Roser Cortes

List of Publications by Year
in descending order

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93 papers	7,255 citations	50276 46 h-index	54911 84 g-index
93 all docs	93 docs citations	93 times ranked	4881 citing authors

#	Article	IF	Citations
1	Quantitative autoradiographic mapping of serotonin receptors in the rat brain. II. Serotonin-2 receptors. Brain Research, 1985, 346, 231-249.	2.2	855
2	Neuropeptide expression in rat dorsal root ganglion cells and spinal cord after peripheral nerve injury with special reference to galanin. Neuroscience, 1989, 33, 587-604.	2.3	449
3	Dopamine receptors in human brain: Autoradiographic distribution of D2 sites. Neuroscience, 1989, 28, 275-290.	2.3	270
4	Muscarinic cholinergic receptor subtypes in the rat brain. I. Quantitative autoradiographic studies. Brain Research, 1986, 362, 227-238.	2.2	229
5	Differential effects of intracerebroventiricular colchicine administration on the expression of mrnas for neuropeptides and neurotransmitter enzymes, with specila emphasis on galanin: An in situ Hybridization Study. Synapse, 1990, 6, 369-391.	1.2	217
6	Autoradiography of antidepressant binding sites in the human brain: localization using [3h]imipramine and [3h]paroxetine. Neuroscience, 1988, 27, 473-496.	2.3	204
7	Phosphodiesterase type 4 isozymes expression in human brain examined by in situ hybridization histochemistry and [3H]rolipram binding autoradiography. Journal of Chemical Neuroanatomy, 2000, 20, 349-374.	2.1	202
8	Muscarinic cholinergic receptor subtypes in the human brain. II. Quantitative autoradiographic studies. Brain Research, 1986, 362, 239-253.	2.2	197
9	Peptides and transmitter enzymes in hypothalamic magnocellular neurons after administration of hyperosmotic stimuli: comparison between messenger RNA and peptide/protein levels. Cell and Tissue Research, 1990, 260, 279-297.	2.9	168
10	Dopamine receptors in human brain: Autoradiographic distribution of D1 sites. Neuroscience, 1989, 28, 263-273.	2.3	165
11	Calcium antagonist binding sites in the rat brain: Quantitative autoradiographic mapping using the 1,4-dihydropyridines [3H]PN 200-110 and [3H]PY 108-068. Journal of Neural Transmission, 1984, 60, 169-197.	2.8	151
12	Distribution of somatostatin receptors in the human brain: An autoradiographic study. Neuroscience, 1986, 18, 329-346.	2.3	144
13	Quantitative light microscopic autoradiographic localization of cholinergic muscarinic receptors in the human brain: Forebrain. Neuroscience, 1987, 20, 65-107.	2.3	142
14	Benzodiazepine receptor sites in the human brain: Autoradiographic mapping. Neuroscience, 1988, 25, 771-795.	2.3	137
15	Î±1-adrenoceptors in the mammalian brain: similar pharmacology but different distribution in rodents and primates. Brain Research, 1987, 419, 65-75.	2.2	130
16	The distribution of glycine receptors in the human brain. A light microscopic autoradiographic study using [3H]strychnine. Neuroscience, 1986, 17, 11-35.	2.3	128
17	5-HT receptors in mammalian brain: receptor autoradiography andin situ hybridization studies of new ligands and newly identified receptors. The Histochemical Journal, 1996, 28, 747-758.	0.6	127
18	Quantitative light microscopic autoradiographic localization of cholinergic muscarinic receptors in the human brain: Brainstem. Neuroscience, 1984, 12, 1003-1026.	2.3	123

