

Roberto William Invernizzi

List of Publications by Year in descending order

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90
papers

4,593
citations

66343

42
h-index

102487

66
g-index

95
all docs

95
docs citations

95
times ranked

4092
citing authors

#	ARTICLE	IF	CITATIONS
1	Citalopram's ability to increase the extracellular concentrations of serotonin in the dorsal raphe prevents the drug's effect in the frontal cortex. <i>Brain Research</i> , 1992, 584, 322-324.	2.2	270
2	Neurochemical mechanism of action of drugs which modify feeding via the serotonergic system. <i>Appetite</i> , 1986, 7, 15-38.	3.7	183
3	Dissociable Contribution of 5-HT1A and 5-HT2A Receptors in the Medial Prefrontal Cortex to Different Aspects of Executive Control such as Impulsivity and Compulsive Perseveration in Rats. <i>Neuropsychopharmacology</i> , 2006, 31, 757-767.	5.4	162
4	D- and L-isomers of fenfluramine differ markedly in their interaction with brain serotonin and catecholamines in the rat. <i>European Journal of Pharmacology</i> , 1986, 120, 9-15.	3.5	138
5	Genotype-Dependent Activity of Tryptophan Hydroxylase-2 Determines the Response to Citalopram in a Mouse Model of Depression. <i>Journal of Neuroscience</i> , 2005, 25, 8165-8172.	3.6	131
6	Administration of 8-Hydroxy-2-(Di-n-Propylamino)tetrinalin in Raphe Nuclei Dorsalis and Medianus Reduces Serotonin Synthesis in the Rat Brain: Differences in Potency and Regional Sensitivity. <i>Journal of Neurochemistry</i> , 1991, 56, 243-247.	3.9	127
7	8-hydroxy-2-(di-N-propylamino) tetrinalin, a selective serotonin1A receptor agonist, blocks haloperidol-induced catalepsy by an action on raphe nuclei medianus and dorsalis. <i>Neuropharmacology</i> , 1988, 27, 515-518.	4.1	124
8	Protein misfolding in Alzheimer's™ and Parkinson's™ disease: genetics and molecular mechanisms. <i>Neurobiology of Aging</i> , 2002, 23, 957-976.	3.1	124
9	Role of 5-HT1A receptors in the effects of acute and chronic fluoxetine on extracellular serotonin in the frontal cortex. <i>Pharmacology Biochemistry and Behavior</i> , 1996, 54, 143-147.	2.9	121
10	Chronic treatment with citalopram facilitates the effect of a challenge dose on cortical serotonin output: role of presynaptic 5-HT1A receptors. <i>European Journal of Pharmacology</i> , 1994, 260, 243-246.	3.5	109
11	Evidence that Extracellular Concentrations of Dopamine Are Regulated by Noradrenergic Neurons in the Frontal Cortex of Rats. <i>Journal of Neurochemistry</i> , 1994, 63, 195-200.	3.9	101
12	Effect of 5-HT1A Receptor Antagonists on Citalopram-induced Increase in Extracellular Serotonin in the Frontal Cortex, Striatum and Dorsal Hippocampus. <i>Neuropharmacology</i> , 1997, 36, 467-473.	4.1	94
13	Brain-Specific Overexpression of Trace Amine-Associated Receptor 1 Alters Monoaminergic Neurotransmission and Decreases Sensitivity to Amphetamine. <i>Neuropsychopharmacology</i> , 2012, 37, 2580-2592.	5.4	94
14	Effects of chronic treatment with escitalopram or citalopram on extracellular 5-HT in the prefrontal cortex of rats: role of 5-HT1A receptors. <i>British Journal of Pharmacology</i> , 2004, 142, 469-478.	5.4	93
15	Neural Stem Cell Transplantation Induces Stroke Recovery by Upregulating Glutamate Transporter GLT-1 in Astrocytes. <i>Journal of Neuroscience</i> , 2016, 36, 10529-10544.	3.6	91
16	Stimulation of 5-hydroxytryptamine (5-HT2C) receptors in the ventro tegmental area inhibits stress-induced but not basal dopamine release in the rat prefrontal cortex. <i>Journal of Neurochemistry</i> , 2002, 82, 93-100.	3.9	90
17	Role of presynaptic α_2 -adrenoceptors in antidepressant action: recent findings from microdialysis studies. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2004, 28, 819-827.	4.8	90
18	Studies on the acute and chronic effects of reboxetine on extracellular noradrenaline and other monoamines in the rat brain. <i>British Journal of Pharmacology</i> , 1999, 128, 1332-1338.	5.4	89

