

Manuela G. Lopez

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199
papers

7,914
citations

51
h-index

78
g-index

206
ext. papers

8,909
ext. citations

6
avg, IF

5.6
L-index

#	Paper	IF	Citations
199	Transcription Factor NRF2 as a Therapeutic Target for Chronic Diseases: A Systems Medicine Approach. <i>Pharmacological Reviews</i> , 2018 , 70, 348-383	22.5	271
198	Novel tacrine-8-hydroxyquinoline hybrids as multifunctional agents for the treatment of Alzheimer β disease, with neuroprotective, cholinergic, antioxidant, and copper-complexing properties. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 4927-37	8.3	218
197	The thioredoxin system as a therapeutic target in human health and disease. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 1266-303	8.4	205
196	Redox control of microglial function: molecular mechanisms and functional significance. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 1766-801	8.4	198
195	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
194	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , 2017 , 13, 94-162	11.3	185
193	Anti-inflammatory role of microglial $\alpha 7$ nAChRs and its role in neuroprotection. <i>Biochemical Pharmacology</i> , 2015 , 97, 463-472	6	176
192	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
191	The microglial $\alpha 7$ -acetylcholine nicotinic receptor is a key element in promoting neuroprotection by inducing heme oxygenase-1 via nuclear factor erythroid-2-related factor 2. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 1135-48	8.4	132
190	Tacrine-melatonin hybrids as multifunctional agents for Alzheimer β disease, with cholinergic, antioxidant, and neuroprotective properties. <i>ChemMedChem</i> , 2009 , 4, 828-41	3.7	132
189	Galantamine prevents apoptosis induced by beta-amyloid and thapsigargin: involvement of nicotinic acetylcholine receptors. <i>Neuropharmacology</i> , 2004 , 46, 103-14	5.5	123
188	Tacripyrines, the first tacrine-dihydropyridine hybrids, as multitarget-directed ligands for the treatment of Alzheimer β disease. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 2724-32	8.3	119
187	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
186	Functional interference between glycogen synthase kinase-3 beta and the transcription factor Nrf2 in protection against kainate-induced hippocampal cell death. <i>Molecular and Cellular Neurosciences</i> , 2008 , 39, 125-32	4.8	102
185	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
184	Unmasking the functions of the chromaffin cell $\alpha 7$ 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
183	Novel Tacrine-Benzofuran Hybrids as Potent Multitarget-Directed Ligands for the Treatment of Alzheimer β Disease: Design, Synthesis, Biological Evaluation, and X-ray Crystallography. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 114-31	8.3	94

182	Novel multipotent tacrine-dihydropyridine hybrids with improved acetylcholinesterase inhibitory and neuroprotective activities as potential drugs for the treatment of Alzheimer β disease. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 7607-10	8.3	93
181	Reactive Oxygen-Related Diseases: Therapeutic Targets and Emerging Clinical Indications. <i>Antioxidants and Redox Signaling</i> , 2015 , 23, 1171-85	8.4	89
180	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
179	Guanosine protects human neuroblastoma SH-SY5Y cells against mitochondrial oxidative stress by inducing heme oxygenase-1 via PI3K/Akt/GSK-3 β pathway. <i>Neurochemistry International</i> , 2012 , 61, 397-404	4.4	87
178	Neuroprotective and cholinergic properties of multifunctional glutamic acid derivatives for the treatment of Alzheimer β disease. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 7249-57	8.3	85
177	Q- and L-type Ca ²⁺ channels dominate the control of secretion in bovine chromaffin cells. <i>FEBS Letters</i> , 1994 , 349, 331-7	3.8	85
176	Nrf2 participates in depressive disorders through an anti-inflammatory mechanism. <i>Psychoneuroendocrinology</i> , 2013 , 38, 2010-22	5	84
175	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
174	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
173	NOX4-dependent neuronal autotoxicity and BBB breakdown explain the superior sensitivity of the brain to ischemic damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 12315-12320	11.5	77
172	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
171	Neuroprotective effect of melatonin against ischemia is partially mediated by alpha-7 nicotinic receptor modulation and HO-1 overexpression. <i>Journal of Pineal Research</i> , 2014 , 56, 204-12	10.4	71
170	Agmatine, by Improving Neuroplasticity Markers and Inducing Nrf2, Prevents Corticosterone-Induced Depressive-Like Behavior in Mice. <i>Molecular Neurobiology</i> , 2016 , 53, 3030-3045	6.2	70
169	New melatonin-N,N-dibenzyl(N-methyl)amine hybrids: potent neurogenic agents with antioxidant, cholinergic, and neuroprotective properties as innovative drugs for Alzheimer β disease. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 3773-85	8.3	70
168	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
167	Guanosine controls inflammatory pathways to afford neuroprotection of hippocampal slices under oxygen and glucose deprivation conditions. <i>Journal of Neurochemistry</i> , 2013 , 126, 437-50	6	68
166	From single drug targets to synergistic network pharmacology in ischemic stroke. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 7129-7136	11.5	67
165	Na controls hypoxic signalling by the mitochondrial respiratory chain. <i>Nature</i> , 2020 , 586, 287-291	50.4	67

