Manuela G. Lpez

List of Publications by Year in Descending Order

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	Implication of type 4 NADPH oxidase (NOX4) in tauopathy.. *Redox Biology*, **2021**, 49, 102210	11.3	0
198	Intracellular calcium and inflammatory markers, mediated by purinergic stimulation, are differentially regulated in monocytes of patients with major depressive disorder. *Neuroscience Letters*, **2021**, 765, 136275	3.3	0
197	Acetylated tau inhibits chaperone-mediated autophagy and promotes tau pathology propagation in mice. *Nature Communications*, **2021**, 12, 2238	17.4	29
196	Central Activation of Alpha7 Nicotinic Signaling Attenuates LPS-Induced Neuroinflammation and Sickness Behavior in Adult but Not in Aged Animals. *Molecules*, **2021**, 26,	4.8	2
195	Protective role of microglial HO-1 blockade in aging: Implication of iron metabolism. *Redox Biology*, **2021**, 38, 101789	11.3	18
194	Molecular and Pharmacological Modulation of CALHM1 Promote Neuroprotection against Oxygen and Glucose Deprivation in a Model of Hippocampal Slices. *Cells*, **2020**, 9,	7.9	8
193	Tuning melatonin receptor subtype selectivity in oxadiazolone-based analogues: Discovery of QR2 ligands and NRF2 activators with neurogenic properties. *European Journal of Medicinal Chemistry*, **2020**, 190, 112090	6.8	7
192	Melatonin-sulforaphane hybrid ITH12674 attenuates glial response in vivo by blocking LPS binding to MD2 and receptor oligomerization. *Pharmacological Research*, **2020**, 152, 104597	10.2	10
191	Cognitive enhancement, TAU phosphorylation reduction, and neuronal protection by the treatment of an LRRK2 inhibitor in a tauopathy mouse model. *Neurobiology of Aging*, **2020**, 96, 148-154	5.6	3
190	Antioxidant, Anti-inflammatory and Neuroprotective Profiles of Novel 1,4-Dihydropyridine Derivatives for the Treatment of Alzheimer Disease. *Antioxidants*, **2020**, 9,	7.1	2
189	Na controls hypoxic signalling by the mitochondrial respiratory chain. *Nature*, **2020**, 586, 287-291	50.4	67
188	Aging and Progression of Beta-Amyloid Pathology in Alzheimer Disease Correlates with Microglial Heme-Oxygenase-1 Overexpression. *Antioxidants*, **2020**, 9,	7.1	7
187	From single drug targets to synergistic network pharmacology in ischemic stroke. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 7129-7136	11.5	67
186	Neuroprotective effects of EpoL against oxidative stress induced by soluble oligomers of A peptide. *Redox Biology*, **2019**, 24, 101187	11.3	10
185	Improvement in inflammation is associated with the protective effect of Gly-Pro-Glu and cycloprolylglycine against A-induced depletion of the hippocampal somatostatinergic system. *Neuropharmacology*, **2019**, 151, 112-126	5.5	6
184	Pharmacological doses of melatonin impede cognitive decline in tau-related Alzheimer models, once tauopathy is initiated, by restoring the autophagic flux. *Journal of Pineal Research*, **2019**, 67, e12578	10.4	32
183	1-(2,5Dihydroxyphenyl)-3-(2-fluoro-4-hydroxyphenyl)-1-propanone (RGM079): A Positive Allosteric Modulator of Nicotinic Receptors with Analgesic and Neuroprotective Activity. *ACS Chemical Neuroscience*, **2019**, 10, 3900-3909	5.7	7

182	Neuroprotective activity of isoquinoline alkaloids from of Chilean Amaryllidaceae plants against oxidative stress-induced cytotoxicity on human neuroblastoma SH-SY5Y cells and mouse hippocampal slice culture. *Food and Chemical Toxicology*, **2019**, 132, 110665	4.7	9
181	Protective Effects of Ursolic Acid Against Cytotoxicity Induced by Corticosterone: Role of Protein Kinases. *Neurochemical Research*, **2019**, 44, 2843	4.6	7
180	Calcium-dependent blood-brain barrier breakdown by NOX5 limits postreperfusion benefit in stroke. *Journal of Clinical Investigation*, **2019**, 129, 1772-1778	15.9	34
179	Transcription Factor NRF2 as a Therapeutic Target for Chronic Diseases: A Systems Medicine Approach. *Pharmacological Reviews*, **2018**, 70, 348-383	22.5	271