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19	The Serotonin 5-HT _{2A} Receptors Antagonist M100907 Prevents Impairment in Attentional Performance by NMDA Receptor Blockade in the Rat Prefrontal Cortex. <i>Neuropsychopharmacology</i> , 2004, 29, 1637-1647.	5.4	89
20	Selective activation of 5-HT _{2C} receptors stimulates GABA-ergic function in the rat substantia nigra pars reticulata: A combined in vivo electrophysiological and neurochemical study. <i>Neuroscience</i> , 2007, 144, 1523-1535.	2.3	85
21	α-Synuclein and Parkinson's disease: Selective neurodegenerative effect of α-synuclein fragment on dopaminergic neurons in vitro and in vivo. <i>Annals of Neurology</i> , 2000, 47, 632-640.	5.3	79
22	Fluoxetine Increases Extracellular Dopamine in the Prefrontal Cortex by a Mechanism Not Dependent on Serotonin. <i>Journal of Neurochemistry</i> , 2001, 73, 1051-1057.	3.9	78
23	Molecular and functional interactions between tumor necrosis factor-α receptors and the glutamatergic system in the mouse hippocampus: Implications for seizure susceptibility. <i>Neuroscience</i> , 2009, 161, 293-300.	2.3	78
24	Phencyclidine-induced impairment in attention and response control depends on the background genotype of mice: reversal by the mGluR2/3 receptor agonist LY379268. <i>Psychopharmacology</i> , 2005, 179, 68-76.	3.1	76
25	Extracellular concentrations of serotonin in the dorsal hippocampus after acute and chronic treatment with citalopram. <i>Brain Research</i> , 1995, 696, 62-66.	2.2	73
26	The 5-HT _{2A} receptor antagonist M100,907 prevents extracellular glutamate rising in response to NMDA receptor blockade in the mPFC. <i>Journal of Neurochemistry</i> , 2004, 91, 189-199.	3.9	72
27	Proteasome inhibition and aggregation in Parkinson's disease: a comparative study in untransfected and transfected cells. <i>Journal of Neurochemistry</i> , 2004, 88, 545-553.	3.9	67
28	Effects of m-chlorophenylpiperazine on receptor binding and brain metabolism of monoamines in rats. <i>Neurochemistry International</i> , 1981, 3, 239-244.	3.8	61
29	Release of dopamine is reduced by diazepam more in the nucleus accumbens than in the caudate nucleus of conscious rats. <i>Neuropharmacology</i> , 1991, 30, 575-578.	4.1	58
30	Effects of aripiprazole, olanzapine, and haloperidol in a model of cognitive deficit of schizophrenia in rats: relationship with glutamate release in the medial prefrontal cortex. <i>Psychopharmacology</i> , 2011, 214, 639-652.	3.1	58
31	Dopamine D1-Like and D2-Like Receptors in the Dorsal Striatum Control Different Aspects of Attentional Performance in the Five-Choice Serial Reaction Time Task Under a Condition of Increased Activity of Corticostriatal Inputs. <i>Neuropsychopharmacology</i> , 2013, 38, 701-714.	5.4	57
32	Chronic treatment with reboxetine by osmotic pumps facilitates its effect on extracellular noradrenaline and may desensitize I _{α2} -adrenoceptors in the prefrontal cortex. <i>British Journal of Pharmacology</i> , 2001, 132, 183-188.	5.4	56
33	Further studies on the mechanism of serotonin-dependent anorexia in rats. <i>Psychopharmacology</i> , 1980, 68, 99-104.	3.1	53
34	Flibanserin, a potential antidepressant drug, lowers 5-HT and raises dopamine and noradrenaline in the rat prefrontal cortex dialysate: role of 5-HT _{1A} receptors. <i>British Journal of Pharmacology</i> , 2003, 139, 1281-1288.	5.4	53
35	The 5-HT _{1A} receptor agonist 8-OH-DPAT prevents prefrontocortical glutamate and serotonin release in response to blockade of cortical NMDA receptors. <i>Journal of Neurochemistry</i> , 2006, 96, 853-860.	3.9	52
36	Glutamate and glutathione interplay in a motor neuronal model of amyotrophic lateral sclerosis reveals altered energy metabolism. <i>Neurobiology of Disease</i> , 2011, 43, 346-355.	4.4	52

