

# Roser Cortes

## List of Publications by Year in descending order

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93  
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citations

50244

46  
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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. <i>Brain Research</i> , 1985, 346, 231-249.	1.1	855
2	Neuropeptide expression in rat dorsal root ganglion cells and spinal cord after peripheral nerve injury with special reference to galanin. <i>Neuroscience</i> , 1989, 33, 587-604.	1.1	449
3	Dopamine receptors in human brain: Autoradiographic distribution of D2 sites. <i>Neuroscience</i> , 1989, 28, 275-290.	1.1	270
4	Muscarinic cholinergic receptor subtypes in the rat brain. I. Quantitative autoradiographic studies. <i>Brain Research</i> , 1986, 362, 227-238.	1.1	229
5	Differential effects of intracerebroventricular colchicine administration on the expression of mRNAs for neuropeptides and neurotransmitter enzymes, with special emphasis on galanin: An in situ Hybridization Study. <i>Synapse</i> , 1990, 6, 369-391.	0.6	217
6	Autoradiography of antidepressant binding sites in the human brain: localization using [3H]imipramine and [3H]paroxetine. <i>Neuroscience</i> , 1988, 27, 473-496.	1.1	204
7	Phosphodiesterase type 4 isozymes expression in human brain examined by in situ hybridization histochemistry and [3H]rolipram binding autoradiography. <i>Journal of Chemical Neuroanatomy</i> , 2000, 20, 349-374.	1.0	202
8	Muscarinic cholinergic receptor subtypes in the human brain. II. Quantitative autoradiographic studies. <i>Brain Research</i> , 1986, 362, 239-253.	1.1	197
9	Peptides and transmitter enzymes in hypothalamic magnocellular neurons after administration of hyperosmotic stimuli: comparison between messenger RNA and peptide/protein levels. <i>Cell and Tissue Research</i> , 1990, 260, 279-297.	1.5	168
10	Dopamine receptors in human brain: Autoradiographic distribution of D1 sites. <i>Neuroscience</i> , 1989, 28, 263-273.	1.1	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. <i>Journal of Neural Transmission</i> , 1984, 60, 169-197.	1.4	151
12	Distribution of somatostatin receptors in the human brain: An autoradiographic study. <i>Neuroscience</i> , 1986, 18, 329-346.	1.1	144
13	Quantitative light microscopic autoradiographic localization of cholinergic muscarinic receptors in the human brain: Forebrain. <i>Neuroscience</i> , 1987, 20, 65-107.	1.1	142
14	Benzodiazepine receptor sites in the human brain: Autoradiographic mapping. <i>Neuroscience</i> , 1988, 25, 771-795.	1.1	137
15	$\alpha_1$ -adrenoceptors in the mammalian brain: similar pharmacology but different distribution in rodents and primates. <i>Brain Research</i> , 1987, 419, 65-75.	1.1	130
16	The distribution of glycine receptors in the human brain. A light microscopic autoradiographic study using [3H]strychnine. <i>Neuroscience</i> , 1986, 17, 11-35.	1.1	128
17	5-HT receptors in mammalian brain: receptor autoradiography and in situ hybridization studies of new ligands and newly identified receptors. <i>The Histochemical Journal</i> , 1996, 28, 747-758.	0.6	127
18	Quantitative light microscopic autoradiographic localization of cholinergic muscarinic receptors in the human brain: Brainstem. <i>Neuroscience</i> , 1984, 12, 1003-1026.	1.1	123