178	A diseasome cluster-based drug repurposing of soluble guanylate cyclase activators from smooth muscle relaxation to direct neuroprotection. *Npj Systems Biology and Applications*, **2018**, 4, 8	5	29
177	The APPswe/PS1A246E mutations in an astrocytic cell line leads to increased vulnerability to oxygen and glucose deprivation, Ca dysregulation, and mitochondrial abnormalities. *Journal of Neurochemistry*, **2018**, 145, 170-182	6	2
176	Folic Acid Protects Against Glutamate-Induced Excitotoxicity in Hippocampal Slices Through a Mechanism that Implicates Inhibition of GSK-3□and iNOS. *Molecular Neurobiology*, **2018**, 55, 1580-1589	6.2	8
175	Neuroprotective effect of a new variant of Epo nonhematopoietic against oxidative stress. *Redox Biology*, **2018**, 14, 285-294	11.3	21
174	Chromaffin cells as a model to evaluate mechanisms of cell death and neuroprotective compounds. *Pflugers Archiv European Journal of Physiology*, **2018**, 470, 187-198	4.6	7
173	Deficiency in the transcription factor NRF2 worsens inflammatory parameters in a mouse model with combined tauopathy and amyloidopathy. *Redox Biology*, **2018**, 18, 173-180	11.3	46
172	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. *European Journal of Medicinal Chemistry*, **2017**, 130, 60-72	6.8	17
171	Mitochondrial complex I deactivation is related to superoxide production in acute hypoxia. *Redox Biology*, **2017**, 12, 1040-1051	11.3	54
170	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). *Redox Biology*, **2017**, 13, 94-162	11.3	185
169	Discovery of the first dual GSK3□inhibitor/Nrf2 inducer. A new multitarget therapeutic strategy for Alzheimer□s disease. *Scientific Reports*, **2017**, 7, 45701	4.9	47
168	Novel sulfoglycolipid IG20 causes neuroprotection by activating the phase II antioxidant response in rat hippocampal slices. *Neuropharmacology*, **2017**, 116, 110-121	5.5	1
167	NOX4-dependent neuronal autotoxicity and BBB breakdown explain the superior sensitivity of the brain to ischemic damage. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 12315-12320	11.5	77
166	Saffron (Crocus sativus) intake provides nutritional preconditioning against myocardial ischemia-reperfusion injury in Wild Type and ApoE mice: Involvement of Nrf2 activation. *Nutrition, Metabolism and Cardiovascular Diseases*, **2017**, 27, 919-929	4.5	25
165	ConBr, A Lectin Purified from the Seeds of Canavalia brasiliensis, Protects Against Ischemia in Organotypic Culture of Rat Hippocampus: Potential Implication of Voltage-Gated Calcium Channels. *Neurochemical Research*, **2017**, 42, 347-359	4.6	2

164	Redox-based therapeutics in neurodegenerative disease. *British Journal of Pharmacology*, **2017**, 174, 1750-1770	8.6	42
163	Heme-Oxygenase I and PCG-1α Regulate Mitochondrial Biogenesis via Microglial Activation of Alpha7 Nicotinic Acetylcholine Receptors Using PNU282987. *Antioxidants and Redox Signaling*, **2017**, 27, 93-105	8.4	38
162	ITH14001, a CGP37157-Nimodipine Hybrid Designed to Regulate Calcium Homeostasis and Oxidative Stress, Exerts Neuroprotection in Cerebral Ischemia. *ACS Chemical Neuroscience*, **2017**, 8, 67-81	5.7	15
161	Subthreshold Concentrations of Melatonin and Galantamine Improves Pathological AD-Hallmarks in Hippocampal Organotypic Cultures. *Molecular Neurobiology*, **2016**, 53, 3338-3348	6.2	18
160	Agmatine, by Improving Neuroplasticity Markers and Inducing Nrf2, Prevents Corticosterone-Induced Depressive-Like Behavior in Mice. *Molecular Neurobiology*, **2016**, 53, 3030-3045	6.2	70
159	Melatonin protects against oxygen and glucose deprivation by decreasing extracellular glutamate and Nox-derived ROS in rat hippocampal slices. *NeuroToxicology*, **2016**, 57, 61-68	4.4	23