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19	Serotonin 5â€HT₄ receptors and their mRNAs in rat and guinea pig brain: Distribution and effects of neurotoxic lesions. Journal of Comparative Neurology, 2005, 484, 418-439.	1.6	121
20	Multiple opiate receptor in human brain: An autoradiographic investigation. Life Sciences, 1983, 33, 231-234.	4.3	118
21	Effect of reserpine and colchicine on neuropeptide mRNA levels in the rat hypothalamic paraventricular nucleus. Molecular Brain Research, 1991, 9, 57-69.	2.3	117
22	Expression of serotonin 5-HT2C receptors in GABAergic cells of the anterior raphe nuclei. Journal of Chemical Neuroanatomy, 2005, 29, 83-91.	2.1	117
23	Calcitonin Gene-Related Peptide in the Brain, Spinal Cord, and Some Peripheral Systems. Annals of the New York Academy of Sciences, 1992, 657, 119-134.	3.8	113
24	Localization of 5-HT4 receptor mRNA in rat brain by in situ hybridization histochemistry. Molecular Brain Research, 1996, 43, 356-360.	2.3	111
25	Selective siRNA-mediated suppression of 5-HT1A autoreceptors evokes strong anti-depressant-like effects. Molecular Psychiatry, 2012, 17, 612-623.	7.9	111
26	Alterations on phosphodiesterase type 7 and 8 isozyme mRNA expression in Alzheimerâ€™s disease brains examined by in situ hybridization. Experimental Neurology, 2003, 182, 322-334.	4.1	110
27	Dopamine receptors in human brain: autoradiographic distribution of D1 and D2 sites in Parkinson syndrome of different etiology. Brain Research, 1989, 483, 30-38.	2.2	107
28	Dopamine- and cAMP-regulated phosphoprotein (DARPP-32) and dopamine DA1 agonist-sensitive Na+,K+-ATPase in renal tubule cells.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 8068-8072.	7.1	96
29	Pyramidal Neurons in Rat Prefrontal Cortex Projecting to Ventral Tegmental Area and Dorsal Raphe Nucleus Express 5-HT2A Receptors. Cerebral Cortex, 2009, 19, 1678-1686.	2.9	87
30	The effects of lesions in the rat hippocampus suggest the association of calcium channel blocker binding sites with specific neuronal population. Neuroscience Letters, 1983, 42, 249-254.	2.1	82
31	Effects of central nervous system lesions on the expression of galanin: a comparative in situ hybridization and immunohistochemical study.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 7742-7746.	7.1	76
32	Neuropeptide gene expression in hypothalamic magnocellular neurons of normal and hypophysectomized rats: A combined immunohistochemical and in situ hybridization study. Neuroscience, 1990, 36, 181-199.	2.3	74
33	Dopamine release induced by atypical antipsychotics in prefrontal cortex requires 5-HT1A receptors but not 5-HT2A receptors. International Journal of Neuropsychopharmacology, 2010, 13, 1299-1314.	2.1	67
34	Distinct topographical localisation of two somatostatin receptor subpopulations in the human cortex. Brain Research, 1987, 406, 391-396.	2.2	66
35	Distribution and neurochemical characterization of neurons expressing GIRK channels in the rat brain. Journal of Comparative Neurology, 2008, 510, 581-606.	1.6	66
36	Distribution of Î±2-adrenergic receptors in the human brainstem: An autoradiographic study using [3H]p-aminoclonidine. European Journal of Pharmacology, 1984, 106, 477-488.	3.5	65

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37	Differential regional distribution of AMPA receptor subunit messenger RNAs in the human spinal cord as visualized by in situ hybridization. Neuroscience, 1996, 75, 901-915.	2.3	64
38	Acute 5-HT1A autoreceptor knockdown increases antidepressant responses and serotonin release in stressful conditions. Psychopharmacology, 2013, 225, 61-74.	3.1	64
39	Mapping receptors in the human brain. Trends in Neurosciences, 1986, 9, 284-289.	8.6	62
40	GABAB receptor mRNA in the raphe nuclei: co-expression with serotonin transporter and glutamic acid decarboxylase. Journal of Neurochemistry, 2003, 84, 743-752.	3.9	59
41	Neurotransmitter receptors in the avian brain. II. Muscarinic cholinergic receptors. Brain Research, 1988, 439, 360-365.	2.2	57
42	Polyamines in the basal ganglia of human brain. Influence of aging and degenerative movement disorders. Neuroscience Letters, 2001, 304, 107-111.	2.1	57
43	Distribution patterns of CCK and CCK mRNA in some neuronal and non-neuronal tissues. Neuropeptides, 1991, 19, 31-43.	2.2	55
44	Regional development of muscarinic cholinergic binding sites in the prenatal rat brain. Neuroscience, 1991, 45, 347-357.	2.3	54
45	Differential modification of muscarinic cholinergic receptors in the hippocampus of patients with Alzheimer's disease: an autoradiographic study. Brain Research, 1988, 450, 190-201.	2.2	48
46	Distribution of AMPA receptor subunit mRNAs in the human basal ganglia: an in situ hybridization study. Molecular Brain Research, 1997, 46, 281-289.	2.3	47
47	Neurotransmitter receptors in the avian brain. III. GABA-benzodiazepine receptors. Brain Research, 1988, 439, 366-371.	2.2	46
48	Thyrotropin-Releasing Hormone Receptor Binding Sites: Autoradiographic Distribution in the Rat and Guinea Pig Brain. Journal of Neurochemistry, 1985, 45, 1448-1463.	3.9	45
49	The distribution of serotonin receptors in the human brain: high density of [3H]LSD binding sites in the raphe nuclei of the brainstem. Brain Research, 1983, 274, 150-155.	2.2	44
50	RNAi-mediated serotonin transporter suppression rapidly increases serotonergic neurotransmission and hippocampal neurogenesis. Translational Psychiatry, 2013, 3, e211-e211.	4.8	43
51	Basal and stimulated extracellular serotonin concentration in the brain of rats with altered serotonin uptake. , 1998, 28, 313-321.		42
52	Expression of 5-HT2A receptors in prefrontal cortex pyramidal neurons projecting to nucleus accumbens. Potential relevance for atypical antipsychotic action. Neuropharmacology, 2014, 79, 49-58.	4.1	42
53	Decreased densities of dopamine D1 receptors in the putamen and hippocampus in senile dementia of the Alzheimer type. Brain Research, 1988, 475, 164-167.	2.2	41
54	Preclinical and clinical characterization of the selective 5â€HT_{1A} receptor antagonist DUâ€125530 for antidepressant treatment. British Journal of Pharmacology, 2012, 167, 1021-1034.	5.4	40

