Renato Corradetti

List of Publications by Year
in descending order

94 papers	4,903 citations	147801 31 h-index	91884 69 g-index
100 all docs	100 docs citations	100 times ranked	4044 citing authors

#	Article	IF	Citations
1	Giant synaptic potentials in immature rat CA3 hippocampal neurones.. Journal of Physiology, 1989, 416, 303-325.	2.9	1,156
2	Electrophysiological, biochemical, neurohormonal and behavioural studies with WAY-100635, a potent, selective and silent 5-HT1A receptor antagonist. Behavioural Brain Research, 1995, 73, 337-353.	2.2	461
3	Adenosine decreases aspartate and glutamate release from rat hippocampal slices. European Journal of Pharmacology, 1984, 104, 19-26.	3.5	334
4	Phosphorylation of the presynaptic protein B-50 (GAP-43) is increased during electrically induced long-term potentiation. Neuron, 1992, 8, 843-848.	8.1	167
5	GABA mediated excitation in immature rat CA3 hippocampal neurons. International Journal of Developmental Neuroscience, 1990, 8, 481-490.	1.6	161
6	Purinergic signalling in brain ischemia. Neuropharmacology, 2016, 104, 105-130.	4.1	135
7	Serotonin blocks the long-term potentiation induced by primed burst stimulation in the CA1 region of rat hippocampal slices. Neuroscience, 1992, 46, 511-518.	2.3	131
8	Extracellular adenosine concentrations during in vitro ischaemia in rat hippocampal slices. British Journal of Pharmacology, 1999, 127, 729-739.	5.4	115
9	Improvement in Fear Memory by Histamine-Elicited ERK2 Activation in Hippocampal CA3 Cells. Journal of Neuroscience, 2003, 23, 9016-9023.	3.6	103
10	Suppression of Serotonin Neuron Firing Increases Aggression in Mice. Journal of Neuroscience, 2013, 33, 8678-8688.	3.6	95
11	Impacts of Brain Serotonin Deficiency following Tph2 Inactivation on Development and Raphe Neuron Serotonergic Specification. PLoS ONE, 2012, 7, e43157.	2.5	95
12	Sporadic Autonomic Dysregulation and Death Associated with Excessive Serotonin Autoinhibition. Science, 2008, 321, 130-133.	12.6	90
13	Brief, repeated, oxygenâ€glucose deprivation episodes protect neurotransmission from a longer ischemic episode in the in vitro hippocampus: role of adenosine receptors. British Journal of Pharmacology, 2003, 140, 305-314.	5.4	89
14	A3 adenosine receptor antagonists delay irreversible synaptic failure caused by oxygen and glucose deprivation in the rat CA1 hippocampus in vitro. British Journal of Pharmacology, 2006, 147, 524-532.	5.4	71
15	Electrical Stimulation of the Stratum Radiatum Increases the Release and Neosynthesis of Aspartate, Glutamate, and ?-Aminobutyric Acid in Rat Hippocampal Slices. Journal of Neurochemistry, 1983, 41, 1518-1525.	3.9	70
16	Antagonist properties of (â^)-pindolol and WAY 100635 at somatodendritic and postsynaptic 5-HT1A receptors in the rat brain. British Journal of Pharmacology, 1998, 123, 449-462.	5.4	69
17	The allosteric glycine site of the N-methyl-D-aspartate receptor modulates GABAergic-mediated synaptic events in neonatal rat CA3 hippocampal neurons.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 343-346.	7.1	61
18	Role of adenosine A3 receptors on CA1 hippocampal neurotransmission during oxygenâ€“glucose deprivation episodes of different duration. Biochemical Pharmacology, 2007, 74, 768-779.	4.4	61