158	NOS knockout or inhibition but not disrupting PSD-95-NOS interaction protect against ischemic brain damage. *Journal of Cerebral Blood Flow and Metabolism*, **2016**, 36, 1508-12	7.3	17
157	Novel Tacrine-Benzofuran Hybrids as Potent Multitarget-Directed Ligands for the Treatment of Alzheimer's Disease: Design, Synthesis, Biological Evaluation, and X-ray Crystallography. *Journal of Medicinal Chemistry*, **2016**, 59, 114-31	8.3	94
156	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. *Clinica Chimica Acta*, **2016**, 453, 174-81	6.2	41
155	Data supporting the rat brain sample preparation and validation assays for simultaneous determination of 8 neurotransmitters and their metabolites using liquid chromatography-tandem mass spectrometry. *Data in Brief*, **2016**, 7, 714-20	1.2	7
154	Alpha7 nicotinic receptor activation protects against oxidative stress via heme-oxygenase I induction. *Biochemical Pharmacology*, **2015**, 97, 473-481	6	28
153	Neuroprotective mechanism of the novel melatonin derivative Neu-P11 in brain ischemia related models. *Neuropharmacology*, **2015**, 99, 187-95	5.5	26
152	New melatonin-cinnamate hybrids as multi-target drugs for neurodegenerative diseases: Nrf2-induction, antioxidant effect and neuroprotection. *Future Medicinal Chemistry*, **2015**, 7, 1961-9	4.1	21
151	Anti-inflammatory role of microglial alpha7 nAChRs and its role in neuroprotection. *Biochemical Pharmacology*, **2015**, 97, 463-472	6	176
150	Melatonin-sulforaphane hybrid ITH12674 induces neuroprotection in oxidative stress conditions by a "drug-prodrug" mechanism of action. *British Journal of Pharmacology*, **2015**, 172, 1807-21	8.6	32
149	Positive allosteric modulation of alpha-7 nicotinic receptors promotes cell death by inducing Ca(2+) release from the endoplasmic reticulum. *Journal of Neurochemistry*, **2015**, 133, 309-19	6	30
148	Reactive Oxygen-Related Diseases: Therapeutic Targets and Emerging Clinical Indications. *Antioxidants and Redox Signaling*, **2015**, 23, 1171-85	8.4	89
147	Novel tacrine-grafted Ugi adducts as multipotent anti-Alzheimer drugs: a synthetic renewal in tacrine-ferulic acid hybrids. *ChemMedChem*, **2015**, 10, 523-39	3.7	56

146	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. *ACS Chemical Neuroscience*, **2015**, 6, 288-96	5.7	24
145	Agmatine induces Nrf2 and protects against corticosterone effects in hippocampal neuronal cell line. *Molecular Neurobiology*, **2015**, 51, 1504-19	6.2	44
144	Importance of microglial α7 nicotinic receptors in neuroprotection: The central cholinergic anti-inflammatory pathway. *Biochemical Pharmacology*, **2015**, 97, 625	6	
143	CALHM1 and its polymorphism P86L differentially control Ca2+homeostasis, mitogen-activated protein kinase signaling, and cell vulnerability upon exposure to amyloid β. *Aging Cell*, **2015**, 14, 1094-102	9.9	10
142	Microglial HO-1 induction by curcumin provides antioxidant, antineuroinflammatory, and glioprotective effects. *Molecular Nutrition and Food Research*, **2015**, 59, 1690-700	5.9	54
141	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. *Amino Acids*, **2015**, 47, 795-811	3.5	39
140	Development of HuperTacrines as non-toxic, cholinesterase inhibitors for the potential treatment of Alzheimer's disease. *Mini-Reviews in Medicinal Chemistry*, **2015**, 15, 648-58	3.2	12
139	Redox control of microglial function: molecular mechanisms and functional significance. *Antioxidants and Redox Signaling*, **2014**, 21, 1766-801	8.4	198
138	Neuroprotective effect of dimebon against ischemic neuronal damage. *Neuroscience*, **2014**, 267, 11-21	3.9	9
137	New 5-unsubstituted dihydropyridines with improved CaV1.3 selectivity as potential neuroprotective agents against ischemic injury. *Journal of Medicinal Chemistry*, **2014**, 57, 4313-23	8.3	36
136	Chalcones as positive allosteric modulators of α7 nicotinic acetylcholine receptors: a new target for a privileged structure. *European Journal of Medicinal Chemistry*, **2014**, 86, 724-39	6.8	20