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55	Simultaneous projections from prefrontal cortex to dopaminergic and serotonergic nuclei. International Journal of Neuropsychopharmacology, 2011, 14, 289-302.	2.1	38
56	Cartography of 5-HT_{1A} and 5-HT_{2A} Receptor Subtypes in Prefrontal Cortex and Its Projections. ACS Chemical Neuroscience, 2015, 6, 1089-1098.	3.5	33
57	Receptor Plasticity in the Human Brain: Some Autoradiographic Studies. Journal of Receptors and Signal Transduction, 1987, 7, 581-597.	1.2	29
58	Flip and flop splice variants of AMPA receptor subunits in the spinal cord of amyotrophic lateral sclerosis. Synapse, 2002, 45, 245-249.	1.2	29
59	Some Aspects on the Anatomy and Function of Central Cholecystokinin Systems. Basic and Clinical Pharmacology and Toxicology, 2002, 91, 382-386.	0.0	28
60	Evidence for upregulation of galanin synthesis in rat glial cells in vivo after colchicine treatment. Neuroscience Letters, 1992, 145, 185-188.	2.1	27
61	Distribution of 5-HT Receptors in the Central Nervous System. Handbook of Behavioral Neuroscience, 2010, , 123-138.	0.7	27
62	p-Chlorophenylalanine Increases Tryptophan-5-Hydroxylase mRNA Levels in the Rat Dorsal Raphe: A Time Course Study Using In Situ Hybridization. Journal of Neurochemistry, 1993, 60, 761-764.	3.9	26
63	Displacement of the binding of 5-HT1A receptor ligands to pre- and postsynaptic receptors by (-)pindolol. A comparative study in rodent, primate and human brain. , 1999, 34, 68-76.		25
64	Neuroprotection induced by the adenosine A2A antagonist CSC in the 6-OHDA rat model of parkinsonism: effect on the activity of striatal output pathways. Experimental Brain Research, 2005, 165, 362-374.	1.5	25
65	Distribution of [3H]diadenosine tetraphosphate binding sites in rat brain. Neuroscience, 1997, 77, 247-255.	2.3	23
66	5-ht5BReceptor mRNA in the raphe nuclei: Coexpression with serotonin transporter. Synapse, 2004, 51, 102-111.	1.2	21
67	Effects of early vs. late initiation of levodopa treatment in hemiparkinsonian rats. European Journal of Neuroscience, 2009, 30, 823-832.	2.6	21
68	Beta-Adrenergic Binding Sites in Fetal Rat Central Nervous System and Pineal Gland: Their Relation to Other Receptor Sites. Developmental Pharmacology and Therapeutics, 1987, 10, 422-435.	0.2	20
69	Antiserum raised against residues 159-168 of the guanine nucleotide-binding protein Gi3-alpha reacts with ependymal cells and some neurons in the rat brain containing cholecystokinin- or cholecystokinin- and tyrosine 3-hydroxylase-like immunoreactivities.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 9351-9355.	7.1	17
70	Chemical Neuroanatomy of 5-HT Receptor Subtypes in the Mammalian Brain. Receptors, 2006, , 319-364.	0.2	16
71	Immunohistochemical study of cholecystokinin peptide in rat spinal motoneurons. Synapse, 1991, 9, 103-110.	1.2	15
72	Reversion of levodopa-induced motor fluctuations by the A2A antagonist CSC is associated with an increase in striatal preprodynorphin mRNA expression in 6-OHDA-lesioned rats. Synapse, 2006, 59, 435-444.	1.2	15

