Tiziana Bonifacino

List of Publications by Year
in descending order

43 papers	1,507 citations	361413 20 h-index	315739 38 g-index
46 all docs	46 docs citations	46 times ranked	2188 citing authors

#	Article	IF	Citations
1	Acute Stress Increases Depolarization-Evoked Glutamate Release in the Rat Prefrontal/Frontal Cortex: The Dampening Action of Antidepressants. PLoS ONE, 2010, 5, e8566.	2.5	217
2	Intravenous Mesenchymal Stem Cells Improve Survival and Motor Function in Experimental Amyotrophic Lateral Sclerosis. Molecular Medicine, 2012, 18, 794-804.	4.4	135
3	Stress and corticosterone increase the readily releasable pool of glutamate vesicles in synaptic terminals of prefrontal and frontal cortex. Molecular Psychiatry, 2014, 19, 433-443.	7.9	125
4	Enriched experience and recovery from amblyopia in adult rats: Impact of motor, social and sensory components. Neuropharmacology, 2012, 62, 2388-2397.	4.1	107
5	Chronic mild stress induces anhedonic behavior and changes in glutamate release, BDNF trafficking and dendrite morphology only in stress vulnerable rats. The rapid restorative action of ketamine. Neurobiology of Stress, 2019, 10, 100160.	4.0	77
6	Abnormal exocytotic release of glutamate in a mouse model of amyotrophic lateral sclerosis. Journal of Neurochemistry, 2011, 116, 1028-1042.	3.9	63
7	Fluoxetine in adulthood normalizes GABA release and rescues hippocampal synaptic plasticity and spatial memory in a mouse model of Down Syndrome. Neurobiology of Disease, 2014, 63, 12-19.	4.4	56
8	Blockade of stress-induced increase of glutamate release in the rat prefrontal/frontal cortex by agomelatine involves synergy between melatonergic and 5-HT2C receptor-dependent pathways. BMC Neuroscience, 2010, 11, 68.	1.9	50
9	In vitro activation of GAT1 transporters expressed in spinal cord gliosomes stimulates glutamate release that is abnormally elevated in the SOD1/G93A(+) mouse model of amyotrophic lateral sclerosis. Journal of Neurochemistry, 2010, 113, 489-501.	3.9	42
10	Knocking down metabotropic glutamate receptor 1 improves survival and disease progression in the SOD1G93A mouse model of amyotrophic lateral sclerosis. Neurobiology of Disease, 2014, 64, 48-59.	4.4	42
11	Nearly 30 Years of Animal Models to Study Amyotrophic Lateral Sclerosis: A Historical Overview and Future Perspectives. International Journal of Molecular Sciences, 2021, 22, 12236.	4.1	40
12	Group I metabotropic glutamate autoreceptors induce abnormal glutamate exocytosis in a mouse model of amyotrophic lateral sclerosis. Neuropharmacology, 2013, 66, 253-263.	4.1	39
13	Abnormal Upregulation of GPR17 Receptor Contributes to Oligodendrocyte Dysfunction in SOD1 G93A Mice. International Journal of Molecular Sciences, 2020, 21, 2395.	4.1	36
14	Chronic treatment with agomelatine or venlafaxine reduces depolarization-evoked glutamate release from hippocampal synaptosomes. BMC Neuroscience, 2013, 14, 75.	1.9	31
15	In-vivo effects of knocking-down metabotropic glutamate receptor 5 in the SOD1 mouse model of amyotrophic lateral sclerosis. Neuropharmacology, 2017, 123, 433-445.	4.1	30
16	MicroRNA Alteration, Application as Biomarkers, and Therapeutic Approaches in Neurodegenerative Diseases. International Journal of Molecular Sciences, 2022, 23, 4718.	4.1	28
17	Altered mechanisms underlying the abnormal glutamate release in amyotrophic lateral sclerosis at a pre-symptomatic stage of the disease. Neurobiology of Disease, 2016, 95, 122-133.	4.4	25
18	Altered glucose catabolism in the presynaptic and perisynaptic compartments of SOD1^{G93A} mouse spinal cord and motor cortex indicates that mitochondria are the site of bioenergetic imbalance in ALS. Journal of Neurochemistry, 2019, 151, 336-350.	3.9	24

