Michele Zoli

List of Publications by Year
in descending order

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221 papers	16,973 citations	20817 60 h-index	16183 124 g-index
221 all docs	221 docs citations	221 times ranked	11514 citing authors

#	Article	IF	Citations
1	Acetylcholine receptors containing the Î²2 subunit are involved in the reinforcing properties of nicotine. Nature, 1998, 391, 173-177.	27.8	1,239
2	Brain nicotinic acetylcholine receptors: native subtypes and their relevance. Trends in Pharmacological Sciences, 2006, 27, 482-491.	8.7	782
3	Molecular and Physiological Diversity of Nicotinic Acetylcholine Receptors in the Midbrain Dopaminergic Nuclei. Journal of Neuroscience, 2001, 21, 1452-1463.	3.6	626
4	Abnormal avoidance learning in mice lacking functional high-affinity nicotine receptor in the brain. Nature, 1995, 374, 65-67.	27.8	612
5	Intercellular communication in the brain: Wiring versus volume transmission. Neuroscience, 1995, 69, 711-726.	2.3	496
6	Coaggregation, Cointernalization, and Codesensitization of Adenosine A2A Receptors and Dopamine D2Receptors. Journal of Biological Chemistry, 2002, 277, 18091-18097.	3.4	450
7	Structural and functional diversity of native brain neuronal nicotinic receptors. Biochemical Pharmacology, 2009, 78, 703-711.	4.4	422
8	Dopamine D1 and adenosine A1 receptors form functionally interacting heteromeric complexes. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 8606-8611.	7.1	419
9	Identification of Four Classes of Brain Nicotinic Receptors Using Î²2 Mutant Mice. Journal of Neuroscience, 1998, 18, 4461-4472.	3.6	372
10	Identification of the Nicotinic Receptor Subtypes Expressed on Dopaminergic Terminals in the Rat Striatum. Journal of Neuroscience, 2002, 22, 8785-8789.	3.6	369
11	Neuronal Nicotinic Receptor a6 Subunit mRNA is Selectively Concentrated in Catecholaminergic Nuclei of the Rat Brain. European Journal of Neuroscience, 1996, 8, 2428-2439.	2.6	358
12	Distribution and Pharmacology of Î±6-Containing Nicotinic Acetylcholine Receptors Analyzed with Mutant Mice. Journal of Neuroscience, 2002, 22, 1208-1217.	3.6	330
13	Volume transmission in the CNS and its relevance for neuropsychopharmacology. Trends in Pharmacological Sciences, 1999, 20, 142-150.	8.7	304
14	Brain nicotinic receptors: structure and regulation, role in learning and reinforcement1Published on the World Wide Web on 24 October 1997.1. Brain Research Reviews, 1998, 26, 198-216.	9.0	280
15	Integrated events in central dopamine transmission as analyzed at multiple levels. Evidence for intramembrane adenosine A2A/dopamine D2 and adenosine A1/dopamine D1 receptor interactions in the basal ganglia1Published on the World Wide Web on 12 January 1998.1. Brain Research Reviews, 1998, 26, 258-273.	9.0	266
16	A correlation analysis of the regional distribution of central enkephalin and Î²â€endorphin immunoreactive terminals and of opiate receptors in adult and old male rats. Evidence for the existence of two main types of communication in the central nervous system: the volume transmission and the wiring transmission. Acta Physiologica Scandinavica, 1986, 128, 201-207.	2.2	260
17	Heterogeneity and complexity of native brain nicotinic receptors. Biochemical Pharmacology, 2007, 74, 1102-1111.	4.4	260
18	D2R striatopallidal neurons inhibit both locomotor and drug reward processes. Nature Neuroscience, 2009, 12, 393-395.	14.8	251

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19	Effects of nicotine in the dopaminergic system of mice lacking the alpha4 subunit of neuronal nicotinic acetylcholine receptors. European Journal of Neuroscience, 2003, 17, 1329-1337.	2.6	224
