# 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 | Ascorbic Acid Route to the Endoplasmic Reticulum: Function and Role in Disease. Antioxidants and Redox Signaling, 2021, 34, 845-855. | 5.4 | 9 |
| 2 | Fluoxetine increases brain MeCP2 immuno-positive cells in a female Mecp2 heterozygous mouse model of Rett syndrome through endogenous serotonin. Scientific Reports, 2021, 11, 14690. | 3.3 | 4 |
| 3 | Cerebrospinal fluid glutamate changes in functional movement disorders. Npj Parkinson's Disease, 2020, 6, 37. | 5.3 | 6 |
| 4 | Fluoxetine rescues rotarod motor deficits in Mecp2 heterozygous mouse model of Rett syndrome via brain serotonin. Neuropharmacology, 2020, 176, 108221. | 4.1 | 8 |
| 5 | Neonatal corticosterone mitigates autoimmune neuropsychiatric disorders associated with streptococcus in mice. Scientific Reports, 2018, 8, 10188. | 3.3 | 13 |
| 6 | Ropinirole and Pramipexole Promote Structural Plasticity in Human iPSC-Derived Dopaminergic Neurons via BDNF and mTOR Signaling. Neural Plasticity, 2018, 2018, 1-15. | 2.2 | 31 |
| 7 | Endoplasmic Reticulum Oxidative Stress Triggers Tgf-Beta-Dependent Muscle Dysfunction by Accelerating Ascorbic Acid Turnover. Scientific Reports, 2017, 7, 40993. | 3.3 | 16 |
| 8 | Mouse aldehyde-oxidase-4 controls diurnal rhythms, fat deposition and locomotor activity. Scientific Reports, 2016, 6, 30343. | 3.3 | 15 |
| 9 | Neural Stem Cell Transplantation Induces Stroke Recovery by Upregulating Glutamate Transporter GLT-1 in Astrocytes. Journal of Neuroscience, 2016, 36, 10529-10544. | 3.6 | 91 |
| 10 | Lovastatin fails to improve motor performance and survival in methyl-CpG-binding protein2-null mice. ELife, 2016, 5, . | 6.0 | 14 |
| 11 | Mice repeatedly exposed to Group-A Î²-Haemolytic Streptococcus show perseverative behaviors, impaired sensorimotor gating and immune activation in rostral diencephalon. Scientific Reports, 2015, 5, 13257. | 3.3 | 25 |
| 12 | Tph2 gene deletion enhances amphetamineâ€induced hypermotility: effect of 5â€<scp>HT</scp> restoration and role of striatal noradrenaline release. Journal of Neurochemistry, 2015, 135, 674-685. | 3.9 | 3 |
| 13 | The Parkinson's Disease-Related Protein DJ-1 Protects Dopaminergic Neurons in vivo and Cultured Cells from Alpha-Synuclein and 6-Hydroxydopamine Toxicity. Neurodegenerative Diseases, 2015, 15, 13-23. | 1.4 | 32 |
| 14 | Serotoninergic 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. Frontiers in Neural Circuits, 2014, 8, 58. | 2.8 | 46 |
| 15 | Neural stem cell transplantation promotes post-ischemic neuronal plasticity by regulating the expression of glutamate transporters. Journal of Neuroimmunology, 2014, 275, 188. | 2.3 | 0 |
| 16 | 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. Neuropsychopharmacology, 2013, 38, 701-714. | 5.4 | 57 |
| 17 | B.3 - CORTICAL GABAA RECEPTORS PLAY AN IMPORTANT ROLE IN THE ATTENTIONAL DEFICIT CAUSED BY BLOCKADE OF NMDA RECEPTORS IN THE MPFC. Behavioural Pharmacology, 2013, 24, e26-e27. | 1.7 | 0 |
| 18 | A new generation of antipsychotics: pharmacology and clinical utility of cariprazine in schizophrenia. Therapeutics and Clinical Risk Management, 2013, 9, 319. | 2.0 | 39 |

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|---|---|---|---|
| 19 | Monitoring Extracellular Monoamines with In Vivo Microdialysis in Awake Rats: A Practical Approach. Neuromethods, 2013, , 175-208. | 0.3 | 3 |