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73	Lipopolysaccharide administration in vivo induces differential expression of cAMPâ€specific phosphodiesterase 4B mRNA splice variants in the mouse brain. Journal of Neuroscience Research, 2011, 89, 1761-1772.	2.9	13
74	Concomitant short- and long-duration response to levodopa in the 6-OHDA-lesioned rat: a behavioural and molecular study. European Journal of Neuroscience, 2007, 25, 259-269.	2.6	12
75	From unilateral to bilateral parkinsonism: Effects of lateralization on dyskinesias and associated molecular mechanisms. Neuropharmacology, 2015, 97, 365-375.	4.1	12
76	An autoradiographic study of the influence of pindolol upon [35S]GTPÎ³S binding in rat, guinea pig and human brain. International Journal of Neuropsychopharmacology, 2004, 7, 27-34.	2.1	11
77	New antidepressant strategy based on acute siRNA silencing of 5-HT1A autoreceptors. Molecular Psychiatry, 2012, 17, 567-567.	7.9	11
78	Chronic effects of corticosterone on GIRK1-3 subunits and 5-HT1A receptor expression in rat brain and their reversal by concurrent fluoxetine treatment. European Neuropsychopharmacology, 2013, 23, 229-239.	0.7	11
79	Autoradiographic localization of muscarinic cholinergic receptors in visual areas of cat brain: Variations in sensitivity of binding sites to carbachol and pirenzepine. Neuroscience Letters, 1987, 81, 13-18.	2.1	10
80	Flip and flop variants of AMPA receptor subunits in the human cerebellum: Implication for the selective vulnerability of purkinje cells. , 1999, 31, 163-167.		10
81	Entacapone potentiates the long-duration response but does not normalize levodopa-induced molecular changes. Neurobiology of Disease, 2008, 32, 340-348.	4.4	10
82	Early L-dopa, but not pramipexole, restores basal ganglia activity in partially 6-OHDA-lesioned rats. Neurobiology of Disease, 2014, 64, 36-47.	4.4	10
83	Quantitative Receptor Autoradiography: Application to the Characterization of Multiple Receptor Subtypes. Journal of Receptors and Signal Transduction, 1984, 4, 645-656.	1.2	8
84	Subthalamic 6-OHDA-induced lesion attenuates levodopa-induced dyskinesias in the rat model of Parkinson's disease. Experimental Neurology, 2013, 250, 304-312.	4.1	8
85	Strategies to Optimize the Antidepressant Action of Selective Serotonin Reuptake Inhibitors. , 1997, , 1-33.		8
86	[3H]CNQX and NMDA-Sensitive [3H]Glutamate Binding Sites and AMPA Receptor Subunit RNA Transcripts in the Striatum of Normal and Weaver Mutant Mice and Effects of Ventral Mesencephalic Grafts. Cell Transplantation, 1999, 8, 11-23.	2.5	7
87	6-Azabicyclo[3.2.1]octane derivatives. Tetrahedron, 1983, 39, 1723-1728.	1.9	6
88	NMDA receptors in frontal cortex and hippocampus of alcohol consumers. Addiction Biology, 2011, 16, 163-165.	2.6	6
89	Calcium Entry Blockers: Autoradiographic Mapping of Their Binding Sites in Rat Brain. Progress in Brain Research, 1985, 63, 89-95.	1.4	5
90	Receptors in Human Brain Diseases: A use for Receptor Autoradiography in Neuropathology. Journal of Receptors and Signal Transduction, 1988, 8, 509-520.	1.2	5

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91	The kappa opioid agonist U50,488 potentiates 6-hydroxydopamine-induced neurotoxicity on dopaminergic neurons. Experimental Neurology, 2005, 191, 41-52.	4.1	3
92	Visualization of 5â€HT Receptors Using Radioligandâ€Binding Autoradiography. Current Protocols in Pharmacology, 2016, 75, 8.3.1-8.3.20.	4.0	1
93	Displacement of the binding of 5â€HT1A receptor ligands to preâ€and postsynaptic receptors by (â€)pindolol. A comparative study in rodent, primate and human brain. Synapse, 1999, 34, 68-76.	1.2	1