20	The emergence of the volume transmission concept1Published on the World Wide Web on 12 January 1998.1. Brain Research Reviews, 1998, 26, 136-147.	9.0	209
21	Diversity of native nicotinic receptor subtypes in mammalian brain. Neuropharmacology, 2015, 96, 302-311.	4.1	209
22	Nicotinic Acetylcholine Receptors in the Mesolimbic Pathway: Primary Role of Ventral Tegmental Area Î±6Î²2* Receptors in Mediating Systemic Nicotine Effects on Dopamine Release, Locomotion, and Reinforcement. Journal of Neuroscience, 2010, 30, 5311-5325.	3.6	208
23	Rodent Habenuloâ€“Interpeduncular Pathway Expresses a Large Variety of Uncommon nAChR Subtypes, But Only the Î±3Î²4 and Î±3Î²3Î²4 Subtypes Mediate Acetylcholine Release. Journal of Neuroscience, 2009, 29, 2272-2282.	3.6	205
24	Increased neurodegeneration during ageing in mice lacking high-affinity nicotine receptors. EMBO Journal, 1999, 18, 1235-1244.	7.8	193
25	Nicotinic receptors in aging and dementia. Journal of Neurobiology, 2002, 53, 641-655.	3.6	193
26	Characterisation of gastric ghrelin cells in man and other mammals: studies in adult and fetal tissues. Histochemistry and Cell Biology, 2002, 117, 511-519.	1.7	188
27	Neuroprotection via nAChRs: the role of nAChRs in neurodegenerative disorders such as Alzheimer's and Parkinson's disease. Frontiers in Bioscience - Landmark, 2008, 13, 492.	3.0	187
28	Neuronal and Extraneuronal Nicotinic Acetylcholine Receptors. Current Neuropharmacology, 2018, 16, 338-349.	2.9	172
29	Mapping and computer assisted morphometry and microdensitometry of glucocorticoid receptor immunoreactive neurons and glial cells in the rat central nervous system. Neuroscience, 1994, 62, 843-897.	2.3	163
30	Evidence for Adenosine/Dopamine Receptor Interactions Indications for Heteromerization. Neuropsychopharmacology, 2000, 23, S50-S59.	5.4	147
31	Localization of nAChR subunit mRNAs in the brain of Macaca mulatta. European Journal of Neuroscience, 2000, 12, 3664-3674.	2.6	139
32	Morphometrical analysis of the distribution of corticotrophin releasing factor, glucocorticoid receptor and phenylethanolamine-N-methyltransferase immunoreactive structures in the paraventricular hypothalamic nucleus of the rat. Neuroscience Letters, 1985, 54, 147-152.	2.1	131
33	Wiring and volume transmission in the central nervous system: The concept of closed and open synapses. Progress in Neurobiology, 1996, 49, 363-380.	5.7	125
34	Targeting of the Arpc3 actin nucleation factor by miR-29a/b regulates dendritic spine morphology. Journal of Cell Biology, 2011, 194, 889-904.	5.2	125
35	Receptor-receptor interactions as an integrative mechanism in nerve cells. Molecular Neurobiology, 1993, 7, 293-334.	4.0	124
36	Acute and long-term changes in the mesolimbic dopamine pathway after systemic or local single nicotine injections. European Journal of Neuroscience, 2002, 15, 1810-1818.	2.6	112

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37	Reduced growth hormone releasing factor (GHRF)-like immunoreactivity and GHRF gene expression in the hypothalamus of aged rats. Peptides, 1989, 10, 705-708.	2.4	110
38	Synapsin-I- and synapsin-II-null mice display an increased age-dependent cognitive impairment. Journal of Cell Science, 2008, 121, 3042-3051.	2.0	102
39	Immunochemical localization of calcium/calmodulin-dependent protein kinase I. Synapse, 1995, 20, 75-84.	1.2	100
40	Morphometrical and microdensitometrical studies on phenylethanolamine-N-methyltransferase- and neuropeptide Y-immunoreactive neurons in the rostral medulla oblongata of the adult and old male rat. Neuroscience, 1988, 26, 461-478.	2.3	96