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19	Effect of A2A adenosine receptor stimulation and antagonism on synaptic depression induced by in vitro ischaemia in rat hippocampal slices. British Journal of Pharmacology, 1999, 128, 1035-1044.	5.4	58
20	Brain plasticity and cognitive functions after ethanol consumption in C57BL/6J mice. Translational Psychiatry, 2015, 5, e696-e696.	4.8	57
21	The release of endogenous GABA and glutamate from the cerebral cortex in the rat. Naunyn-Schmiedeberg's Archives of Pharmacology, 1981, 316, 235-239.	3.0	51
22	Biochemical and electrophysiological studies on (S)-(+)-2-(3â€²-carboxybicyclo[1.1.1]pentyl)-glycine (CBPG), a novel mGlu5 receptor agonist endowed with mGlu1 receptor antagonist activity. Neuropharmacology, 1999, 38, 917-926.	4.1	50
23	Temporal correlation between adenosine outflow and synaptic potential inhibition in rat hippocampal slices during ischemia-like conditions. Brain Research, 1998, 794, 325-328.	2.2	48
24	Effects of DAU 6215, a novel 5â€hydroxytryptamine₃ (5â€HT₃) antagonist on electrophysiological properties of the rat hippocampus. British Journal of Pharmacology, 1994, 112, 695-703.	5.4	45
25	Electrophysiological effects of N-(2-(4-(2-methoxyphenyl)-1-piperazinyl)ethyl)-N-(2-pyridinyl) cyclohexane carboxamide (WAY 100635) on dorsal raphe serotonergic neurons and CA1 hippocampal pyramidal cells in vitro. Journal of Pharmacology and Experimental Therapeutics, 1996, 278, 679-88.	2.5	45
26	Firing Properties of Genetically Identified Dorsal Raphe Serotonergic Neurons in Brain Slices. Frontiers in Cellular Neuroscience, 2016, 10, 195.	3.7	43
27	Pharmacological Characterization of 5-HT1A Autoreceptor-Coupled GIRK Channels in Rat Dorsal Raphe 5-HT Neurons. PLoS ONE, 2015, 10, e0140369.	2.5	42
28	Endogenous 5-HT, released by MDMA through serotonin transporter- and secretory vesicle-dependent mechanisms, reduces hippocampal excitatory synaptic transmission by preferential activation of 5-HT1B receptors located on CA1 pyramidal neurons. European Journal of Neuroscience, 2003, 18, 1559-1571.	2.6	40
29	Effect of the nootropic drug oxiracetam on field potentials of rat hippocampal slices. British Journal of Pharmacology, 1990, 99, 189-193.	5.4	38
30	Effect of the selective 5-HT1A receptor antagonist WAY 100635 on the inhibition of e.p.s.ps produced by 5-HT in the CA1 region of rat hippocampal slices. British Journal of Pharmacology, 1998, 124, 93-100.	5.4	37
31	5â€HT4 receptor activation induces longâ€lasting EPSPâ€spike potentiation in CA1 pyramidal neurons. European Journal of Neuroscience, 2006, 24, 719-731.	2.6	36
32	Mobilization of cellular choline by stimulation of muscarine receptors in isolated chicken heart and rat cortex in vivo. Journal of Pharmacology and Experimental Therapeutics, 1983, 226, 826-32.	2.5	35
33	Modulation of GABA-mediated Synaptic Potentials by Glutamatergic Agonists in Neonatal CA3 Rat Hippocampal Neurons. European Journal of Neuroscience, 1991, 3, 301-309.	2.6	31
34	Pharmacological characterization of 5-HT1B receptor-mediated inhibition of local excitatory synaptic transmission in the CA1 region of rat hippocampus. British Journal of Pharmacology, 2003, 138, 71-80.	5.4	30
35	Consensus Document on European Brain Research. European Journal of Neuroscience, 2011, 33, 768-818.	2.6	29
36	Levels and Synthesis of Glutamate and Aspartate in the Olfactory Cortex Following Bulbectomy. Journal of Neurochemistry, 1983, 41, 135-138.	3.9	28

