different patterns of exocytosis in chromaffin cells when the intracellular calcium handling is disturbed. <i>Pflugers Archiv European Journal of Physiology</i> , 2002 , 444, 133-42	4.6	24
227	Differential expression of calcium channel subtypes in the bovine adrenal medulla. <i>Neuroendocrinology</i> , 2001 , 74, 251-61	5.6	24
226	Permeation by zinc of bovine chromaffin cell calcium channels: relevance to secretion. <i>Pflugers Archiv European Journal of Physiology</i> , 1994 , 429, 231-9	4.6	24
225	Activation of adrenal medullary L-arginine: nitric oxide pathway by stimuli which induce the release of catecholamines. <i>European Journal of Pharmacology</i> , 1993 , 246, 213-8		24
224	Presence and axonal transport of cholinergic, but not adrenergic sites on a cat noradrenergic neurone. <i>Journal of Physiology</i> , 1982 , 333, 595-618	3.9	24
223	Mitochondrial Na ⁺ /Ca ²⁺ exchanger, a new target for neuroprotection in rat hippocampal slices. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 400, 140-4	3.4	23
222	Bcl2 mitigates Ca ²⁺ entry and mitochondrial Ca ²⁺ overload through downregulation of L-type Ca ²⁺ channels in PC12 cells. <i>Cell Calcium</i> , 2008 , 44, 339-52	4	23
221	A component of the catecholamine secretory response in the bovine adrenal gland is resistant to dihydropyridines and omega-conotoxin. <i>Biochemical and Biophysical Research Communications</i> , 1993 , 191, 1278-83	3.4	23
220	A dihydropyridine-resistant component in the rat adrenal secretory response to splanchnic nerve stimulation. <i>Journal of Neurochemistry</i> , 1992 , 58, 2139-44	6	23
219	Novel multitarget ligand ITH33/IQM9.21 provides neuroprotection in <i>in vitro</i> and <i>in vivo</i> models related to brain ischemia. <i>Neuropharmacology</i> , 2013 , 67, 403-11	5.5	22
218	Analogies and differences between omega-conotoxins MVIIC and MVIID: binding sites and functions in bovine chromaffin cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1997 , 435, 55-64	4.6	22
217	Neuroprotection by nicotine in hippocampal slices subjected to oxygen-glucose deprivation: involvement of the alpha7 nAChR subtype. <i>Journal of Molecular Neuroscience</i> , 2006 , 30, 61-2	3.3	22
216	Enhancement of purinergic neurotransmission by galantamine and other acetylcholinesterase inhibitors in the rat vas deferens. <i>European Journal of Pharmacology</i> , 2004 , 503, 191-201	5.3	22
215	In vitro denervation of the rat vas deferens through hypothermic storage. <i>British Journal of Pharmacology</i> , 1992 , 107, 610-5	8.6	22
214	Chromaffin Cells of the Adrenal Medulla: Physiology, Pharmacology, and Disease. <i>Comprehensive Physiology</i> , 2019 , 9, 1443-1502	7.7	21
213	The neuroprotection exerted by memantine, minocycline and lithium, against neurotoxicity of CSF from patients with amyotrophic lateral sclerosis, is antagonized by riluzole. <i>Neurodegenerative Diseases</i> , 2014 , 13, 171-9	2.3	21
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