41	Aspects of neural plasticity in the central nervous systemâ€”I. Computer-assisted image analysis methods. Neurochemistry International, 1990, 16, 383-418.	3.8	94
42	Selective activation of central subtypes of the nicotinic acetylcholine receptor has opposite effects on neonatal excitotoxic brain injuries. FASEB Journal, 2002, 16, 423-425.	0.5	94
43	Localization of [3H]nicotine, [3H]cytisine, [3H]epibatidine, and [125I]Î±-bungarotoxin binding sites in the brain ofMacaca mulatta. Journal of Comparative Neurology, 2003, 461, 49-60.	1.6	91
44	Studies on the cellular localization and distribution of glucocorticoid receptor and estrogen receptor immunoreactivity in the central nervous system of the rat and their relationship to the monoaminergic and peptidergic neurons of the brain. The Journal of Steroid Biochemistry, 1987, 27, 159-170.	1.1	89
45	Studies on neuropeptide Y-catecholamine interactions in the hypothalamus and in the forebrain of the male rat. Relationship to neuroendocrine function. Neurochemistry International, 1986, 8, 355-376.	3.8	87
46	Nicotinic Acetylcholine Receptor Subtypes Expression during Rat Retina Development and Their Regulation by Visual Experience. Molecular Pharmacology, 2004, 66, 85-96.	2.3	84
47	Nicotinic, glutamatergic and dopaminergic synaptic transmission and plasticity in the mesocorticolimbic system: Focus on nicotine effects. Progress in Neurobiology, 2015, 124, 1-27.	5.7	81
48	Involvement of Î±6 nicotinic receptor subunit in nicotine-elicited locomotion, demonstrated by in vivo antisense oligonucleotide infusion. NeuroReport, 1999, 10, 2497-2501.	1.2	78
49	Adenosine A2A agonist CGS 21680 decreases the affinity of dopamine D2 receptors for dopamine in human striatum. NeuroReport, 2001, 12, 1831-1834.	1.2	78
50	Different physiological and behavioural effects of e-cigarette vapour and cigarette smoke in mice. European Neuropsychopharmacology, 2015, 25, 1775-1786.	0.7	76
51	Regional patterns and clinical correlates of basal ganglia morphology in non-medicated schizophrenia. Schizophrenia Research, 2008, 106, 140-147.	2.0	73
52	MicroRNA-101 Regulates Multiple Developmental Programs to Constrain Excitation in Adult Neural Networks. Neuron, 2016, 92, 1337-1351.	8.1	73
53	Alteration of hippocampal cell proliferation in mice lacking the ?2 subunit of the neuronal nicotinic acetylcholine receptor. Synapse, 2004, 54, 200-206.	1.2	71
54	Central Glucocorticoid Receptor Immunoreactive Neurons: New Insights into the Endocrine Regulation of the Brain. Annals of the New York Academy of Sciences, 1987, 512, 362-393.	3.8	70

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55	Functional striatal hypodopaminergic activity in mice lacking adenosine A2A receptors. Journal of Neurochemistry, 2001, 78, 183-198.	3.9	68
56	Heterogeneity and Selective Targeting of Neuronal Nicotinic Acetylcholine Receptor (nAChR) Subtypes Expressed on Retinal Afferents of the Superior Colliculus and Lateral Geniculate Nucleus: Identification of a New Native nAChR Subtype Î±3Î²2(Î±5 or Î²3) Enriched in Retinocollicular Afferents. Molecular Pharmacology, 2005, 68, 1162-1171.	2.3	68
57	The Novel Î±₇Î²₂-Nicotinic Acetylcholine Receptor Subtype Is Expressed in Mouse and Human Basal Forebrain: Biochemical and Pharmacological Characterization. Molecular Pharmacology, 2014, 86, 306-317.	2.3	68
58	Cannabinoid Receptor Antagonists Counteract Sensorimotor Gating Deficits in the Phencyclidine Model of Psychosis. Neuropsychopharmacology, 2007, 32, 2098-2107.	5.4	64
