JoÃ£o O Malva

List of Publications by Year
in descending order

91 papers	4,701 citations	66315 42 h-index	102432 66 g-index
91 all docs	91 docs citations	91 times ranked	6307 citing authors

#	Article	IF	Citations
1	Phytochemical and antioxidant characterization of Hypericum perforatum alcoholic extracts. Food Chemistry, 2005, 90, 157-167.	4.2	279
2	Modulator Effects of Interleukin-1Â and Tumor Necrosis Factor-Â on AMPA-Induced Excitotoxicity in Mouse Organotypic Hippocampal Slice Cultures. Journal of Neuroscience, 2005, 25, 6734-6744.	1.7	204
3	Tumor Necrosis Factor-Î± Modulates Survival, Proliferation, and Neuronal Differentiation in Neonatal Subventricular Zone Cell Cultures. Stem Cells, 2008, 26, 2361-2371.	1.4	198
4	Subcellular localization of adenosine A1 receptors in nerve terminals and synapses of the rat hippocampus. Brain Research, 2003, 987, 49-58.	1.1	149
5	Long-term effects of an acute and systemic administration of LPS on adult neurogenesis and spatial memory. Frontiers in Neuroscience, 2014, 8, 83.	1.4	146
6	GluR7 is an essential subunit of presynaptic kainate autoreceptors at hippocampal mossy fiber synapses. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12181-12186.	3.3	127
7	Methamphetamineâ€induced neuroinflammation and neuronal dysfunction in the mice hippocampus: preventive effect of indomethacin. European Journal of Neuroscience, 2010, 31, 315-326.	1.2	125
8	Brain-Derived Neurotrophic Factor Promotes Vasculature-Associated Migration of Neuronal Precursors toward the Ischemic Striatum. PLoS ONE, 2013, 8, e55039.	1.1	123
9	Methamphetamineâ€induced Early Increase of ILâ€6 and TNFâ€Î± mRNA Expression in the Mouse Brain. Annals of the New York Academy of Sciences, 2008, 1139, 103-111.	1.8	106
10	Multifaces of neuropeptide Y in the brain â€“ Neuroprotection, neurogenesis and neuroinflammation. Neuropeptides, 2012, 46, 299-308.	0.9	103
11	Neuropeptide Y Modulation of Interleukin-1Î² (IL-1Î²)-induced Nitric Oxide Production in Microglia. Journal of Biological Chemistry, 2010, 285, 41921-41934.	1.6	101
12	What Do Microglia Really Do in Healthy Adult Brain?. Cells, 2019, 8, 1293.	1.8	91
13	Activation of neuropeptide Y receptors is neuroprotective against excitotoxicity in organotypic hippocampal slice cultures. FASEB Journal, 2003, 17, 1118-1120.	0.2	90
14	Neuropeptide Y Promotes Neurogenesis in Murine Subventricular Zone. Stem Cells, 2008, 26, 1636-1645.	1.4	88
15	Controlling the Neuronal Differentiation of Stem Cells by the Intracellular Delivery of Retinoic Acid-Loaded Nanoparticles. ACS Nano, 2011, 5, 97-106.	7.3	87
16	Quercetin, kaempferol and biapigenin fromhypericum perforatum are neuroprotective against excitotoxic insults. Neurotoxicity Research, 2008, 13, 265-279.	1.3	86
17	St. Johnâ€™s Wort (Hypericum perforatum) extracts and isolated phenolic compounds are effective antioxidants in several in vitro models of oxidative stress. Food Chemistry, 2008, 110, 611-619.	4.2	85
18	Polymeric Nanoparticles to Control the Differentiation of Neural Stem Cells in the Subventricular Zone of the Brain. ACS Nano, 2012, 6, 10463-10474.	7.3	85