135	ITH12410/SC058: a new neuroprotective compound with potential in the treatment of Alzheimer's disease. *ACS Chemical Neuroscience*, **2014**, 5, 770-5	5.7	9
134	New melatonin-N,N-dibenzyl(N-methyl)amine hybrids: potent neurogenic agents with antioxidant, cholinergic, and neuroprotective properties as innovative drugs for Alzheimer's disease. *Journal of Medicinal Chemistry*, **2014**, 57, 3773-85	8.3	70
133	Small synthetic hyaluronan disaccharides afford neuroprotection in brain ischemia-related models. *Neuroscience*, **2014**, 265, 313-22	3.9	2
132	Neuroprotective effect of melatonin against ischemia is partially mediated by alpha-7 nicotinic receptor modulation and HO-1 overexpression. *Journal of Pineal Research*, **2014**, 56, 204-12	10.4	71
131	Both creatine and its product phosphocreatine reduce oxidative stress and afford neuroprotection in an in vitro Parkinson's model. *ASN Neuro*, **2014**, 6,	5.3	26
130	Isoxazolotacrines as non-toxic and selective butyrylcholinesterase inhibitors for Alzheimer's disease. *Future Medicinal Chemistry*, **2014**, 6, 1883-91	4.1	9
129	Dibenzo[1,4,5]thiadiazepine: a hardly-known heterocyclic system with neuroprotective properties of potential usefulness in the treatment of neurodegenerative diseases. *European Journal of Medicinal Chemistry*, **2014**, 81, 350-8	6.8	11

128	Lectin from Canavalia brasiliensis (ConBr) protects hippocampal slices against glutamate neurotoxicity in a manner dependent of PI3K/Akt pathway. *Neurochemistry International*, **2013**, 62, 836-42	4.4	14
127	The thioredoxin system as a therapeutic target in human health and disease. *Antioxidants and Redox Signaling*, **2013**, 19, 1266-303	8.4	205
126	The microglial 7-acetylcholine nicotinic receptor is a key element in promoting neuroprotection by inducing heme oxygenase-1 via nuclear factor erythroid-2-related factor 2. *Antioxidants and Redox Signaling*, **2013**, 19, 1135-48	8.4	132
125	Novel multitarget ligand ITH33/IQM9.21 provides neuroprotection in in vitro and in vivo models related to brain ischemia. *Neuropharmacology*, **2013**, 67, 403-11	5.5	22
124	Protective effect of creatine against 6-hydroxydopamine-induced cell death in human neuroblastoma SH-SY5Y cells: Involvement of intracellular signaling pathways. *Neuroscience*, **2013**, 238, 185-94	3.9	33
123	PP2A ligand ITH12246 protects against memory impairment and focal cerebral ischemia in mice. *ACS Chemical Neuroscience*, **2013**, 4, 1267-77	5.7	16
122	Guanosine controls inflammatory pathways to afford neuroprotection of hippocampal slices under oxygen and glucose deprivation conditions. *Journal of Neurochemistry*, **2013**, 126, 437-50	6	68
121	Nrf2 participates in depressive disorders through an anti-inflammatory mechanism. *Psychoneuroendocrinology*, **2013**, 38, 2010-22	5	84
120	Inhibition of calpain-regulated p35/cdk5 plays a central role in sildenafil-induced protection against chemical hypoxia produced by malonate. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2013**, 1832, 705-17	6.9	17
119	Enantioselective neuroprotective effects of Tacripyrine ITH122 against oxygen and glucose deprivation in rat hippocampal slices. *CNS Neuroscience and Therapeutics*, **2013**, 19, 285-7	6.8	3
118	Participation of calbindin-D28K in nociception: results from calbindin-D28K knockout mice. *Pflugers Archiv European Journal of Physiology*, **2012**, 463, 449-58	4.6	7
117	Galantamine elicits neuroprotection by inhibiting iNOS, NADPH oxidase and ROS in hippocampal slices stressed with anoxia/reoxygenation. *Neuropharmacology*, **2012**, 62, 1082-90	5.5	40
116	Guanosine protects human neuroblastoma SH-SY5Y cells against mitochondrial oxidative stress by inducing heme oxigenase-1 via PI3K/Akt/GSK-3 pathway. *Neurochemistry International*, **2012**, 61, 397-404	4.4	87