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19	Serotonin 5-HT <sub>4</sub> receptors and their mRNAs in rat and guinea pig brain: Distribution and effects of neurotoxic lesions. <i>Journal of Comparative Neurology</i> , 2005, 484, 418-439.	0.9	121
20	Multiple opiate receptor in human brain: An autoradiographic investigation. <i>Life Sciences</i> , 1983, 33, 231-234.	2.0	118
21	Effect of reserpine and colchicine on neuropeptide mRNA levels in the rat hypothalamic paraventricular nucleus. <i>Molecular Brain Research</i> , 1991, 9, 57-69.	2.5	117
22	Expression of serotonin 5-HT <sub>2C</sub> receptors in GABAergic cells of the anterior raphe nuclei. <i>Journal of Chemical Neuroanatomy</i> , 2005, 29, 83-91.	1.0	117
23	Calcitonin Gene-Related Peptide in the Brain, Spinal Cord, and Some Peripheral Systems. <i>Annals of the New York Academy of Sciences</i> , 1992, 657, 119-134.	1.8	113
24	Localization of 5-HT <sub>4</sub> receptor mRNA in rat brain by in situ hybridization histochemistry. <i>Molecular Brain Research</i> , 1996, 43, 356-360.	2.5	111
25	Selective siRNA-mediated suppression of 5-HT <sub>1A</sub> autoreceptors evokes strong anti-depressant-like effects. <i>Molecular Psychiatry</i> , 2012, 17, 612-623.	4.1	111
26	Alterations on phosphodiesterase type 7 and 8 isozyme mRNA expression in Alzheimer's disease brains examined by in situ hybridization. <i>Experimental Neurology</i> , 2003, 182, 322-334.	2.0	110
27	Dopamine receptors in human brain: autoradiographic distribution of D <sub>1</sub> and D <sub>2</sub> sites in Parkinson syndrome of different etiology. <i>Brain Research</i> , 1989, 483, 30-38.	1.1	107
28	Dopamine- and cAMP-regulated phosphoprotein (DARPP-32) and dopamine DA <sub>1</sub> agonist-sensitive Na <sup>+</sup> ,K <sup>+</sup> -ATPase in renal tubule cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 8068-8072.	3.3	96
29	Pyramidal Neurons in Rat Prefrontal Cortex Projecting to Ventral Tegmental Area and Dorsal Raphe Nucleus Express 5-HT <sub>2A</sub> Receptors. <i>Cerebral Cortex</i> , 2009, 19, 1678-1686.	1.6	87
30	The effects of lesions in the rat hippocampus suggest the association of calcium channel blocker binding sites with specific neuronal population. <i>Neuroscience Letters</i> , 1983, 42, 249-254.	1.0	82
31	Effects of central nervous system lesions on the expression of galanin: a comparative in situ hybridization and immunohistochemical study.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 7742-7746.	3.3	76
32	Neuropeptide gene expression in hypothalamic magnocellular neurons of normal and hypophysectomized rats: A combined immunohistochemical and in situ hybridization study. <i>Neuroscience</i> , 1990, 36, 181-199.	1.1	74
33	Dopamine release induced by atypical antipsychotics in prefrontal cortex requires 5-HT <sub>1A</sub> receptors but not 5-HT <sub>2A</sub> receptors. <i>International Journal of Neuropsychopharmacology</i> , 2010, 13, 1299-1314.	1.0	67
34	Distinct topographical localisation of two somatostatin receptor subpopulations in the human cortex. <i>Brain Research</i> , 1987, 406, 391-396.	1.1	66
35	Distribution and neurochemical characterization of neurons expressing GIRK channels in the rat brain. <i>Journal of Comparative Neurology</i> , 2008, 510, 581-606.	0.9	66
36	Distribution of $\beta$ -2-adrenergic receptors in the human brainstem: An autoradiographic study using [3H]p-aminoclonidine. <i>European Journal of Pharmacology</i> , 1984, 106, 477-488.	1.7	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. <i>Neuroscience</i> , 1996, 75, 901-915.	1.1	64
38	Acute 5-HT <sub>1A</sub> autoreceptor knockdown increases antidepressant responses and serotonin release in stressful conditions. <i>Psychopharmacology</i> , 2013, 225, 61-74.	1.5	64
39	Mapping receptors in the human brain. <i>Trends in Neurosciences</i> , 1986, 9, 284-289.	4.2	62
40	GABAB receptor mRNA in the raphe nuclei: co-expression with serotonin transporter and glutamic acid decarboxylase. <i>Journal of Neurochemistry</i> , 2003, 84, 743-752.	2.1	59
41	Neurotransmitter receptors in the avian brain. II. Muscarinic cholinergic receptors. <i>Brain Research</i> , 1988, 439, 360-365.	1.1	57
42	Polyamines in the basal ganglia of human brain. Influence of aging and degenerative movement disorders. <i>Neuroscience Letters</i> , 2001, 304, 107-111.	1.0	57
43	Distribution patterns of CCK and CCK mRNA in some neuronal and non-neuronal tissues. <i>Neuropeptides</i> , 1991, 19, 31-43.	0.9	55
44	Regional development of muscarinic cholinergic binding sites in the prenatal rat brain. <i>Neuroscience</i> , 1991, 45, 347-357.	1.1	54
45	Differential modification of muscarinic cholinergic receptors in the hippocampus of patients with Alzheimer's disease: an autoradiographic study. <i>Brain Research</i> , 1988, 450, 190-201.	1.1	48
46	Distribution of AMPA receptor subunit mRNAs in the human basal ganglia: an in situ hybridization study. <i>Molecular Brain Research</i> , 1997, 46, 281-289.	2.5	47
47	Neurotransmitter receptors in the avian brain. III. GABA-benzodiazepine receptors. <i>Brain Research</i> , 1988, 439, 366-371.	1.1	46
48	Thyrotropin-Releasing Hormone Receptor Binding Sites: Autoradiographic Distribution in the Rat and Guinea Pig Brain. <i>Journal of Neurochemistry</i> , 1985, 45, 1448-1463.	2.1	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. <i>Brain Research</i> , 1983, 274, 150-155.	1.1	44
50	RNAi-mediated serotonin transporter suppression rapidly increases serotonergic neurotransmission and hippocampal neurogenesis. <i>Translational Psychiatry</i> , 2013, 3, e211-e211.	2.4	43
51	Basal and stimulated extracellular serotonin concentration in the brain of rats with altered serotonin uptake. <i>Neuroscience</i> , 1998, 28, 313-321.		42
52	Expression of 5-HT <sub>2A</sub> receptors in prefrontal cortex pyramidal neurons projecting to nucleus accumbens. Potential relevance for atypical antipsychotic action. <i>Neuropharmacology</i> , 2014, 79, 49-58.	2.0	42
53	Decreased densities of dopamine D1 receptors in the putamen and hippocampus in senile dementia of the Alzheimer type. <i>Brain Research</i> , 1988, 475, 164-167.	1.1	41
54	Preclinical and clinical characterization of the selective 5-HT <sub>1A</sub> receptor antagonist DU125530 for antidepressant treatment. <i>British Journal of Pharmacology</i> , 2012, 167, 1021-1034.	2.7	40