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19	Carbamazepine inhibits L-type Ca2+ channels in cultured rat hippocampal neurons stimulated with glutamate receptor agonists. Neuropharmacology, 1999, 38, 1349-1359.	2.0	79
20	Inflammatory events in hippocampal slice cultures prime neuronal susceptibility to excitotoxic injury: a crucial role of P2X‹sub›7‹/sub› receptorâ€mediated ILâ€1Î² release. Journal of Neurochemistry, 2008, 106, 271-280.	2.1	78
21	Neuropeptide Y inhibits interleukin-1Î²-induced phagocytosis by microglial cells. Journal of Neuroinflammation, 2011, 8, 169.	3.1	74
22	Functional interaction between neuropeptide Y receptors and modulation of calcium channels in the rat hippocampus. Neuropharmacology, 2003, 44, 282-292.	2.0	71
23	Modulation of intracellular calcium changes and glutamate release by neuropeptide Y1 and Y2 receptors in the rat hippocampus: differential effects in CA1, CA3 and dentate gyrus. Journal of Neurochemistry, 2008, 79, 286-296.	2.1	67
24	Activation of Type 1 Cannabinoid Receptor (CB1R) Promotes Neurogenesis in Murine Subventricular Zone Cell Cultures. PLoS ONE, 2013, 8, e63529.	1.1	67
25	Neuropeptide Y as an Endogenous Antiepileptic, Neuroprotective and Pro-Neurogenic Peptide. Recent Patents on CNS Drug Discovery, 2006, 1, 315-324.	0.9	65
26	Inhibition of N-, P/Q- and other types of Ca2+ channels in rat hippocampal nerve terminals by the adenosine A1 receptor. European Journal of Pharmacology, 1997, 340, 301-310.	1.7	64
27	Neuroprotective properties ofValeriana officinalis extracts. Neurotoxicity Research, 2004, 6, 131-140.	1.3	64
28	Neuropeptide Y inhibits interleukinâ€1 betaâ€induced microglia motility. Journal of Neurochemistry, 2012, 120, 93-105.	2.1	63
29	Role of desensitization of AMPA receptors on the neuronal viability and on the [Ca2+]ichanges in cultured rat hippocampal neurons. European Journal of Neuroscience, 2000, 12, 2021-2031.	1.2	62
30	The Angiogenic Factor Angiopoietin-1 Is a Proneurogenic Peptide on Subventricular Zone Stem/Progenitor Cells. Journal of Neuroscience, 2010, 30, 4573-4584.	1.7	62
31	Neuroprotective effect ofH. perforatum extracts on Î²-amyloid-induced neurotoxicity. Neurotoxicity Research, 2004, 6, 119-130.	1.3	57
32	Pertussis toxin prevents presynaptic inhibition by kainate receptors of rat hippocampal [3 H]GABA release. FEBS Letters, 2000, 469, 159-162.	1.3	53
33	Adult Hippocampal Neurogenesis in Different Taxonomic Groups: Possible Functional Similarities and Striking Controversies. Cells, 2019, 8, 125.	1.8	49
34	Kainate receptors in hippocampal CA3 subregion: evidence for a role in regulating neurotransmitter release. Neurochemistry International, 1998, 32, 1-6.	1.9	48
35	Oligodendrogenesis from neural stem cells: Perspectives for remyelinating strategies. International Journal of Developmental Neuroscience, 2013, 31, 692-700.	0.7	48
36	Histamine Stimulates Neurogenesis in the Rodent Subventricular Zone. Stem Cells, 2012, 30, 773-784.	1.4	46