| 20 | Brain-Specific Overexpression of Trace Amine-Associated Receptor 1 Alters Monoaminergic Neurotransmission and Decreases Sensitivity to Amphetamine. Neuropsychopharmacology, 2012, 37, 2580-2592. | 5.4 | 94 |
| 21 | Stability of diluted epinephrine in prefilled syringes for use in neonatology. European Journal of Hospital Pharmacy, 2012, 19, 378-380. | 1.1 | 7 |
| 22 | 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. Neuroscience, 2011, 176, 336-348. | 2.3 | 48 |
| 23 | Three-Dimensional Self-Organizing Neural Architectures: A Neural Stem Cells Reservoir and a System for Neurodevelopmental Studies. Tissue Engineering - Part C: Methods, 2011, 17, 1109-1120. | 2.1 | 2 |
| 24 | Distinct Changes in CREB Phosphorylation in Frontal Cortex and Striatum During Contingent and Non-Contingent Performance of a Visual Attention Task. Frontiers in Behavioral Neuroscience, 2011, 5, 65. | 2.0 | 5 |
| 25 | Chronic treatment with iprindole reduces immobility of rats in the behavioural â€˜despairâ€™ test by activating dopaminergic mechanisms in the brain. Journal of Pharmacy and Pharmacology, 2011, 38, 313-315. | 2.4 | 5 |
| 26 | 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. Psychopharmacology, 2011, 214, 639-652. | 3.1 | 58 |
| 27 | Sertindole restores attentional performance and suppresses glutamate release induced by the NMDA receptor antagonist CPP. Psychopharmacology, 2011, 214, 625-637. | 3.1 | 18 |
| 28 | Glutamate and glutathione interplay in a motor neuronal model of amyotrophic lateral sclerosis reveals altered energy metabolism. Neurobiology of Disease, 2011, 43, 346-355. | 4.4 | 52 |
| 29 | Blockade of serotonin 2A receptors prevents PCP-induced attentional performance deficit and CREB phosphorylation in the dorsal striatum of DBA/2 mice. Psychopharmacology, 2010, 208, 387-399. | 3.1 | 14 |
| 30 | Strainâ€dependent serotonin neuron feedback control: role of serotonin<sub>2C</sub> receptors. Journal of Neurochemistry, 2010, 114, 1701-1710. | 3.9 | 15 |
| 31 | Endogenous serotonin and serotonin<sub>2C</sub> receptors are involved in the ability of M100907 to suppress cortical glutamate release induced by NMDA receptor blockade. Journal of Neurochemistry, 2009, 108, 521-532. | 3.9 | 36 |
| 32 | Molecular and functional interactions between tumor necrosis factor-alpha receptors and the glutamatergic system in the mouse hippocampus: Implications for seizure susceptibility. Neuroscience, 2009, 161, 293-300. | 2.3 | 78 |
| 33 | 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. International Journal of Neuropsychopharmacology, 2009, 12, 793. | 2.1 | 11 |
| 34 | Haloperidol and clozapine have dissociable effects in a model of attentional performance deficits induced by blockade of NMDA receptors in the mPFC. Psychopharmacology, 2008, 196, 269-280. | 3.1 | 38 |
| 35 | Strain differences in paroxetine-induced reduction of immobility time in the forced swimming test in mice: Role of serotonin. European Journal of Pharmacology, 2008, 594, 117-124. | 3.5 | 44 |
| 36 | Selective activation of 5-HT2C receptors stimulates GABA-ergic function in the rat substantia nigra pars reticulata: A combined in vivo electrophysiological and neurochemical study. Neuroscience, 2007, 144, 1523-1535. | 2.3 | 85 |

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| 37 | Role of TPHâ€2 in brain function: News from behavioral and pharmacologic studies. Journal of Neuroscience Research, 2007, 85, 3030-3035. | 2.9 | 46 |