59	Reduced plaque size and inflammation in the APP23 mouse model for Alzheimerâ€™s disease after chronic application of polymeric nanoparticles for CNS targeted zinc delivery. Journal of Trace Elements in Medicine and Biology, 2018, 49, 210-221.	3.0	64
60	Nicotine and neurodegeneration in ageing. Toxicology Letters, 2002, 127, 207-215.	0.8	63
61	Insight on the fate of CNS-targeted nanoparticles. Part I: Rab5-dependent cell-specific uptake and distribution. Journal of Controlled Release, 2014, 174, 195-201.	9.9	63
62	Nicotinic Regulation of Energy Homeostasis. Nicotine and Tobacco Research, 2012, 14, 1270-1290.	2.6	62
63	Nicotine-Induced Structural Plasticity in Mesencephalic Dopaminergic Neurons Is Mediated by Dopamine D3 Receptors and Akt-mTORC1 Signaling. Molecular Pharmacology, 2013, 83, 1176-1189.	2.3	61
64	Preferential alterations in the mesolimbic dopamine pathway of heterozygous reeler mice: an emerging animal-based model of schizophrenia. European Journal of Neuroscience, 2002, 15, 1197-1205.	2.6	60
65	PEG-g-chitosan nanoparticles functionalized with the monoclonal antibody OX26 for brain drug targeting. Nanomedicine, 2015, 10, 1735-1750.	3.3	60
66	Promoter elements conferring neuron-specific expression of the Î²2-subunit of the neuronal nicotinic acetylcholine receptor studiedin vitro and in transgenic mice. Neuroscience, 1995, 69, 807-819.	2.3	58
67	Distribution of dopamine-immunoreactive neurons and their relationships to transmitter and hypothalamic hormone-immunoreactive neuronal systems in the rat mediobasal hypothalamus. A morphometric and microdensitometric analysis. Journal of Chemical Neuroanatomy, 1993, 6, 293-310.	2.1	57
68	Ghrelin expression in gut endocrine growths. Histochemistry and Cell Biology, 2002, 117, 521-525.	1.7	57
69	Chapter 20 Morphofunctional studies on the neuropeptide Y/adrenaline costoring terminal systems in the dorsal cardiovascular region of the medulla oblongata. Focus on receptor-receptor interactions in cotransmission. Progress in Brain Research, 1986, 68, 303-320.	1.4	56
70	Exposure to an enriched environment selectively increases the functional response of the preâ€synaptic NMDA receptors which modulate noradrenaline release in mouse hippocampus. Journal of Neurochemistry, 2009, 110, 1598-1606.	3.9	54
71	Studies on neurotensin catecholamine interactions in the hypothalamus and in the forebrain of the male rat. Neurochemistry International, 1984, 6, 737-750.	3.8	53
72	Chapter 19 Aspects on the information handling by the central nervous system: focus on cotransmission in the aged rat brain. Progress in Brain Research, 1986, 68, 291-301.	1.4	53

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73	On the distribution patterns of D1, D2, tyrosine hydroxylase and dopamine transporter immunoreactivities in the ventral striatum of the rat. Neuroscience, 1999, 89, 473-489.	2.3	53
74	Feeding and drinking responses to neuropeptide Y injections in the paraventricular hypothalamic nucleus of aged rats. Brain Research, 1992, 575, 265-271.	2.2	52
75	Long distance pathways of diffusion for dextran along fibre bundles in brain. Relevance for volume transmission. NeuroReport, 1995, 6, 1005-1009.	1.2	52
76	Ryanodine receptor-2 upregulation and nicotine-mediated plasticity. EMBO Journal, 2011, 30, 194-204.	7.8	52
77	A Comparative Study of the Effects of the Intravenous Self-Administration or Subcutaneous Minipump Infusion of Nicotine on the Expression of Brain Neuronal Nicotinic Receptor Subtypes. Molecular Pharmacology, 2010, 78, 287-296.	2.3	51