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37	Tianeptine increases the extracellular concentrations of dopamine in the nucleus accumbens by a serotonin-independent mechanism. <i>Neuropharmacology</i> , 1992, 31, 221-227.	4.1	48
38	Attention deficit induced by blockade of N-methyl d-aspartate receptors in the prefrontal cortex is associated with enhanced glutamate release and cAMP response element binding protein phosphorylation: role of metabotropic glutamate receptors 2/3. <i>Neuroscience</i> , 2011, 176, 336-348.	2.3	48
39	Acetyl-l-carnitine reduces impulsive behaviour in adolescent rats. <i>Psychopharmacology</i> , 2004, 176, 296-304.	3.1	47
40	Role of TPH α 2 in brain function: News from behavioral and pharmacologic studies. <i>Journal of Neuroscience Research</i> , 2007, 85, 3030-3035.	2.9	46
41	Serotonergic and dopaminergic modulation of cortico-striatal circuit in executive and attention deficits induced by NMDA receptor hypofunction in the 5-choice serial reaction time task. <i>Frontiers in Neural Circuits</i> , 2014, 8, 58.	2.8	46
42	Strain differences in paroxetine-induced reduction of immobility time in the forced swimming test in mice: Role of serotonin. <i>European Journal of Pharmacology</i> , 2008, 594, 117-124.	3.5	44
43	Citalopram-induced hypophagia is enhanced by blockade of 5-HT1A receptors: role of 5-HT2C receptors. <i>British Journal of Pharmacology</i> , 1998, 124, 1781-1787.	5.4	43
44	Strain differences in basal and post-citalopram extracellular 5-HT in the mouse medial prefrontal cortex and dorsal hippocampus: relation with tryptophan hydroxylase-2 activity. <i>Journal of Neurochemistry</i> , 2007, 103, 1111-1120.	3.9	43
45	Effects of acute and chronic clozapine on dopamine release and metabolism in the striatum and nucleus accumbens of conscious rats. <i>British Journal of Pharmacology</i> , 1990, 100, 774-778.	5.4	39
46	A new generation of antipsychotics: pharmacology and clinical utility of cariprazine in schizophrenia. <i>Therapeutics and Clinical Risk Management</i> , 2013, 9, 319.	2.0	39
47	Haloperidol and clozapine have dissociable effects in a model of attentional performance deficits induced by blockade of NMDA receptors in the mPFC. <i>Psychopharmacology</i> , 2008, 196, 269-280.	3.1	38
48	Intranigral GR-113808, a selective 5-HT4 receptor antagonist, attenuates morphine-stimulated dopamine release in the rat striatum. <i>Brain Research</i> , 1995, 692, 265-268.	2.2	37
49	Endogenous serotonin and serotonin _{2C} receptors are involved in the ability of M100907 to suppress cortical glutamate release induced by NMDA receptor blockade. <i>Journal of Neurochemistry</i> , 2009, 108, 521-532.	3.9	36
50	Chronic Reboxetine Desensitizes Terminal but not Somatodendritic α 2-Adrenoceptors Controlling Noradrenaline Release in the Rat Dorsal Hippocampus. <i>Neuropsychopharmacology</i> , 2005, 30, 1048-1055.	5.4	32
51	The Parkinson's Disease-Related Protein DJ-1 Protects Dopaminergic Neurons in vivo and Cultured Cells from Alpha-Synuclein and 6-Hydroxydopamine Toxicity. <i>Neurodegenerative Diseases</i> , 2015, 15, 13-23.	1.4	32
52	Ropinirole and Pramipexole Promote Structural Plasticity in Human iPSC-Derived Dopaminergic Neurons via BDNF and mTOR Signaling. <i>Neural Plasticity</i> , 2018, 2018, 1-15.	2.2	31
53	Effects of the l isomer of fenfluramine on dopamine mechanisms in rat brain: further studies. <i>European Journal of Pharmacology</i> , 1989, 164, 241-248.	3.5	27
54	Selective reduction of extracellular dopamine in the rat nucleus accumbens following chronic treatment with DAU 6215, a 5-HT3 receptor antagonist. <i>Neuropharmacology</i> , 1995, 34, 211-215.	4.1	26