164	Evidence for the involvement of L-arginine-nitric oxide-cyclic guanosine monophosphate pathway in the antidepressant-like effect of memantine in mice. <i>Behavioural Brain Research</i> , 2006 , 168, 318-22	3.4	66
163	Antioxidant, antiinflammatory and neuroprotective actions of chondroitin sulfate and proteoglycans. <i>Osteoarthritis and Cartilage</i> , 2010 , 18 Suppl 1, S24-7	6.2	65
162	ERG K ⁺ channel blockade enhances firing and epinephrine secretion in rat chromaffin cells: the missing link to LQT2-related sudden death?. <i>FASEB Journal</i> , 2003 , 17, 330-2	0.9	63
161	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
160	Neuroprotective effect of guanosine against glutamate-induced cell death in rat hippocampal slices is mediated by the phosphatidylinositol-3 kinase/Akt/ glycogen synthase kinase 3 β pathway activation and inducible nitric oxide synthase inhibition. <i>Journal of Neuroscience Research</i> , 2011 , 89, 1400-8	4.4	58
159	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
158	Novel tacrine-grafted Ugi adducts as multipotent anti-Alzheimer drugs: a synthetic renewal in tacrine-ferulic acid hybrids. <i>ChemMedChem</i> , 2015 , 10, 523-39	3.7	56
157	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
156	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
155	Mitochondrial complex I deactivation is related to superoxide production in acute hypoxia. <i>Redox Biology</i> , 2017 , 12, 1040-1051	11.3	54
154	Microglial HO-1 induction by curcumin provides antioxidant, antineuroinflammatory, and glioprotective effects. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 1690-700	5.9	54
153	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
152	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
151	An update on the pharmacology of galantamine. <i>Expert Opinion on Investigational Drugs</i> , 2007 , 16, 1987-998		53
150	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
149	Calcium channel subtypes in cat chromaffin cells. <i>Journal of Physiology</i> , 1994 , 477, 197-213	3.9	52
148	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
147	Discovery of the first dual GSK3 β inhibitor/Nrf2 inducer. A new multitarget therapeutic strategy for Alzheimer's disease. <i>Scientific Reports</i> , 2017 , 7, 45701	4.9	47