78	Neurosteroids and epileptogenesis in the pilocarpine model: Evidence for a relationship between P450scc induction and length of the latent period. Epilepsia, 2009, 50, 53-58.	5.1	50
79	Development of a simple and sensitive liquid chromatography triple quadrupole mass spectrometry (LCâ€“MS/MS) method for the determination of cannabidiol (CBD), Î” 9 -tetrahydrocannabinol (THC) and its metabolites in rat whole blood after oral administration of a single high dose of CBD. Journal of Pharmaceutical and Biomedical Analysis, 2018, 150, 25-32.	2.8	50
80	Transient forebrain ischemia produces multiple deficits in dopamine D1 transmission in the lateral neostriatum of the rat. Brain Research, 1989, 498, 376-380.	2.2	49
81	Polyamines, Ornithine Decarboxylase, and Diamine Oxidase in the Substantia Nigra and Striatum of the Male Rat After Hemitransection. Journal of Neurochemistry, 1988, 51, 25-31.	3.9	48
82	Insight on the fate of CNS-targeted nanoparticles. Part II: Intercellular neuronal cell-to-cell transport. Journal of Controlled Release, 2014, 177, 96-107.	9.9	48
83	Corticosterone increases FGF-2 (bFGF) immunoreactivity in the substantia nigra of the rat. NeuroReport, 1993, 4, 783-786.	1.2	47
84	Endocytosis of Nanomedicines: The Case of Glycopeptide Engineered PLGA Nanoparticles. Pharmaceutics, 2015, 7, 74-89.	4.5	46
85	Evidence for the existence of ornithine decarboxylase-immunoreactive neurons in the rat brain. Neuroscience Letters, 1987, 76, 269-274.	2.1	44
86	Repeated electroconvulsive shock increases glial fibrillary acidic protein, ornithine decarâ˜ylase, somatostatin and cholecystokinin immunoreactivities in the hippocampal formation of the rat. Brain Research, 1990, 533, 223-231.	2.2	44
87	Short- and Long-term Changes in Striatal Neurons and Astroglia After Transient Forebrain Ischemia in Rats. Stroke, 1997, 28, 1049-1059.	2.0	44
88	Nicotine withdrawal increases body weight, neuropeptide Y and Agouti-related protein expression in the hypothalamus and decreases uncoupling protein-3 expression in the brown adipose tissue in high-fat fed mice. Neuroscience Letters, 2007, 411, 72-76.	2.1	43
89	L-Deprenyl increases GFAP immunoreactivity selectively in activated astrocytes in rat brain. NeuroReport, 1993, 4, 955-958.	1.2	42
90	Computer-assisted mapping of basic fibroblast growth factor immunoreactive nerve cell populations in the rat brain. Journal of Chemical Neuroanatomy, 1996, 11, 13-35.	2.1	42

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91	Diet-induced changes in hypothalamic pro-opio-melanocortin mRNA in the rat hypothalamus. Peptides, 2002, 23, 1063-1068.	2.4	42
92	Effects of transient forebrain ischemia on peptidergic neurons and astroglial cells: evidence for recovery of peptide immunoreactivities in neocortex and striatum but not hippocampal formation. Experimental Brain Research, 1990, 82, 123-36.	1.5	41
93	On the Role of Neuropeptide Y in Information Handling in the Central Nervous System in Normal and Physiopathological States.. Annals of the New York Academy of Sciences, 1990, 579, 28-67.	3.8	40
94	Simultaneous measurement of adenosine, dopamine, acetylcholine and 5-hydroxytryptamine in cerebral mice microdialysis samples by LCâ€“ESI-MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2012, 71, 183-186.	2.8	39
95	LPS-induced histone H3 phospho(Ser10)-acetylation(Lys14) regulates neuronal and microglial neuroinflammatory response. Brain, Behavior, and Immunity, 2018, 74, 277-290.	4.1	39
96	A genome-wide analysis in cluster headache points to neprilysin and PACAP receptor gene variants. Journal of Headache and Pain, 2016, 17, 114.	6.0	38