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55	Simultaneous projections from prefrontal cortex to dopaminergic and serotonergic nuclei. <i>International Journal of Neuropsychopharmacology</i> , 2011, 14, 289-302.	1.0	38
56	Cartography of 5-HT <sub>1A</sub> and 5-HT <sub>2A</sub> Receptor Subtypes in Prefrontal Cortex and Its Projections. <i>ACS Chemical Neuroscience</i> , 2015, 6, 1089-1098.	1.7	33
57	Receptor Plasticity in the Human Brain: Some Autoradiographic Studies. <i>Journal of Receptors and Signal Transduction</i> , 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. <i>Synapse</i> , 2002, 45, 245-249.	0.6	29
59	Some Aspects on the Anatomy and Function of Central Cholecystokinin Systems. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2002, 91, 382-386.	0.0	28
60	Evidence for upregulation of galanin synthesis in rat glial cells in vivo after colchicine treatment. <i>Neuroscience Letters</i> , 1992, 145, 185-188.	1.0	27
61	Distribution of 5-HT Receptors in the Central Nervous System. <i>Handbook of Behavioral Neuroscience</i> , 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. <i>Journal of Neurochemistry</i> , 1993, 60, 761-764.	2.1	26
63	Displacement of the binding of 5-HT <sub>1A</sub> 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 A <sub>2A</sub> antagonist CSC in the 6-OHDA rat model of parkinsonism: effect on the activity of striatal output pathways. <i>Experimental Brain Research</i> , 2005, 165, 362-374.	0.7	25
65	Distribution of [3H]diadenosine tetraphosphate binding sites in rat brain. <i>Neuroscience</i> , 1997, 77, 247-255.	1.1	23
66	5-HT <sub>2B</sub> Receptor mRNA in the raphe nuclei: Coexpression with serotonin transporter. <i>Synapse</i> , 2004, 51, 102-111.	0.6	21
67	Effects of early vs. late initiation of levodopa treatment in hemiparkinsonian rats. <i>European Journal of Neuroscience</i> , 2009, 30, 823-832.	1.2	21
68	Beta-Adrenergic Binding Sites in Fetal Rat Central Nervous System and Pineal Gland: Their Relation to Other Receptor Sites. <i>Developmental Pharmacology and Therapeutics</i> , 1987, 10, 422-435.	0.2	20
69	Antiserum raised against residues 159-168 of the guanine nucleotide-binding protein Gi <sub>3</sub> -alpha reacts with ependymal cells and some neurons in the rat brain containing cholecystokinin- or cholecystokinin- and tyrosine 3-hydroxylase-like immunoreactivities.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988, 85, 9351-9355.	3.3	17
70	Chemical Neuroanatomy of 5-HT Receptor Subtypes in the Mammalian Brain. <i>Receptors</i> , 2006, , 319-364.	0.2	16
71	Immunohistochemical study of cholecystokinin peptide in rat spinal motoneurons. <i>Synapse</i> , 1991, 9, 103-110.	0.6	15
72	Reversion of levodopa-induced motor fluctuations by the A <sub>2A</sub> antagonist CSC is associated with an increase in striatal preprodynorphin mRNA expression in 6-OHDA-lesioned rats. <i>Synapse</i> , 2006, 59, 435-444.	0.6	15