146	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
145	The mechanism of Ba(2+)-induced exocytosis from single chromaffin cells. <i>FEBS Letters</i> , 1993 , 336, 48-52,8		47
144	Deficiency in the transcription factor NRF2 worsens inflammatory parameters in a mouse model with combined tauopathy and amyloidopathy. <i>Redox Biology</i> , 2018 , 18, 173-180	11.3	46
143	Involvement of PI3K, GSK-3 β and PPAR γ in the antidepressant-like effect of folic acid in the forced swimming test in mice. <i>Journal of Psychopharmacology</i> , 2012 , 26, 714-23	4.6	46
142	Ca(2+)-activated K ⁺ channels modulate muscarinic secretion in cat chromaffin cells. <i>Journal of Physiology</i> , 1992 , 454, 213-30	3.9	45
141	Agmatine induces Nrf2 and protects against corticosterone effects in hippocampal neuronal cell line. <i>Molecular Neurobiology</i> , 2015 , 51, 1504-19	6.2	44
140	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
139	Nrf2-mediated haeme oxygenase-1 up-regulation induced by cobalt protoporphyrin has antinociceptive effects against inflammatory pain in the formalin test in mice. <i>Pain</i> , 2008 , 137, 332-339	8	44
138	Endothelium-independent relaxation by 17-alpha-estradiol of pig coronary arteries. <i>European Journal of Pharmacology</i> , 1994 , 258, 47-55	5.3	43
137	Redox-based therapeutics in neurodegenerative disease. <i>British Journal of Pharmacology</i> , 2017 , 174, 1750-1770	8.6	42
136	Synthesis and pharmacological assessment of diversely substituted pyrazolo[3,4-b]quinoline, and benzo[b]pyrazolo[4,3-g][1,8]naphthyridine derivatives. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 4676-81	6.8	42
135	N-acylaminophenothiazines: neuroprotective agents displaying multifunctional activities for a potential treatment of Alzheimer β disease. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 2224-35	6.8	42
134	Peptide gomesin triggers cell death through L-type channel calcium influx, MAPK/ERK, PKC and PI3K signaling and generation of reactive oxygen species. <i>Chemico-Biological Interactions</i> , 2010 , 186, 135-43	5	42
133	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
132	Simultaneous determination of 8 neurotransmitters and their metabolite levels in rat brain using liquid chromatography in tandem with mass spectrometry: Application to the murine Nrf2 model of depression. <i>Clinica Chimica Acta</i> , 2016 , 453, 174-81	6.2	41
131	Neurotoxicity induced by okadaic acid in the human neuroblastoma SH-SY5Y line can be differentially prevented by α and β * nicotinic stimulation. <i>Toxicological Sciences</i> , 2011 , 123, 193-205	4.4	41
130	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
129	Separation of two pathways for calcium entry into chromaffin cells. <i>British Journal of Pharmacology</i> , 1991 , 103, 1073-8	8.6	40

128	The modulation of NMDA receptors and L-arginine/nitric oxide pathway is implicated in the anti-immobility effect of creatine in the tail suspension test. <i>Amino Acids</i> , 2015 , 47, 795-811	3.5	39
127	Cholinergic and neuroprotective drugs for the treatment of Alzheimer and neuronal vascular diseases. II. Synthesis, biological assessment, and molecular modelling of new tacrine analogues from highly substituted 2-aminopyridine-3-carbonitriles. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 122-33	3.4	39
126	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
125	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
124	Relative sensitivities of chromaffin cell calcium channels to organic and inorganic calcium antagonists. <i>Neuroscience Letters</i> , 1987 , 77, 333-8	3.3	39
123	Heme-Oxygenase I and PCG-1 Regulate Mitochondrial Biogenesis via Microglial Activation of Alpha7 Nicotinic Acetylcholine Receptors Using PNU282987. <i>Antioxidants and Redox Signaling</i> , 2017 , 27, 93-105	8.4	38
122	The antinociceptive effects of AR-A014418, a selective inhibitor of glycogen synthase kinase-3 beta, in mice. <i>Journal of Pain</i> , 2011 , 12, 315-22	5.2	38
121	Depolarization preconditioning produces cytoprotection against veratridine-induced chromaffin cell death. <i>European Journal of Pharmacology</i> , 2006 , 553, 28-38	5.3	38
120	Involvement of PKA, MAPK/ERK and CaMKII, but not PKC in the acute antidepressant-like effect of memantine in mice. <i>Neuroscience Letters</i> , 2006 , 395, 93-7	3.3	38
119	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
118	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
117	Dotarizine versus flunarizine as calcium antagonists in chromaffin cells. <i>British Journal of Pharmacology</i> , 1995 , 114, 369-76	8.6	37
116	New 5-unsubstituted dihydropyridines with improved Ca _v 1.3 selectivity as potential neuroprotective agents against ischemic injury. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 4313-23	8.3	36
115	New multipotent tetracyclic tacrines with neuroprotective activity. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 8176-85	3.4	36
114	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
113	Calcium-dependent blood-brain barrier breakdown by NOX5 limits postreperfusion benefit in stroke. <i>Journal of Clinical Investigation</i> , 2019 , 129, 1772-1778	15.9	34
112	Protective effect of creatine against 6-hydroxydopamine-induced cell death in human neuroblastoma SH-SY5Y cells: Involvement of intracellular signaling pathways. <i>Neuroscience</i> , 2013 , 238, 185-94	3.9	33
111	Pharmacological doses of melatonin impede cognitive decline in tau-related Alzheimer models, once tauopathy is initiated, by restoring the autophagic flux. <i>Journal of Pineal Research</i> , 2019 , 67, e12578	10.4	32