97	Morphometrical and microdensitometrical studies on peptide- and tyrosine hydroxylase-like immunoreactivities in the forebrain of rats prenatally exposed to methylazoxymethanol acetate. Developmental Brain Research, 1990, 51, 45-61.	1.7	37
98	Aspects of neural plasticity in the central nervous systemâ€”VII. Theoretical aspects of brain communication and computationâ˜†. Neurochemistry International, 1990, 16, 479-500.	3.8	37
99	Central Mechanisms Subserving the Impaired Growth Hormone Secretion Induced by Persistent Blockade of NMDA Receptors in Immature Male Rats. Neuroendocrinology, 1992, 55, 416-421.	2.5	37
100	Characterization of the hypothalamoâ€“pituitaryâ€“IGF-I axis in rats made obese by overfeeding. Journal of Endocrinology, 1996, 148, 347-353.	2.6	37
101	Exploiting Bacterial Pathways for BBB Crossing with PLGA Nanoparticles Modified with a Mutated Form of Diphtheria Toxin (CRM197): In Vivo Experiments. Molecular Pharmaceutics, 2015, 12, 3672-3684.	4.6	36
102	Evidence for Cholecystokinin-Dopamine Receptor Interactions in the Central Nervous System of the Adult and Old Rat. Annals of the New York Academy of Sciences, 1985, 448, 315-333.	3.8	35
103	Ontogeny and Tissue-Specific Regulation of Ghrelin mRNA Expression Suggest that Ghrelin Is Primarily Involved in the Control of Extraendocrine Functions in the Rat. Neuroendocrinology, 2003, 77, 91-99.	2.5	34
104	Inhibition of both Î±7* and Î²2* nicotinic acetylcholine receptors is necessary to prevent development of sensitization to cocaine-elicited increases in extracellular dopamine levels in the ventral striatum. Psychopharmacology, 2006, 187, 181-188.	3.1	34
105	Contribution of nicotinic acetylcholine receptors containing the Î²2-subunit to the behavioural effects of nicotine. Biochemical Society Transactions, 1997, 25, 824-829.	3.4	33
106	Evidence for the existence of a dopamine receptor of the D-1 type in the rat median eminence. Neuroscience Letters, 1983, 43, 185-190.	2.1	32
107	Age-related alterations in tanycytes of the mediobasal hypothalamus of the male rat. Neurobiology of Aging, 1995, 16, 77-83.	3.1	32
108	Rivastigmine antagonizes deficits in prepulse inhibition induced by selective immunolesioning of cholinergic neurons in nucleus basalis magnocellularis. Neuroscience, 2002, 114, 91-98.	2.3	32

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109	Differential effects of nicotinic antagonists perfused into the nucleus accumbens or the ventral tegmental area on cocaine-induced dopamine release in the nucleus accumbens of mice. Psychopharmacology, 2006, 190, 189-199.	3.1	32
110	Chronic nicotine and withdrawal affect glutamatergic but not nicotinic receptor expression in the mesocorticolimbic pathway in a region-specific manner. Pharmacological Research, 2016, 103, 167-176.	7.1	32
111	Morphometrical and microdensitometrical studies on phenylethanolamine-N-methyltransferase- and neuropeptide Y-immunoreactive nerve terminals and on glucocorticoid receptor-immunoreactive nerve cell nuclei in the paraventricular hypothalamic nucleus in adult and old male rats. Neuroscience, 1988, 26, 479-492.	2.3	31
112	Evidence for a role of neosynthetized putrescine in the increase of glial fibrillary acidic protein immunoreactivity induced by a mechanical lesion in the rat brain. Neuroscience Letters, 1990, 120, 13-16.	2.1	31
113	<scp>CC</scp>4, a dimer of cytisine, is a selective partial agonist at Î±4Î²2/Î±6Î²2 <scp>nAChR</scp> with improved selectivity for tobacco smoking cessation. British Journal of Pharmacology, 2013, 168, 835-849.	5.4	31