| 38 | Stimulation of group I mGlu receptors in the ventrotegmental area enhances extracellular dopamine in the rat medial prefrontal cortex. Journal of Neurochemistry, 2007, 100, 070209222715076-???. | 3.9 | 16 |
| 39 | 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. Journal of Neurochemistry, 2007, 103, 1111-1120. | 3.9 | 43 |
| 40 | The 5-HT1A receptor agonist 8-OH-DPAT prevents prefrontocortical glutamate and serotonin release in response to blockade of cortical NMDA receptors. Journal of Neurochemistry, 2006, 96, 853-860. | 3.9 | 52 |
| 41 | Blockade of tachykinin NK1 receptors attenuates stress-induced rise of extracellular noradrenaline and dopamine in the rat and gerbil medial prefrontal cortex. Journal of Neuroscience Research, 2006, 84, 961-968. | 2.9 | 26 |
| 42 | 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. Neuropsychopharmacology, 2006, 31, 757-767. | 5.4 | 162 |
| 43 | Phencyclidine-induced impairment in attention and response control depends on the background genotype of mice: reversal by the mGLU2/3 receptor agonist LY379268. Psychopharmacology, 2005, 179, 68-76. | 3.1 | 76 |
| 44 | Chronic Reboxetine Desensitizes Terminal but not Somatodendritic Î±2-Adrenoceptors Controlling Noradrenaline Release in the Rat Dorsal Hippocampus. Neuropsychopharmacology, 2005, 30, 1048-1055. | 5.4 | 32 |
| 45 | Genotype-Dependent Activity of Tryptophan Hydroxylase-2 Determines the Response to Citalopram in a Mouse Model of Depression. Journal of Neuroscience, 2005, 25, 8165-8172. | 3.6 | 131 |
| 46 | Proteasome inhibition and aggregation in Parkinson's disease: a comparative study in untransfected and transfected cells. Journal of Neurochemistry, 2004, 88, 545-553. | 3.9 | 67 |
| 47 | The 5-HT2A receptor antagonist M100,907 prevents extracellular glutamate rising in response to NMDA receptor blockade in the mPFC. Journal of Neurochemistry, 2004, 91, 189-199. | 3.9 | 72 |
| 48 | Effects of chronic treatment with escitalopram or citalopram on extracellular 5-HT in the prefrontal cortex of rats: role of 5-HT1A receptors. British Journal of Pharmacology, 2004, 142, 469-478. | 5.4 | 93 |
| 49 | Acetyl-l-carnitine reduces impulsive behaviour in adolescent rats. Psychopharmacology, 2004, 176, 296-304. | 3.1 | 47 |
| 50 | The Serotonin 5-HT2A Receptors Antagonist M100907 Prevents Impairment in Attentional Performance by NMDA Receptor Blockade in the Rat Prefrontal Cortex. Neuropsychopharmacology, 2004, 29, 1637-1647. | 5.4 | 89 |
| 51 | Role of presynaptic Î±2-adrenoceptors in antidepressant action: recent findings from microdialysis studies. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2004, 28, 819-827. | 4.8 | 90 |
| 52 | Flibanserin, a potential antidepressant drug, lowers 5-HT and raises dopamine and noradrenaline in the rat prefrontal cortex dialysate: role of 5-HT1A receptors. British Journal of Pharmacology, 2003, 139, 1281-1288. | 5.4 | 53 |
| 53 | The Î±2-Adrenoceptor Antagonist Idazoxan Reverses Catalepsy Induced by Haloperidol in Rats Independent of Striatal Dopamine Release: Role of Serotonergic Mechanisms. Neuropsychopharmacology, 2003, 28, 872-879. | 5.4 | 23 |
| 54 | Protein misfolding in Alzheimerâ€™s and Parkinsonâ€™s disease: genetics and molecular mechanisms. Neurobiology of Aging, 2002, 23, 957-976. | 3.1 | 124 |

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|---|---|---|---|