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55	Blockade of tachykinin NK1 receptors attenuates stress-induced rise of extracellular noradrenaline and dopamine in the rat and gerbil medial prefrontal cortex. <i>Journal of Neuroscience Research</i> , 2006, 84, 961-968.	2.9	26
56	Effect of L-cysteine on the long-term depletion of brain indoles caused by p-chloroamphetamine and d-fenfluramine in rats Relation to brain drug concentrations. <i>European Journal of Pharmacology</i> , 1989, 163, 77-83.	3.5	25
57	Mice repeatedly exposed to Group-A β -Haemolytic <i>Streptococcus</i> show perseverative behaviors, impaired sensorimotor gating and immune activation in rostral diencephalon. <i>Scientific Reports</i> , 2015, 5, 13257.	3.3	25
58	The β -Adrenoceptor Antagonist Idazoxan Reverses Catalepsy Induced by Haloperidol in Rats Independent of Striatal Dopamine Release: Role of Serotonergic Mechanisms. <i>Neuropsychopharmacology</i> , 2003, 28, 872-879.	5.4	23
59	Tissue distribution of monoamine neurotransmitters in normal and regenerating arms of the feather star <i>Antedon mediterranea</i> . <i>Cell and Tissue Research</i> , 1996, 285, 341-352.	2.9	22
60	IS RECEPTOR ACTIVATION INVOLVED IN THE MECHANISM BY WHICH (+)FENFLURAMINE AND (+)NORFENFLURAMINE DEplete 5-HYDROXYTRYPTAMINE IN THE RAT BRAIN?. <i>British Journal of Pharmacology</i> , 1982, 75, 525-530.	5.4	20
61	Sertindole restores attentional performance and suppresses glutamate release induced by the NMDA receptor antagonist CPP. <i>Psychopharmacology</i> , 2011, 214, 625-637.	3.1	18
62	Selective involvement of dopamine in the nucleus accumbens in the feeding response elicited by muscimol injection in the nucleus raphe dorsalis of sated rats. <i>Pharmacology Biochemistry and Behavior</i> , 1986, 24, 1189-1193.	2.9	17
63	Neurochemical and behavioural studies with RU-24969 in the rat. <i>Psychopharmacology</i> , 1988, 94, 359-64.	3.1	16
64	Effects of intracerebroventricular administration of d-fenfluramine and d-norfenfluramine, as a single injection or 2-HR infusion, on serotonin in brain: Relationship to concentrations of drugs in brain. <i>Neuropharmacology</i> , 1991, 30, 119-123.	4.1	16
65	Stimulation of group I mGlu receptors in the ventro tegmental area enhances extracellular dopamine in the rat medial prefrontal cortex. <i>Journal of Neurochemistry</i> , 2007, 100, 070209222715076-???	3.9	16
66	Endoplasmic Reticulum Oxidative Stress Triggers Tgf-Beta-Dependent Muscle Dysfunction by Accelerating Ascorbic Acid Turnover. <i>Scientific Reports</i> , 2017, 7, 40993.	3.3	16
67	Further studies on the effects of chronic clozapine on regional extracellular dopamine levels in the brain of conscious rats. <i>Brain Research</i> , 1995, 670, 165-168.	2.2	15
68	Strain-dependent serotonin neuron feedback control: role of serotonin $2C$ receptors. <i>Journal of Neurochemistry</i> , 2010, 114, 1701-1710.	3.9	15
69	Mouse aldehyde-oxidase-4 controls diurnal rhythms, fat deposition and locomotor activity. <i>Scientific Reports</i> , 2016, 6, 30343.	3.3	15
70	Studies on the mechanism of the interaction of narcotic analgesics with brain serotonin. <i>Pharmacological Research Communications</i> , 1979, 11, 455-466.	0.2	14
71	Effects of metergoline on regional serotonin metabolism in the rat brain. <i>Pharmacological Research Communications</i> , 1981, 13, 511-516.	0.2	14
72	Blockade of serotonin 2A receptors prevents PCP-induced attentional performance deficit and CREB phosphorylation in the dorsal striatum of DBA/2 mice. <i>Psychopharmacology</i> , 2010, 208, 387-399.	3.1	14