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37	Actylcholine output from the cerebral cortex, choline uptake and muscarinic receptors in morphine-dependent, freely-moving rats. Neuropharmacology, 1980, 19, 597-605.	4.1	26
38	Oncogenes, protein kinase C, neuronal differentiation and memory. Neurochemistry International, 1989, 14, 1-9.	3.8	26
39	Brain Histamine Is Crucial for Selective Serotonin Reuptake Inhibitorsâ€˜ Behavioral and Neurochemical Effects. International Journal of Neuropsychopharmacology, 2015, 18, pyv045.	2.1	26
40	Conservation of 5-HT1A receptor-mediated autoinhibition of serotonin (5-HT) neurons in mice with altered 5-HT homeostasis. Frontiers in Pharmacology, 2013, 4, 97.	3.5	25
41	Serotonin Deficiency Increases Context-Dependent Fear Learning Through Modulation of Hippocampal Activity. Frontiers in Neuroscience, 2019, 13, 245.	2.8	25
42	GABA-receptor stimulation enhances norepinephrine-induced polyphosphoinositide metabolism in rat hippocampal slices. Brain Research, 1987, 411, 196-199.	2.2	24
43	Chapter 23 Chapter GABAergic mechanisms in the CA3 hippocampal region during early postnatal life. Progress in Brain Research, 1990, 83, 313-321.	1.4	23
44	Nonexocytotic serotonin release tonically suppresses serotonergic neuron activity. Journal of General Physiology, 2015, 145, 225-251.	1.9	23
45	Physostigmine facilitates choline efflux from isolated heart and cortex in vivo. European Journal of Pharmacology, 1982, 85, 123-124.	3.5	22
46	Flunarizineâ€Induced Parkinsonism in the Elderly. Journal of Clinical Pharmacology, 1988, 28, 600-608.	2.0	22
47	Epsp-spike potentiation during primed burst-induced long-term potentiation in the ca1 region of rat hippocampal slices. Neuroscience, 1994, 62, 1021-1032.	2.3	22
48	EFFECTS OF 4â€AMINOPYRIDINE ON ACETYLCHOLINE OUTPUT FROM THE CEREBRAL CORTEX OF THE RAT in vivo. British Journal of Pharmacology, 1982, 76, 439-445.	5.4	21
49	Pharmacological characterization of Dâ€aminophosphonovaleric acid antagonism of amino acid and synaptically evoked excitations on frog motoneurones in vitro: an intracellular study. British Journal of Pharmacology, 1985, 86, 19-25.	5.4	21
50	The protein kinase C inhibitor 1â€(5â€isoquinolinesulphonyl)â€2â€methylpiperazine (Hâ€7) disinhibits CA1 pyramidal cells in rat hippocampal slices. British Journal of Pharmacology, 1989, 98, 1376-1382.	5.4	21
51	Disappearance of low affinity adenosine binding sites in aging rat cerebral cortex and hippocampus. Neuroscience Letters, 1984, 49, 143-146.	2.1	20
52	Chronic caffeine treatment reduces caffeine but not adenosine effects on cortical acetylcholine release. British Journal of Pharmacology, 1986, 88, 671-676.	5.4	20
53	Endogenous serotonin facilitates hippocampal long-term potentiation at CA3/CA1 synapses. Journal of Neural Transmission, 2015, 122, 177-185.	2.8	20
54	A comparison of the effects of GABA, 3-aminopropanesulphonic acid and imidazoleacetic acid on the frog spinal cord. Neuropharmacology, 1978, 17, 13-19.	4.1	18

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55	Differential autoinhibition of 5-hydroxytryptamine neurons by 5-hydroxytryptamine in the dorsal raphe nucleus. NeuroReport, 2005, 16, 1351-1355.	1.2	18