115	Benzothiazepine CGP37157 and its isosteric 2Pmethyl analogue provide neuroprotection and block cell calcium entry. *ACS Chemical Neuroscience*, **2012**, 3, 519-29	5.7	24
114	Involvement of PI3K, GSK-3 and PPAR in the antidepressant-like effect of folic acid in the forced swimming test in mice. *Journal of Psychopharmacology*, **2012**, 26, 714-23	4.6	46
113	Chondroitin sulfate reduces cell death of rat hippocampal slices subjected to oxygen and glucose deprivation by inhibiting p38, NFB and iNOS. *Neurochemistry International*, **2011**, 58, 676-83	4.4	21
112	Neurotoxicity induced by dexamethasone in the human neuroblastoma SH-SY5Y cell line can be prevented by folic acid. *Neuroscience*, **2011**, 190, 346-53	3.9	21
111	The antinociceptive effects of AR-A014418, a selective inhibitor of glycogen synthase kinase-3 beta, in mice. *Journal of Pain*, **2011**, 12, 315-22	5.2	38

110	Calcium signalling mediated through α7 and non-α7 nAChR stimulation is differentially regulated in bovine chromaffin cells to induce catecholamine release. *British Journal of Pharmacology*, **2011**, 162, 94-110	8.6	24
109	Synthesis and pharmacological assessment of diversely substituted pyrazolo[3,4-b]quinoline, and benzo[b]pyrazolo[4,3-g][1,8]naphthyridine derivatives. *European Journal of Medicinal Chemistry*, **2011**, 46, 4676-81	6.8	42
108	N-acylaminophenothiazines: neuroprotective agents displaying multifunctional activities for a potential treatment of Alzheimer's disease. *European Journal of Medicinal Chemistry*, **2011**, 46, 2224-35	6.8	42
107	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. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 122-33	3.4	39
106	Neuroprotective effect of guanosine against glutamate-induced cell death in rat hippocampal slices is mediated by the phosphatidylinositol-3 kinase/Akt/ glycogen synthase kinase 3β pathway activation and inducible nitric oxide synthase inhibition. *Journal of Neuroscience Research*, **2011**, 89, 1400-8	4.4	58
105	Chemical and pharmacological studies on enantiomerically pure p-methoxytacripyrines, promising multi-target-directed ligands for the treatment of Alzheimer's disease. *ChemMedChem*, **2011**, 6, 1990-7	3.7	19
104	Neurotoxicity induced by okadaic acid in the human neuroblastoma SH-SY5Y line can be differentially prevented by α7 and α2* nicotinic stimulation. *Toxicological Sciences*, **2011**, 123, 193-205	4.4	41
103	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, 141-8	10.4	55
102	Synthesis, inhibitory activity of cholinesterases, and neuroprotective profile of novel 1,8-naphthyridine derivatives. *Journal of Medicinal Chemistry*, **2010**, 53, 5129-43	8.3	58
101	Novel tacrine-8-hydroxyquinoline hybrids as multifunctional agents for the treatment of Alzheimer's disease, with neuroprotective, cholinergic, antioxidant, and copper-complexing properties. *Journal of Medicinal Chemistry*, **2010**, 53, 4927-37	8.3	218
100	Mitochondrial Na+/Ca2+ exchanger, a new target for neuroprotection in rat hippocampal slices. *Biochemical and Biophysical Research Communications*, **2010**, 400, 140-4	3.4	23
99	Chondroitin sulfate inhibits lipopolysaccharide-induced inflammation in rat astrocytes by preventing nuclear factor kappa B activation. *Neuroscience*, **2010**, 167, 872-9	3.9	32
98	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, 5861-72	3.4	44
97	Antioxidant, antiinflammatory and neuroprotective actions of chondroitin sulfate and proteoglycans. *Osteoarthritis and Cartilage*, **2010**, 18 Suppl 1, S24-7	6.2	65
96	Peptide gomesin triggers cell death through L-type channel calcium influx, MAPK/ERK, PKC and PI3K signaling and generation of reactive oxygen species. *Chemico-Biological Interactions*, **2010**, 186, 135-43	5	42
95	Poststress treatment with PNU282987 can rescue SH-SY5Y cells undergoing apoptosis via α7 nicotinic receptors linked to a Jak2/Akt/HO-1 signaling pathway. *Free Radical Biology and Medicine*, **2010**, 49, 1815-21	7.8	62