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73	Lovastatin fails to improve motor performance and survival in methyl-CpG-binding protein2-null mice. <i>ELife</i> , 2016, 5, .	6.0	14
74	Neonatal corticosterone mitigates autoimmune neuropsychiatric disorders associated with streptococcus in mice. <i>Scientific Reports</i> , 2018, 8, 10188.	3.3	13
75	Enhancement of cortical extracellular 5-HT by 5-HT1A and 5-HT2C receptor blockade restores the antidepressant-like effect of citalopram in non-responder mice. <i>International Journal of Neuropsychopharmacology</i> , 2009, 12, 793.	2.1	11
76	JL13, a pyridobenzoxazepine compound with potential atypical antipsychotic activity, increases extracellular dopamine in the prefrontal cortex, but not in the striatum and the nucleus accumbens of rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2000, 361, 298-302.	3.0	10
77	Ascorbic Acid Route to the Endoplasmic Reticulum: Function and Role in Disease. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 845-855.	5.4	9
78	Reduction of morphine's effect on striatal dopamine metabolism in rats treated with a low dose of apomorphine or agents increasing serotonin transmission. <i>Biochemical Pharmacology</i> , 1984, 33, 163-165.	4.4	8
79	Fluoxetine rescues rotarod motor deficits in <i>Mecp2</i> heterozygous mouse model of Rett syndrome via brain serotonin. <i>Neuropharmacology</i> , 2020, 176, 108221.	4.1	8
80	Evidence of serotonin involvement in the effect of morphine on dopamine metabolism in the rat nucleus accumbens but not in the striatum. <i>Pharmacological Research Communications</i> , 1984, 16, 519-523.	0.2	7
81	Stability of diluted epinephrine in prefilled syringes for use in neonatology. <i>European Journal of Hospital Pharmacy</i> , 2012, 19, 378-380.	1.1	7
82	Cerebrospinal fluid glutamate changes in functional movement disorders. <i>Npj Parkinson's Disease</i> , 2020, 6, 37.	5.3	6
83	Distinct Changes in CREB Phosphorylation in Frontal Cortex and Striatum During Contingent and Non-Contingent Performance of a Visual Attention Task. <i>Frontiers in Behavioral Neuroscience</i> , 2011, 5, 65.	2.0	5
84	Chronic treatment with iprindole reduces immobility of rats in the behavioural "despair"™ test by activating dopaminergic mechanisms in the brain. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 38, 313-315.	2.4	5
85	Fluoxetine increases brain MeCP2 immuno-positive cells in a female <i>Mecp2</i> heterozygous mouse model of Rett syndrome through endogenous serotonin. <i>Scientific Reports</i> , 2021, 11, 14690.	3.3	4
86	Tph2 gene deletion enhances amphetamine-induced hypermotility: effect of 5-HT restoration and role of striatal noradrenaline release. <i>Journal of Neurochemistry</i> , 2015, 135, 674-685.	3.9	3
87	Monitoring Extracellular Monoamines with In Vivo Microdialysis in Awake Rats: A Practical Approach. <i>Neuromethods</i> , 2013, , 175-208.	0.3	3
88	Three-Dimensional Self-Organizing Neural Architectures: A Neural Stem Cells Reservoir and a System for Neurodevelopmental Studies. <i>Tissue Engineering - Part C: Methods</i> , 2011, 17, 1109-1120.	2.1	2
89	B.3 - CORTICAL GABAA RECEPTORS PLAY AN IMPORTANT ROLE IN THE ATTENTIONAL DEFICIT CAUSED BY BLOCKADE OF NMDA RECEPTORS IN THE MPFC. <i>Behavioural Pharmacology</i> , 2013, 24, e26-e27.	1.7	0
90	Neural stem cell transplantation promotes post-ischemic neuronal plasticity by regulating the expression of glutamate transporters. <i>Journal of Neuroimmunology</i> , 2014, 275, 188.	2.3	0