| 55 | Stimulation of 5-hydroxytryptamine (5-HT2C) receptors in the ventrotegmental area inhibits stress-induced but not basal dopamine release in the rat prefrontal cortex. Journal of Neurochemistry, 2002, 82, 93-100. | 3.9 | 90 |
| 56 | Fluoxetine Increases Extracellular Dopamine in the Prefrontal Cortex by a Mechanism Not Dependent on Serotonin. Journal of Neurochemistry, 2001, 73, 1051-1057. | 3.9 | 78 |
| 57 | Chronic treatment with reboxetine by osmotic pumps facilitates its effect on extracellular noradrenaline and may desensitize Î±2 -adrenoceptors in the prefrontal cortex. British Journal of Pharmacology, 2001, 132, 183-188. | 5.4 | 56 |
| 58 | ?-Synuclein and Parkinson's disease: Selective neurodegenerative effect of ?-synuclein fragment on dopaminergic neurons in vitro and in vivo. Annals of Neurology, 2000, 47, 632-640. | 5.3 | 79 |
| 59 | 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. Naunyn-Schmiedeberg's Archives of Pharmacology, 2000, 361, 298-302. | 3.0 | 10 |
| 60 | Studies on the acute and chronic effects of reboxetine on extracellular noradrenaline and other monoamines in the rat brain. British Journal of Pharmacology, 1999, 128, 1332-1338. | 5.4 | 89 |
| 61 | Citalopram-induced hypophagia is enhanced by blockade of 5-HT1A receptors: role of 5-HT2C receptors. British Journal of Pharmacology, 1998, 124, 1781-1787. | 5.4 | 43 |
| 62 | Effect of 5-HT1A Receptor Antagonists on Citalopram-induced Increase in Extracellular Serotonin in the Frontal Cortex, Striatum and Dorsal Hippocampus. Neuropharmacology, 1997, 36, 467-473. | 4.1 | 94 |
| 63 | Role of 5-HT1A receptors in the effects of acute and chronic fluoxetine on extracellular serotonin in the frontal cortex. Pharmacology Biochemistry and Behavior, 1996, 54, 143-147. | 2.9 | 121 |
| 64 | Tissue distribution of monoamine neurotransmitters in normal and regenerating arms of the feather star Antedon mediterranea. Cell and Tissue Research, 1996, 285, 341-352. | 2.9 | 22 |
| 65 | Further studies on the effects of chronic clozapine on regional extracellular dopamine levels in the brain of conscious rats. Brain Research, 1995, 670, 165-168. | 2.2 | 15 |
| 66 | Intranigral GR-113808, a selective 5-HT4 receptor antagonist, attenuates morphine-stimulated dopamine release in the rat striatum. Brain Research, 1995, 692, 265-268. | 2.2 | 37 |
| 67 | Extracellular concentrations of serotonin in the dorsal hippocampus after acute and chronic treatment with citalopram. Brain Research, 1995, 696, 62-66. | 2.2 | 73 |
| 68 | Selective reduction of extracellular dopamine in the rat nucleus accumbens following chronic treatment with DAU 6215, a 5-HT3 receptor antagonist. Neuropharmacology, 1995, 34, 211-215. | 4.1 | 26 |
| 69 | Chronic treatment with citalopram facilitates the effect of a challenge dose on cortical serotonin output: role of presynaptic 5-HT1A receptors. European Journal of Pharmacology, 1994, 260, 243-246. | 3.5 | 109 |
| 70 | Evidence that Extracellular Concentrations of Dopamine Are Regulated by Noradrenergic Neurons in the Frontal Cortex of Rats. Journal of Neurochemistry, 1994, 63, 195-200. | 3.9 | 101 |
| 71 | Tianeptine increases the extracellular concentrations of dopamine in the nucleus accumbens by a serotonin-independent mechanism. Neuropharmacology, 1992, 31, 221-227. | 4.1 | 48 |
| 72 | Citalopram's ability to increase the extracellular concentrations of serotonin in the dorsal raphe prevents the drug's effect in the frontal cortex. Brain Research, 1992, 584, 322-324. | 2.2 | 270 |