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19	Role of calpain-1 in the early phase of experimental ALS. Archives of Biochemistry and Biophysics, 2014, 562, 1-8.	3.0	22
20	Exocytosis regulates trafficking of GABA and glycine heterotransporters in spinal cord glutamatergic synapses: a mechanism for the excessive heterotransporter-induced release of glutamate in experimental amyotrophic lateral sclerosis. Neurobiology of Disease, 2015, 74, 314-324.	4.4	22
21	Trafficking of the glutamate transporter is impaired in LRRK2-related Parkinsonâ€™s disease. Acta Neuropathologica, 2022, 144, 81-106.	7.7	22
22	Chapter 21 Glutamate Release from Astrocytic Gliosomes under Physiological and Pathological Conditions. International Review of Neurobiology, 2009, 85, 295-318.	2.0	20
23	Fluoxetine treatment promotes functional recovery in a rat model of cervical spinal cord injury. Scientific Reports, 2013, 3, 2217.	3.3	20
24	Characterization of the Mitochondrial Aerobic Metabolism in the Pre- and Perisynaptic Districts of the SOD1G93A Mouse Model of Amyotrophic Lateral Sclerosis. Molecular Neurobiology, 2018, 55, 9220-9233.	4.0	20
25	The endocannabinoid system in rat gliosomes and its role in the modulation of glutamate release. Cellular and Molecular Life Sciences, 2011, 68, 833-845.	5.4	17
26	Acute Ketamine Facilitates Fear Memory Extinction in a Rat Model of PTSD Along With Restoring Glutamatergic Alterations and Dendritic Atrophy in the Prefrontal Cortex. Frontiers in Pharmacology, 2022, 13, 759626.	3.5	17
27	In-vivo genetic ablation of metabotropic glutamate receptor type 5 slows down disease progression in the SOD1G93A mouse model of amyotrophic lateral sclerosis. Neurobiology of Disease, 2019, 129, 79-92.	4.4	15
28	Genetic inactivation of mGlu5 receptor improves motor coordination in the Grm1 mouse model of SCAR13 ataxia. Neurobiology of Disease, 2018, 109, 44-53.	4.4	15
29	Mechanisms underlying the predictive power of high skeletal muscle uptake of FDG in amyotrophic lateral sclerosis. EJNMMI Research, 2020, 10, 76.	2.5	15
30	Acute stress rapidly increases the readily releasable pool of glutamate vesicles in prefrontal and frontal cortex through non-genomic action of corticosterone. Molecular Psychiatry, 2014, 19, 401-401.	7.9	14
31	Enhanced Function and Overexpression of Metabotropic Glutamate Receptors 1 and 5 in the Spinal Cord of the SOD1G93A Mouse Model of Amyotrophic Lateral Sclerosis during Disease Progression. International Journal of Molecular Sciences, 2019, 20, 4552.	4.1	13
32	Differential expression of metabotropic glutamate and GABA receptors at neocortical glutamatergic and GABAergic axon terminals. Frontiers in Cellular Neuroscience, 2015, 9, 345.	3.7	12
33	Neuroprotective Effect of AM404 Against NMDA-Induced Hippocampal Excitotoxicity. Frontiers in Cellular Neuroscience, 2019, 13, 566.	3.7	12
34	Blocking glutamate mGlu 5 receptors with the negative allosteric modulator CTEP improves disease course in SOD1 G93A mouse model of amyotrophic lateral sclerosis. British Journal of Pharmacology, 2021, 178, 3747-3764.	5.4	12
35	A multistationary loop model of ALS unveils critical molecular interactions involving mitochondria and glucose metabolism. PLoS ONE, 2020, 15, e0244234.	2.5	8
36	Colocalization of neurotransmitter transporters on the plasma membrane of the same nerve terminal may reflect cotransmission. Brain Research Bulletin, 2016, 127, 100-110.	3.0	5

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37	Visual Cortex Engagement in Retinitis Pigmentosa. International Journal of Molecular Sciences, 2021, 22, 9412.	4.1	5
38	Increased [³H]Dâ€aspartate release and changes in glutamate receptor expression in the hippocampus of the mnd mouse. Journal of Neuroscience Research, 2012, 90, 1148-1158.	2.9	4
39	Restoration by ketamine of stress-induced maladaptive changes in synaptic function and brain architecture. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY55-1.	0.0	0
40	Title is missing!. , 2020, 15, e0244234.		0
41	Title is missing!. , 2020, 15, e0244234.		0
42	Title is missing!. , 2020, 15, e0244234.		0
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