94	Old phenothiazine and dibenzothiadiazepine derivatives for tomorrow's neuroprotective therapies against neurodegenerative diseases. *European Journal of Medicinal Chemistry*, **2010**, 45, 6152-8	6.8	39
93	Mitochondrial Na+/Ca2+-exchanger blocker CGP37157 protects against chromaffin cell death elicited by veratridine. *Journal of Pharmacology and Experimental Therapeutics*, **2009**, 330, 844-54	4.7	30

92	Haeme oxygenase-1 overexpression via nAChRs and the transcription factor Nrf2 has antinociceptive effects in the formalin test. *Pain*, **2009**, 146, 75-83	8	19
91	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, 128-37	3.7	35
90	NP04634 prevents cell damage caused by calcium overload and mitochondrial disruption in bovine chromaffin cells. *European Journal of Pharmacology*, **2009**, 607, 47-53	5.3	9
89	Tacrine-melatonin hybrids as multifunctional agents for Alzheimer's disease, with cholinergic, antioxidant, and neuroprotective properties. *ChemMedChem*, **2009**, 4, 828-41	3.7	132
88	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. *Journal of Neurochemistry*, **2009**, 109, 360-70	6	29
87	Tacripyrines, the first tacrine-dihydropyridine hybrids, as multitarget-directed ligands for the treatment of Alzheimer's disease. *Journal of Medicinal Chemistry*, **2009**, 52, 2724-32	8.3	119
86	Neuroprotective and cholinergic properties of multifunctional glutamic acid derivatives for the treatment of Alzheimer's disease. *Journal of Medicinal Chemistry*, **2009**, 52, 7249-57	8.3	85
85	Bcl2 mitigates Ca2+ entry and mitochondrial Ca2+ overload through downregulation of L-type Ca2+ channels in PC12 cells. *Cell Calcium*, **2008**, 44, 339-52	4	23
84	Functional interference between glycogen synthase kinase-3 beta and the transcription factor Nrf2 in protection against kainate-induced hippocampal cell death. *Molecular and Cellular Neurosciences*, **2008**, 39, 125-32	4.8	102
83	Nrf2-mediated haeme oxygenase-1 up-regulation induced by cobalt protoporphyrin has antinociceptive effects against inflammatory pain in the formalin test in mice. *Pain*, **2008**, 137, 332-339	8	44
82	Antidepressant-like effect of the novel thiadiazolidinone NP031115 in mice. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2008**, 32, 1549-56	5.5	105
81	Neuroprotective effect of the new thiadiazolidinone NP00111 against oxygen-glucose deprivation in rat hippocampal slices: implication of ERK1/2 and PPARgamma receptors. *Experimental Neurology*, **2008**, 212, 93-9	5.7	21
80	Synthesis of 6-amino-1,4-dihydropyridines that prevent calcium overload and neuronal death. *European Journal of Medicinal Chemistry*, **2008**, 43, 668-74	6.8	32
79	New tacrine-dihydropyridine hybrids that inhibit acetylcholinesterase, calcium entry, and exhibit neuroprotection properties. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 7759-69	3.4	69
78	Nicotinic receptor activation by epibatidine induces heme oxygenase-1 and protects chromaffin cells against oxidative stress. *Journal of Neurochemistry*, **2007**, 102, 1842-1852	6	54
77	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, 946-53	4.7	79
76	Galantamine postischemia provides neuroprotection and memory recovery against transient global cerebral ischemia in gerbils. *Journal of Pharmacology and Experimental Therapeutics*, **2007**, 322, 591-9	4.7	47
75	Neuroprotection afforded by nicotine against oxygen and glucose deprivation in hippocampal slices is lost in alpha7 nicotinic receptor knockout mice. *Neuroscience*, **2007**, 145, 866-72	3.9	73

74	An update on the pharmacology of galantamine. *Expert Opinion on Investigational Drugs*, **2007**, 16, 1987-98	3.9	53
73	Blockade of Ca2+ -activated K+ channels by galantamine can also contribute to the potentiation of catecholamine secretion from chromaffin cells. *European Journal of Pharmacology*, **2006**, 548, 45-52	5.3	6