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37	Effect of Hypoproteic and High-Fat Diets on Hippocampal Blood-Brain Barrier Permeability and Oxidative Stress. Frontiers in Nutrition, 2018, 5, 131.	1.6	46
38	Neurotoxic/neuroprotective profile of carbamazepine, oxcarbazepine and two new putative antiepileptic drugs, BIA 2-093 and BIA 2-024. European Journal of Pharmacology, 2000, 406, 191-201.	1.7	45
39	Inhibition of glutamate release by BIA 2-093 and BIA 2-024, two novel derivatives of carbamazepine, due to blockade of sodium but not calcium channels11Abbreviations: AED, antiepileptic drug; CBZ, carbamazepine; OXC, oxcarbazepine; and 4-AP, 4-aminopyridine.. Biochemical Pharmacology, 2001, 61, 1271-1275.	2.0	45
40	Up-regulation of neuropeptide Y levels and modulation of glutamate release through neuropeptide Y receptors in the hippocampus of kainate-induced epileptic rats. Journal of Neurochemistry, 2005, 93, 163-170.	2.1	45
41	Response to Histamine Allows the Functional Identification of Neuronal Progenitors, Neurons, Astrocytes, and Immature Cells in Subventricular Zone Cell Cultures. Rejuvenation Research, 2008, 11, 187-200.	0.9	45
42	Domoic acid induces the release of glutamate in the rat hippocampal CA3 sub-region. NeuroReport, 1996, 7, 1330-1334.	0.6	44
43	Kainate Receptors Coupled to G_i/G_oProteins in the Rat Hippocampus. Molecular Pharmacology, 1999, 56, 429-433.	1.0	44
44	Modulation of dopamine and noradrenaline release and of intracellular Ca²⁺ concentration by presynaptic glutamate receptors in hippocampus. British Journal of Pharmacology, 1994, 113, 1439-1447.	2.7	43
45	Presynaptic modulation controlling neuronal excitability and epileptogenesis: role of kainate, adenosine and neuropeptide Y receptors. Neurochemical Research, 2003, 28, 1501-1515.	1.6	43
46	NPY promotes chemokinesis and neurogenesis in the rat subventricular zone. Journal of Neurochemistry, 2011, 116, 1018-1027.	2.1	43
47	Modulation of Glutamate Release from Rat Hippocampal Synaptosomes by Nitric Oxide. Nitric Oxide - Biology and Chemistry, 1997, 1, 315-329.	1.2	42
48	Protein kinase C activity blocks neuropeptide Yâ€mediated inhibition of glutamate release and contributes to excitability of the hippocampus in status epilepticus. FASEB Journal, 2007, 21, 671-681.	0.2	42
49	Neuropeptide Y promotes neurogenesis and protection against methamphetamine-induced toxicity in mouse dentate gyrus-derived neurosphere cultures. Neuropharmacology, 2012, 62, 2413-2423.	2.0	42
50	Protective role of neuropeptideâ€ƒY Y₂ receptors in cell death and microglial response following methamphetamine injury. European Journal of Neuroscience, 2012, 36, 3173-3183.	1.2	41
51	Brain Injury Associated with Widely Abused Amphetamines: Neuroinflammation, Neurogenesis and Blood-Brain Barrier. Current Drug Abuse Reviews, 2010, 3, 239-254.	3.4	41
52	A functionally active presynaptic high-affinity kainate receptor in the rat hippocampal CA3 subregion. Neuroscience Letters, 1995, 185, 83-86.	1.0	39
53	Cellular and Molecular Mechanisms Mediating Methylmercury Neurotoxicity and Neuroinflammation. International Journal of Molecular Sciences, 2021, 22, 3101.	1.8	38
54	Relation of [Ca2+]i to dopamine release in striatal synaptosomes: role of Ca2+ channels. Brain Research, 1995, 669, 234-244.	1.1	35

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55	Presynaptic N-methyl-d-aspartate receptor activation inhibits neurotransmitter release through nitric oxide formation in rat hippocampal nerve terminals. Molecular Brain Research, 2001, 89, 111-118.	2.5	33
56	Neuropeptide Y can rescue neurons from cell death following the application of an excitotoxic insult with kainate in rat organotypic hippocampal slice cultures. Peptides, 2007, 28, 288-294.	1.2	33
57	Proteolysis of NR2B by calpain in the hippocampus of epileptic rats. NeuroReport, 2005, 16, 393-396.	0.6	32
58	Coxsackievirus Adenovirus Receptor Loss Impairs Adult Neurogenesis, Synapse Content, and Hippocampus Plasticity. Journal of Neuroscience, 2016, 36, 9558-9571.	1.7	29
59	Solubilization and immunological identification of presynaptic Î±-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptors in the rat hippocampus. Neuroscience Letters, 2003, 336, 97-100.	1.0	28
60	Methamphetamineâ€induced changes in the mice hippocampal neuropeptide Y system: implications for memory impairment. Journal of Neurochemistry, 2012, 123, 1041-1053.	2.1	28
61	Modulation of Ca2+ channels by activation of adenosine A1 receptors in rat striatal glutamatergic nerve terminals. Neuroscience Letters, 1996, 220, 163-166.	1.0	25
62	Mitochondrial apoptotic cell death and moderate superoxide generation upon selective activation of non-desensitizing AMPA receptors in hippocampal cultures. Journal of Neurochemistry, 2003, 86, 792-804.	2.1	25
63	Role of kainate receptor activation and desensitization on the [Ca2+]ichanges in cultured rat hippocampal neurons. Journal of Neuroscience Research, 2001, 65, 378-386.	1.3	23
64	Can we talk about microglia without neurons? A discussion of microglial cell autonomous properties in culture. Frontiers in Cellular Neuroscience, 2014, 8, 202.	1.8	23
65	Modulation of subventricular zone oligodendrogenesis: a role for hemopressin?. Frontiers in Cellular Neuroscience, 2014, 8, 59.	1.8	22
66	Operational definition of active and healthy ageing: Roadmap from concept to change of management. Maturitas, 2016, 84, 3-4.	1.0	21
67	Presynaptic kainate receptors are localized close to release sites in rat hippocampal synapses. Neurochemistry International, 2005, 47, 309-316.	1.9	20
68	Galanin Promotes Neuronal Differentiation in Murine Subventricular Zone Cell Cultures. Stem Cells and Development, 2013, 22, 1693-1708.	1.1	19
69	New insights into the role of histamine in subventricular zone-olfactory bulb neurogenesis. Frontiers in Neuroscience, 2014, 8, 142.	1.4	18
70	Methamphetamine Exerts Toxic Effects on Subventricular Zone Stem/Progenitor Cells and Inhibits Neuronal Differentiation. Rejuvenation Research, 2011, 14, 205-214.	0.9	17
71	Functional Identification of Neural Stem Cellâ€“Derived Oligodendrocytes by Means of Calcium Transients Elicited by Thrombin. Rejuvenation Research, 2010, 13, 27-37.	0.9	15
72	Ampakine CX546 increases proliferation and neuronal differentiation in subventricular zone stem/progenitor cell cultures. European Journal of Neuroscience, 2012, 35, 1672-1683.	1.2	15