114	Distribution and Relative Abundance of S100 Proteins in the Brain of the APP23 Alzheimerâ€™s Disease Model Mice. Frontiers in Neuroscience, 2019, 13, 640.	2.8	31
115	Choline and nicotine increase glioblastoma cell proliferation by binding and activating Î±7- and Î±9-containing nicotinic receptors. Pharmacological Research, 2021, 163, 105336.	7.1	30
116	l-glutamate reduces the affinity of [3H]N-propylnorapomorphine binding sites in striatal membranes. European Journal of Pharmacology, 1984, 100, 127-130.	3.5	29
117	Hypothalamic Neuropeptide Y and Galanin in Overweight Rats Fed a Cafeteria Diet. Peptides, 1998, 19, 157-165.	2.4	28
118	Use of knock-out mice to determine the molecular basis for the actions of nicotine. Nicotine and Tobacco Research, 1999, 1, 121-125.	2.6	28
119	Changes in nicotinic acetylcholine receptor subunit mRNAs and nicotinic binding in spontaneously hypertensive stroke prone rats. Neuroscience Letters, 1999, 277, 169-172.	2.1	28
120	Effects of neurotoxic and mechanical lesions of the mesostriatal dopamine pathway on striatal polyamine levels in the rat: Modulation by chronic ganglioside GM1 treatment. Neuroscience Letters, 1985, 61, 339-344.	2.1	27
121	Protective Effects of Delapril, Indapamide and Their Combination Chronically Administered to Stroke-Prone Spontaneously Hypertensive Rats Fed a High-Sodium Diet. Clinical Science, 1997, 93, 401-411.	4.3	27
122	Effects of lesions and ganglioside GM1 treatment on striatal polyamine levels and nigral DA neurons. A role of putrescine in the neurotropic activity of gangliosides. Acta Physiologica Scandinavica, 1985, 124, 499-506.	2.2	26
123	Morphometrical evidence for a complex organization of tyrosine hydroxylase-,enkephalin- and darpp-32-like immunoreactive patches and their codistribution at three rostrocaudal levels in the rat neostriatum. Neuroscience, 1988, 27, 785-797.	2.3	26
124	Brain-targeted polymeric nanoparticles: in vivo evidence of different routes of administration in rodents. Nanomedicine, 2013, 8, 1373-1383.	3.3	26
125	Serum protein changes in a rat model of chronic pain show a correlation between animal and humans. Scientific Reports, 2017, 7, 41723.	3.3	26
126	A new approach to quantitate the density and antigen contents of high densities of transmitter-identified terminals. Immunocytochemical studies on different types of tyrosine hydroxylaxe immunoreactive nerve terminals in nucleus caudatus putamen of the rat. Neuroscience Letters, 1982, 32, 253-258.	2.1	25

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127	Aspects of neural plasticity in the central nervous systemâ€”V. Studies on a model of transient forebrain ischemia in male Sprague-Dawley rats. Neurochemistry International, 1990, 16, 451-468.	3.8	25
128	Neuronal plasticity and ageing processes in the frame of the â€˜Red Queen Theoryâ€™. Acta Physiologica Scandinavica, 1992, 145, 301-309.	2.2	25
129	Subunit and region-specific decreases in nicotinic acetylcholine receptor mRNA in the aged rat brain. Neurobiology of Aging, 1999, 20, 37-46.	3.1	25
130	Differential ontogenetic expression and regulation of proenkephalin and preprosomatostatin mRNAs in rat caudate-putamen as studied by in situ hybridization histochemistry. Developmental Brain Research, 1991, 60, 115-122.	1.7	24
131	Aspects of neural plasticity in the central nervous systemâ€”III. Methodological studies on the microdialysis technique. Neurochemistry International, 1990, 16, 427-435.	3.8	23