56	Cellular resilience: 5-HT neurons in Tph2â^'/â^' mice retain normal firing behavior despite the lack of brain 5-HT. European Neuropsychopharmacology, 2015, 25, 2022-2035.	0.7	17
57	Enhanced hippocampal long-term potentiation following repeated MDMA treatment in Darkâ€“Agouti rats. European Neuropsychopharmacology, 2011, 21, 80-91.	0.7	16
58	Phospholipase C activation induced by noradrenaline in rat hippocampal slices is potentiated by GABA-receptor stimulation.. EMBO Journal, 1987, 6, 1595-1598.	7.8	15
59	Electrophysiological studies on oxindole, a neurodepressant tryptophan metabolite. British Journal of Pharmacology, 1998, 125, 1751-1760.	5.4	15
60	Muscarinic mobilization of choline in rat cerebral cortex does not involve alterations of blood-brain barrier. Brain Research, 1985, 345, 306-314.	2.2	14
61	D-Aminophosphonovaleric acid-sensitive spontaneous giant EPSPs in immature rat hippocampal neurones. European Journal of Pharmacology, 1988, 154, 221-222.	3.5	13
62	Selective inhibition of local excitatory synaptic transmission by serotonin through an unconventional receptor in the CA1 region of rat hippocampus. Journal of Physiology, 2001, 534, 141-158.	2.9	13
63	Dual inhibitory action of trazodone on dorsal raphe serotonergic neurons through 5-HT1A receptor partial agonism and Î±1-adrenoceptor antagonism. PLoS ONE, 2019, 14, e0222855.	2.5	13
64	8-phenyltheophylline potentiates the electrical activity evoked in hippocampal slices. European Journal of Pharmacology, 1984, 103, 177-180.	3.5	12
65	Differential Effects of the 5-Hydroxytryptamine (5-HT)1A Receptor Inverse Agonists Rec 27/0224 and Rec 27/0074 on Electrophysiological Responses to 5-HT1A Receptor Activation in Rat Dorsal Raphe Nucleus and Hippocampus in Vitro. Journal of Pharmacology and Experimental Therapeutics, 2005, 315, 109-117.	2.5	11
66	MDMA Induces EPSPâ€“Spike Potentiation in Rat Ventral Hippocampus In Vitro Via Serotonin and Noradrenaline Release and Coactivation of 5-HT4 and Î²1 Receptors. Neuropsychopharmacology, 2008, 33, 1464-1475.	5.4	11
67	Felbamate decreases synaptic transmission in the CA1 region of rat hippocampal slices. Journal of Pharmacology and Experimental Therapeutics, 1996, 279, 1100-8.	2.5	11
68	Electrophysiological Interactions Between 5â€Hydroxytryptamine and Thyrotropin Releasing Hormone on Rat Hippocampal CA1 Neurons. European Journal of Neuroscience, 1994, 6, 953-960.	2.6	9
69	Impaired Chemosensitivity of Mouse Dorsal Raphe Serotonergic Neurons Overexpressing Serotonin 1A (Htr1a) Receptors. PLoS ONE, 2012, 7, e45072.	2.5	9
70	Increased functional coupling of 5-HT 1A autoreceptors to GIRK channels in Tph2 -/- mice. European Neuropsychopharmacology, 2017, 27, 1258-1267.	0.7	9
71	Tryptophan Metabolism and Hepatic Encephalopathy. Advances in Experimental Medicine and Biology, 1999, , 155-167.	1.6	9
72	Effects of the antiepileptic drug felbamate on long-term potentiation in the CA1 region of rat hippocampal slices. Neuroscience Letters, 1996, 215, 21-24.	2.1	8

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73	Electrophysiological effects of felbamate. Life Sciences, 1998, 63, 1075-1088.	4.3	8
74	Differential modulation of CA1 impulse flow by endogenous serotonin along the hippocampal longitudinal axis. Hippocampus, 2018, 28, 217-225.	1.9	8
75	Direct imaging of APP proteolysis in living cells. PeerJ, 2017, 5, e3086.	2.0	7