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73	Next-generation care pathways for allergic rhinitis and asthma multimorbidity: a model for multimorbid non-communicable diseasesâ€"Meeting Report (Part 2). Journal of Thoracic Disease, 2019, 11, 4072-4084.	0.6	15
74	The Transition From Undernutrition to Overnutrition Under Adverse Environments and Poverty: The Risk for Chronic Diseases. Frontiers in Nutrition, 2021, 8, 676044.	1.6	15
75	Development of a Healthy Lifestyle Assessment Toolkit for the General Public. Frontiers in Medicine, 2019, 6, 134.	1.2	14
76	Increase of the intracellular Ca2+ concentration mediated by transport of glutamate into rat hippocampal synaptosomes: characterization of the activated voltage sensitive Ca2+ channels. Neurochemistry International, 1998, 32, 7-16.	1.9	11
77	Next-generation care pathways for allergic rhinitis and asthma multimorbidity: a model for multimorbid non-communicable diseasesâ€"Meeting Report (Part 1). Journal of Thoracic Disease, 2019, 11, 3633-3642.	0.6	11
78	Biapigenin Modulates the Activity of the Adenine Nucleotide Translocator in Isolated Rat Brain Mitochondria. Neurotoxicity Research, 2010, 17, 75-90.	1.3	9
79	Functional Evaluation of Neural Stem Cell Differentiation by Single Cell Calcium Imaging. Current Stem Cell Research and Therapy, 2011, 6, 288-296.	0.6	9
80	Presynaptic kainate receptors modulating glutamatergic transmission in the rat hippocampus are inhibited by arachidonic acid. Neurochemistry International, 2004, 44, 371-379.	1.9	8
81	Methylmercury Interactions With Gut Microbiota and Potential Modulation of Neurogenic Niches in the Brain. Frontiers in Neuroscience, 2020, 14, 576543.	1.4	8
82	Revisiting Inbred Mouse Models to Study the Developing Brain: The Potential Role of Intestinal Microbiota. Frontiers in Human Neuroscience, 2018, 12, 358.	1.0	7
83	Functional Identification of Neural Stem Cell-Derived Oligodendrocytes. Methods in Molecular Biology, 2012, 879, 165-178.	0.4	4
84	Editorial: Interplay Between Nutrition, the Intestinal Microbiota and the Immune System. Frontiers in Immunology, 2020, 11, 1758.	2.2	4
85	Subventricular Zone Cells as a Tool for Brain Repair. , 2007, , 81-108.		3
86	UNDERSTANDING THE PHYSIOLOGY OF GLUTAMATE RECEPTORS BY USE OF A PROTOCOL FOR NEURONAL STAINING. American Journal of Physiology - Advances in Physiology Education, 2003, 27, 78-85.	0.8	2
87	Microglia: The Bodyguard and the Hunter of the Adult Neurogenic Niche. , 2012, , 245-279.		2
88	Absolute Threshold. , 2008, , 3-3.		0
89	The effect of methamphetamine on subventricular zone neurogenesis: Cell death, proliferation and differentiation. , 2012, , .		0
90	Neuroinflammation and aging. , 2021, , 139-151.		0

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91	Inflammation and Neuronal Susceptibility to Excitotoxic Cell Death. , 2007, , 3-35.		0