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|---|---|---|---|
| 73 | Release of dopamine is reduced by diazepam more in the nucleus accumbens than in the caudate nucleus of conscious rats. Neuropharmacology, 1991, 30, 575-578. | 4.1 | 58 |
| 74 | 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. Neuropharmacology, 1991, 30, 119-123. | 4.1 | 16 |
| 75 | Administration of 8-Hydroxy-2-(Di-n-Propylamino)tetralin in Raphe Nuclei Dorsalis and Medianus Reduces Serotonin Synthesis in the Rat Brain: Differences in Potency and Regional Sensitivity. Journal of Neurochemistry, 1991, 56, 243-247. | 3.9 | 127 |
| 76 | Effects of acute and chronic clozapine on dopamine release and metabolism in the striatum and nucleus accumbens of conscious rats. British Journal of Pharmacology, 1990, 100, 774-778. | 5.4 | 39 |
| 77 | 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. European Journal of Pharmacology, 1989, 163, 77-83. | 3.5 | 25 |
| 78 | Effects of the l isomer of fenfluramine on dopamine mechanisms in rat brain: further studies. European Journal of Pharmacology, 1989, 164, 241-248. | 3.5 | 27 |
| 79 | Neurochemical and behavioural studies with RU-24969 in the rat. Psychopharmacology, 1988, 94, 359-64. | 3.1 | 16 |
| 80 | 8-hydroxy-2-(di-N-propylamino) tetralin, a selective serotonin1A receptor agonist, blocks haloperidol-induced catalepsy by an action on raphe nuclei medianus and dorsalis. Neuropharmacology, 1988, 27, 515-518. | 4.1 | 124 |
| 81 | D- and L-isomers of fenfluramine differ markedly in their interaction with brain serotonin and catecholamines in the rat. European Journal of Pharmacology, 1986, 120, 9-15. | 3.5 | 138 |
| 82 | Neurochemical mechanism of action of drugs which modify feeding via the serotoninergic system. Appetite, 1986, 7, 15-38. | 3.7 | 183 |
| 83 | Selective involvement of dopamine in the nucleus accumbens in the feeding response elicited by muscimol injection in the nucleus raphe dorsalis of sated rats. Pharmacology Biochemistry and Behavior, 1986, 24, 1189-1193. | 2.9 | 17 |
| 84 | Evidence of serotonin involvement in the effect of morphine on dopamine metabolism in the rat nucleus accumbens but not in the striatum. Pharmacological Research Communications, 1984, 16, 519-523. | 0.2 | 7 |
| 85 | Reduction of morphine's effect on striatal dopamine metabolism in rats treated with a low dose of apomorphine or agents increasing serotonin transmission. Biochemical Pharmacology, 1984, 33, 163-165. | 4.4 | 8 |
| 86 | IS RECEPTOR ACTIVATION INVOLVED IN THE MECHANISM BY WHICH (+)â€FENFLURAMINE AND (+)â€NORFENFLURAMINE DEPLETE 5â€HYDROXYTRYPTAMINE IN THE RAT BRAIN?. British Journal of Pharmacology, 1982, 75, 525-530. | 5.4 | 20 |
| 87 | Effects of m-chlorophenylpiperazine on receptor binding and brain metabolism of monoamines in rats. Neurochemistry International, 1981, 3, 239-244. | 3.8 | 61 |
| 88 | Effects of metergoline on regional serotonin metabolism in the rat brain. Pharmacological Research Communications, 1981, 13, 511-516. | 0.2 | 14 |
| 89 | Further studies on the mechanism of serotonin-dependent anorexia in rats. Psychopharmacology, 1980, 68, 99-104. | 3.1 | 53 |
| 90 | Studies on the mechanism of the interaction of narcotic analgesics with brain serotonin. Pharmacological Research Communications, 1979, 11, 455-466. | 0.2 | 14 |