72	Depolarization preconditioning produces cytoprotection against veratridine-induced chromaffin cell death. *European Journal of Pharmacology*, **2006**, 553, 28-38	5.3	38
71	Novel multipotent tacrine-dihydropyridine hybrids with improved acetylcholinesterase inhibitory and neuroprotective activities as potential drugs for the treatment of Alzheimer□ disease. *Journal of Medicinal Chemistry*, **2006**, 49, 7607-10	8.3	93
70	Evidence for the involvement of L-arginine-nitric oxide-cyclic guanosine monophosphate pathway in the antidepressant-like effect of memantine in mice. *Behavioural Brain Research*, **2006**, 168, 318-22	3.4	66
69	Involvement of PKA, MAPK/ERK and CaMKII, but not PKC in the acute antidepressant-like effect of memantine in mice. *Neuroscience Letters*, **2006**, 395, 93-7	3.3	38
68	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, 1464-9	6.8	38
67	New multipotent tetracyclic tacrines with neuroprotective activity. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 8176-85	3.4	36
66	Can cholinesterase inhibitors provide additional effects to cholinergic neurotransmission enhancement?. *Journal of Molecular Neuroscience*, **2006**, 30, 141-4	3.3	1
65	Desensitized nicotinic receptors that, however, afford cytoprotection in bovine chromaffin cells. *Journal of Molecular Neuroscience*, **2006**, 30, 59-60	3.3	2
64	Neuroprotection by nicotine in hippocampal slices subjected to oxygen-glucose deprivation: involvement of the alpha7 nAChR subtype. *Journal of Molecular Neuroscience*, **2006**, 30, 61-2	3.3	22
63	Preclinical profile of PF9404C, a nitric oxide donor with beta receptor blocking properties. *Cardiovascular Drug Reviews*, **2005**, 23, 149-60		4
62	Depolarization evokes different patterns of calcium signals and exocytosis in bovine and mouse chromaffin cells: the role of mitochondria. *European Journal of Neuroscience*, **2005**, 21, 142-50	3.5	15
61	Measurement of Ca□+ entry using □a□+. *Methods in Molecular Biology*, **2005**, 312, 135-45	1.4	
60	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, 1346-53	4.7	140
59	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. *Journal of Pharmacology and Experimental Therapeutics*, **2004**, 310, 987-94	4.7	25
58	Differences in the vascular selectivity and tolerance between the NO donor/beta-blocker PF9404C and nitroglycerin. *European Journal of Pharmacology*, **2004**, 498, 203-10	5.3	2
57	Galantamine prevents apoptosis induced by beta-amyloid and thapsigargin: involvement of nicotinic acetylcholine receptors. *Neuropharmacology*, **2004**, 46, 103-14	5.5	123

56	Galantamine and memantine produce different degrees of neuroprotection in rat hippocampal slices subjected to oxygen-glucose deprivation. *Neuroscience Letters*, **2004**, 365, 132-6	3.3	52
55	Combined nimodipine and citicoline reduce infarct size, attenuate apoptosis and increase bcl-2 expression after focal cerebral ischemia. *Neuroscience*, **2003**, 118, 107-13	3.9	82
54	ERG K+ channel blockade enhances firing and epinephrine secretion in rat chromaffin cells: the missing link to LQT2-related sudden death?. *FASEB Journal*, **2003**, 17, 330-2	0.9	63
53	Contribution of calcium entry through L-type calcium channels to chromaffin cell death. *Annals of the New York Academy of Sciences*, **2002**, 971, 171-3	6.5	1
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51	Mechanisms of blockade by the novel migraine prophylactic agent, dotarizine, of various brain and peripheral vessel contractility. *European Journal of Pharmacology*, **2001**, 411, 289-99	5.3	8
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2	Calcium-dependent reactive oxygen formation and blood-brain barrier breakdown by NOX5 limits post-reperfusion outcome in stroke	1
1	Mitochondrial Na+ controls oxidative phosphorylation and hypoxic redox signalling	3