76	Diet Prevents Social Stress-Induced Maladaptive Neurobehavioural and Gut Microbiota Changes in a Histamine-Dependent Manner. International Journal of Molecular Sciences, 2022, 23, 862.	4.1	7
77	Therapeutic Potential of Highly Selective A3 Adenosine Receptor Ligands in the Central and Peripheral Nervous System. Molecules, 2022, 27, 1890.	3.8	7
78	Therapeutic Potentials of Itasetron (DAU 6215), a Novel 5-HT3Receptor Antagonist, in the Treatment of Central Nervous System Disorders. CNS Neuroscience & Therapeutics, 1996, 2, 195-213.	4.0	5
79	Acute subcortical lesions modify cortical muscarinic receptors in human brain. Neuroscience Letters, 1982, 34, 227-231.	2.1	4
80	Primed burst-induced long-term potentiation: a more flexible model to study cognition enhancing activity of drugs?. Pharmacological Research, 1992, 26, 214.	7.1	4
81	GABA Mediated Synaptic Events in Neonatal Rat CA3 Pyramidal Neurons in Vitro: Modulation by NMDA and Non-NMDA Receptors. Advances in Experimental Medicine and Biology, 1990, 268, 151-159.	1.6	4
82	Pharmacological effects of benzodiazepines in the leech; Benzodiazepine and GABA receptors and GABA level. Pharmacological Research Communications, 1980, 12, 581-585.	0.2	3
83	Phospholipase C activation induced by noradrenaline in rat hippocampal slices is potentiated by GABA-receptor stimulation. EMBO Journal, 1987, 6, 1595-8.	7.8	3
84	Tryptophan metabolism and hepatic encephalopathy. Studies on the sedative properties of oxindole. Advances in Experimental Medicine and Biology, 1999, 467, 155-67.	1.6	3
85	5-hydroxytryptamine blocks the long-term potentiation induced by primed bursts in the CA1 region of rat hippocampal slices. Pharmacological Research, 1990, 22, 416.	7.1	1
86	Choline Fluxes to and from the Rat Cerebral Cortex Studied with the â€œCup Techniqueâ€•in Vivo. Advances in Behavioral Biology, 1986, , 817-825.	0.2	1
87	The release of GABA and glutamate from the cerebral cortex is an index of the activity of underlying aminoacidergic neurons. Advances in Biochemical Psychopharmacology, 1981, 27, 157-67.	0.1	1
88	Electrophysiological effects of WAY 100635, a new 5-HT1A receptor antagonist, on dorsal raphe nucleus serotoninergic neurones and CA1 pyramidal cells in vitro. Acta Physiologica Hungarica, 1996, 84, 407-9.	0.9	1
89	Improvement of Parkinsonism after Withdrawing Long-Term Flunarizine Treatment. Annals of the New York Academy of Sciences, 1988, 522, 707-709.	3.8	0
90	P.2.004 Altered aggressive behaviour following genetic and pharmacological manipulation of serotonin autoinhibition. European Neuropsychopharmacology, 2010, 20, S31-S32.	0.7	0

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91	Projectome: Set up and testing of a High Performance Computational Infrastructure for processing and visualizing neuro-anatomical information obtained using confocal ultra-microscopy techniques. Frontiers in Neuroinformatics, 0, 8, .	2.5	0
92	B-50 Phosphorylation in Response to Different Patterns of Electrical Stimulation in Rat Hippocampal Slices. , 1993, , 163-170.		0
93	Effects of Inhibitors of GABA Metabolism and Transport on GABA Output from the Cerebral Cortex. , 1983, , 273-279.		0
94	The release of GABA from the cerebral cortex: a biochemical approach to monitoring the activity of cortical GABA neurons. Annali Dell'Istituto Superiore Di Sanita, 1982, 18, 49-52.	0.4	0