110	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
109	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
108	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
107	Positive allosteric modulation of alpha-7 nicotinic receptors promotes cell death by inducing Ca(2+) release from the endoplasmic reticulum. <i>Journal of Neurochemistry</i> , 2015 , 133, 309-19	6	30
106	Mitochondrial Na+/Ca2+-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
105	A disease cluster-based drug repurposing of soluble guanylate cyclase activators from smooth muscle relaxation to direct neuroprotection. <i>Npj Systems Biology and Applications</i> , 2018 , 4, 8	5	29
104	The N-terminal tripeptide of insulin-like growth factor-I protects against beta-amyloid-induced somatostatin depletion by calcium and glycogen synthase kinase 3 beta modulation. <i>Journal of Neurochemistry</i> , 2009 , 109, 360-70	6	29
103	Acetylated tau inhibits chaperone-mediated autophagy and promotes tau pathology propagation in mice. <i>Nature Communications</i> , 2021 , 12, 2238	17.4	29
102	Alpha7 nicotinic receptor activation protects against oxidative stress via heme-oxygenase I induction. <i>Biochemical Pharmacology</i> , 2015 , 97, 473-481	6	28
101	Neuroprotective mechanism of the novel melatonin derivative Neu-P11 in brain ischemia related models. <i>Neuropharmacology</i> , 2015 , 99, 187-95	5.5	26
100	Both creatine and its product phosphocreatine reduce oxidative stress and afford neuroprotection in an in vitro Parkinson's model. <i>ASN Neuro</i> , 2014 , 6,	5.3	26
99	Alamethicin channel permeation by Ca2+, Mn2+ and Ni2+ in bovine chromaffin cells. <i>FEBS Letters</i> , 1991 , 283, 89-92	3.8	26
98	Saffron (<i>Crocus sativus</i>) intake provides nutritional preconditioning against myocardial ischemia-reperfusion injury in Wild Type and ApoE mice: Involvement of Nrf2 activation. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2017 , 27, 919-929	4.5	25
97	Distinct effects of omega-toxins and various groups of Ca(2+)-entry inhibitors on nicotinic acetylcholine receptor and Ca2+ channels of chromaffin cells. <i>European Journal of Pharmacology</i> , 1997 , 320, 249-57	5.3	25
96	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
95	The melatonin-N,N-dibenzyl(N-methyl)amine hybrid ITH91/IQM157 affords neuroprotection in an in vitro Alzheimer's model via hemo-oxygenase-1 induction. <i>ACS Chemical Neuroscience</i> , 2015 , 6, 288-96	5.7	24
94	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
93	Calcium signalling mediated through α and non- α nAChR stimulation is differentially regulated in bovine chromaffin cells to induce catecholamine release. <i>British Journal of Pharmacology</i> , 2011 , 162, 94-110	8.6	24