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73	Lipopolysaccharide administration in vivo induces differential expression of cAMP-specific phosphodiesterase 4B mRNA splice variants in the mouse brain. <i>Journal of Neuroscience Research</i> , 2011, 89, 1761-1772.	1.3	13
74	Concomitant short- and long-duration response to levodopa in the 6-OHDA-lesioned rat: a behavioural and molecular study. <i>European Journal of Neuroscience</i> , 2007, 25, 259-269.	1.2	12
75	From unilateral to bilateral parkinsonism: Effects of lateralization on dyskinesias and associated molecular mechanisms. <i>Neuropharmacology</i> , 2015, 97, 365-375.	2.0	12
76	An autoradiographic study of the influence of pindolol upon [ <sup>35</sup> S]GTPγS binding in rat, guinea pig and human brain. <i>International Journal of Neuropsychopharmacology</i> , 2004, 7, 27-34.	1.0	11
77	New antidepressant strategy based on acute siRNA silencing of 5-HT1A autoreceptors. <i>Molecular Psychiatry</i> , 2012, 17, 567-567.	4.1	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. <i>European Neuropsychopharmacology</i> , 2013, 23, 229-239.	0.3	11
79	Autoradiographic localization of muscarinic cholinergic receptors in visual areas of cat brain: Variations in sensitivity of binding sites to carbachol and pirenzepine. <i>Neuroscience Letters</i> , 1987, 81, 13-18.	1.0	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. <i>Neurobiology of Disease</i> , 2008, 32, 340-348.	2.1	10
82	Early L-dopa, but not pramipexole, restores basal ganglia activity in partially 6-OHDA-lesioned rats. <i>Neurobiology of Disease</i> , 2014, 64, 36-47.	2.1	10
83	Quantitative Receptor Autoradiography: Application to the Characterization of Multiple Receptor Subtypes. <i>Journal of Receptors and Signal Transduction</i> , 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. <i>Experimental Neurology</i> , 2013, 250, 304-312.	2.0	8
85	Strategies to Optimize the Antidepressant Action of Selective Serotonin Reuptake Inhibitors. , 1997, , 1-33.		8
86	[ <sup>3</sup> H]CNQX and NMDA-Sensitive [ <sup>3</sup> H]Glutamate Binding Sites and AMPA Receptor Subunit RNA Transcripts in the Striatum of Normal and Weaver Mutant Mice and Effects of Ventral Mesencephalic Grafts. <i>Cell Transplantation</i> , 1999, 8, 11-23.	1.2	7
87	6-Azabicyclo[3.2.1]octane derivatives. <i>Tetrahedron</i> , 1983, 39, 1723-1728.	1.0	6
88	NMDA receptors in frontal cortex and hippocampus of alcohol consumers. <i>Addiction Biology</i> , 2011, 16, 163-165.	1.4	6
89	Calcium Entry Blockers: Autoradiographic Mapping of Their Binding Sites in Rat Brain. <i>Progress in Brain Research</i> , 1985, 63, 89-95.	0.9	5
90	Receptors in Human Brain Diseases: A use for Receptor Autoradiography in Neuropathology. <i>Journal of Receptors and Signal Transduction</i> , 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. <i>Experimental Neurology</i> , 2005, 191, 41-52.	2.0	3
92	Visualization of 5-HT Receptors Using Radioligand Binding Autoradiography. <i>Current Protocols in Pharmacology</i> , 2016, 75, 8.3.1-8.3.20.	4.0	1
93	Displacement of the binding of 5-HT <sub>1A</sub> receptor ligands to pre- and postsynaptic receptors by (-)-pindolol. A comparative study in rodent, primate and human brain. <i>Synapse</i> , 1999, 34, 68-76.	0.6	1