132	Regional and cellular distribution within the rat prostate of two mRNA species undergoing opposite regulation by androgens. Journal of Endocrinology, 1992, 132, 361-NP.	2.6	23
133	Heterosynaptic GABAergic plasticity bidirectionally driven by the activity of pre- and postsynaptic NMDA receptors. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9898-9903.	7.1	23
134	Striatal ornithine decarboxylase activity following neurotoxic and mechanical lesions of the mesostriatal dopamine system of the male rat. Acta Physiologica Scandinavica, 1985, 125, 173-175.	2.2	22
135	Increases in sulphated glycoprotein-2 mRNA levels in the rat brain after transient forebrain ischemia or partial mesodiencephalic hemitransection. Molecular Brain Research, 1993, 18, 163-177.	2.3	22
136	Effects of nitric oxide inhibition on the spread of biotinylated dextran and on extracellular space parameters in the neostriatum of the male rat. Neuroscience, 1999, 91, 69-80.	2.3	22
137	Spermidine/spermine N1-acetyltransferase mRNA levels show marked and region-specific changes in the early phase after transient forebrain ischemia. Molecular Brain Research, 1996, 38, 122-134.	2.3	21
138	Preâ€synaptic nicotinic and D₂ receptors functionally interact on dopaminergic nerve endings of rat and mouse nucleus accumbens. Journal of Neurochemistry, 2009, 108, 1507-1514.	3.9	21
139	Activity and circadian rhythm influence synaptic Shank3 protein levels in mice. Journal of Neurochemistry, 2016, 138, 887-895.	3.9	21
140	Untargeted rat brain metabolomics after oral administration of a single high dose of cannabidiol. Journal of Pharmaceutical and Biomedical Analysis, 2018, 161, 1-11.	2.8	21
141	Neuromorphic Organic Devices that Specifically Discriminate Dopamine from Its Metabolites by Nonspecific Interactions. Advanced Functional Materials, 2020, 30, 2002141.	14.9	21
142	Some aspects of the communicational and computational organization of the brain. Acta Physiologica Scandinavica, 1989, 135, 203-216.	2.2	20
143	Longâ€lasting reduction of glucocorticoid receptor immunoreactivity in the hippocampal field CA1 but not in the dentate gyrus after neonatal treatment with corticosterone in the rat. Acta Physiologica Scandinavica, 1990, 138, 577-579.	2.2	20
144	Selective reduction of glucocorticoid receptor immunoreactivity in the hippocampal formation and central amygdaloid nucleus of the aged rat. Brain Research, 1991, 545, 199-207.	2.2	20

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145	Chicken neuronal acetylcholine receptor alpha 2-subunit gene exhibits neuron-specific expression in the brain and spinal cord of transgenic mice.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 2237-2241.	7.1	20
146	Novel peptide-conjugated nanomedicines for brain targeting: In vivo evidence. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 28, 102226.	3.3	20
147	Morphometric evaluation of populations of neuronal profiles (cell bodies, dendrites, and nerve) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.2	19
148	Promoter analysis of the neuronal nicotinic acetylcholine receptor Î±4gene: methylation and expression of the transgene. European Journal of Neuroscience, 1998, 10, 2244-2253.	2.6	19
149	Developmental overfeeding alters hypothalamic neuropeptide mRNA levels and response to a high-fat diet in adult mice. Peptides, 2011, 32, 1371-1383.	2.4	19
150	Regional increases in ornithine decarboxylase mRNA levels in the rat brain after partial mesodiencephalic hemitransection as revealed by in situ hybridization histochemistry. Neurochemistry International, 1991, 18, 347-352.	3.8	18
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