92	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
91	Melatonin protects against oxygen and glucose deprivation by decreasing extracellular glutamate and Nox-derived ROS in rat hippocampal slices. <i>NeuroToxicology</i> , 2016 , 57, 61-68	4.4	23
90	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
89	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
88	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
87	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
86	Novel multitarget ligand ITH33/IQM9.21 provides neuroprotection in in vitro and in vivo models related to brain ischemia. <i>Neuropharmacology</i> , 2013 , 67, 403-11	5.5	22
85	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
84	New melatonin-cinnamate hybrids as multi-target drugs for neurodegenerative diseases: Nrf2-induction, antioxidant effect and neuroprotection. <i>Future Medicinal Chemistry</i> , 2015 , 7, 1961-9	4.1	21
83	Neuroprotective effect of a new variant of Epo nonhematopoietic against oxidative stress. <i>Redox Biology</i> , 2018 , 14, 285-294	11.3	21
82	Chondroitin sulfate reduces cell death of rat hippocampal slices subjected to oxygen and glucose deprivation by inhibiting p38, NF κ B and iNOS. <i>Neurochemistry International</i> , 2011 , 58, 676-83	4.4	21
81	Neurotoxicity induced by dexamethasone in the human neuroblastoma SH-SY5Y cell line can be prevented by folic acid. <i>Neuroscience</i> , 2011 , 190, 346-53	3.9	21
80	Neuroprotective effect of the new thiadiazolidinone NP00111 against oxygen-glucose deprivation in rat hippocampal slices: implication of ERK1/2 and PPAR γ receptors. <i>Experimental Neurology</i> , 2008 , 212, 93-9	5.7	21
79	Chalcones as positive allosteric modulators of α 7 nicotinic acetylcholine receptors: a new target for a privileged structure. <i>European Journal of Medicinal Chemistry</i> , 2014 , 86, 724-39	6.8	20
78	Chemical and pharmacological studies on enantiomerically pure p-methoxytacripyrines, promising multi-target-directed ligands for the treatment of Alzheimer's disease. <i>ChemMedChem</i> , 2011 , 6, 1990-7	3.7	19
77	Haeme oxygenase-1 overexpression via nAChRs and the transcription factor Nrf2 has antinociceptive effects in the formalin test. <i>Pain</i> , 2009 , 146, 75-83	8	19
76	Variable, voltage-dependent, blocking effects of nitrendipine, verapamil, diltiazem, cinnarizine and cadmium on adrenomedullary secretion. <i>British Journal of Pharmacology</i> , 1989 , 96, 725-31	8.6	19
75	Subthreshold Concentrations of Melatonin and Galantamine Improves Pathological AD-Hallmarks in Hippocampal Organotypic Cultures. <i>Molecular Neurobiology</i> , 2016 , 53, 3338-3348	6.2	18

74	Drastic facilitation by alpha-latrotoxin of bovine chromaffin cell exocytosis without measurable enhancement of Ca ²⁺ entry or [Ca ²⁺] _i . <i>Journal of Physiology</i> , 1997 , 502 (Pt 3), 481-96	3.9	18
73	Synthesis and pharmacology of alkanediguaniumidinium compounds that block the neuronal nicotinic acetylcholine receptor. <i>Bioorganic and Medicinal Chemistry</i> , 1996 , 4, 1177-83	3.4	18
72	R56865 inhibits catecholamine release from bovine chromaffin cells by blocking calcium channels. <i>British Journal of Pharmacology</i> , 1993 , 110, 1149-55	8.6	18
71	Different sensitivities to dihydropyridines of catecholamine release from cat and ox adrenals. <i>NeuroReport</i> , 1990 , 1, 119-22	1.7	18
70	Protective role of microglial HO-1 blockade in aging: Implication of iron metabolism. <i>Redox Biology</i> , 2021 , 38, 101789	11.3	18
69	Enzymatic and solid-phase synthesis of new donepezil-based L- and d-glutamic acid derivatives and their pharmacological evaluation in models related to Alzheimer's disease and cerebral ischemia. <i>European Journal of Medicinal Chemistry</i> , 2017 , 130, 60-72	6.8	17
68	NOS knockout or inhibition but not disrupting PSD-95-NOS interaction protect against ischemic brain damage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 1508-12	7.3	17
67	Inhibition of calpain-regulated p35/cdk5 plays a central role in sildenafil-induced protection against chemical hypoxia produced by malonate. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 705-17	6.9	17
66	(+)-PN200-110 and ouabain binding sites in purified bovine adrenomedullary plasma membranes and chromaffin cells. <i>Journal of Neurochemistry</i> , 1989 , 53, 1442-9	6	17
65	PP2A ligand ITH12246 protects against memory impairment and focal cerebral ischemia in mice. <i>ACS Chemical Neuroscience</i> , 2013 , 4, 1267-77	5.7	16
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