

Luca Murru

List of Publications by Year in descending order

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31
papers

1,014
citations

471371

17
h-index

454834

30
g-index

32
all docs

32
docs citations

32
times ranked

1759
citing authors

#	ARTICLE	IF	CITATIONS
1	Glutamatergic synapses in neurodevelopmental disorders. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 84, 328-342.	2.5	109
2	2-Phenyl-imidazo[1,2- <i>a</i>]pyridine Compounds Containing Hydrophilic Groups as Potent and Selective Ligands for Peripheral Benzodiazepine Receptors: Synthesis, Binding Affinity and Electrophysiological Studies. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 6876-6888.	2.9	90
3	Changes in Expression and Function of Extrasynaptic GABA _A Receptors in the Rat Hippocampus during Pregnancy and after Delivery. <i>Journal of Neuroscience</i> , 2009, 29, 1755-1765.	1.7	83
4	LRRK2 kinase activity regulates synaptic vesicle trafficking and neurotransmitter release through modulation of LRRK2 macro-molecular complex. <i>Frontiers in Molecular Neuroscience</i> , 2014, 7, 49.	1.4	82
5	Neurosteroids, GABA _A receptors, and ethanol dependence. <i>Psychopharmacology</i> , 2006, 186, 267-280.	1.5	77
6	Myosin IXa Binds AMPAR and Regulates Synaptic Structure, LTP, and Cognitive Function. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 1.	1.4	61
7	eEF2K/eEF2 Pathway Controls the Excitation/Inhibition Balance and Susceptibility to Epileptic Seizures. <i>Cerebral Cortex</i> , 2017, 27, bhw075.	1.6	57
8	The Neurobiology of X-Linked Intellectual Disability. <i>Neuroscientist</i> , 2013, 19, 541-552.	2.6	42
9	Pharmacological Modulation of AMPAR Rescues Intellectual Disability-Like Phenotype in Tm4sf2 ^{+/y} Mice. <i>Cerebral Cortex</i> , 2017, 27, 5369-5384.	1.6	33
10	Hyperactivity of Rac1-GTPase pathway impairs neuritogenesis of cortical neurons by altering actin dynamics. <i>Scientific Reports</i> , 2018, 8, 7254.	1.6	32
11	Epilepsy and intellectual disability linked protein Shrm4 interaction with GABABRs shapes inhibitory neurotransmission. <i>Nature Communications</i> , 2017, 8, 14536.	5.8	31
12	Distinct patterns of expression and regulation of GABA _A receptors containing the δ subunit in cerebellar granule and hippocampal neurons. <i>Journal of Neurochemistry</i> , 2005, 94, 659-671.	2.1	30
13	The muscle relaxant thiocholchicoside is an antagonist of GABA _A receptor function in the central nervous system. <i>Neuropharmacology</i> , 2006, 51, 805-815.	2.0	30
14	Changes in expression of the δ subunit of the GABA _A receptor and in receptor function induced by progesterone exposure and withdrawal. <i>Journal of Neurochemistry</i> , 2006, 99, 321-332.	2.1	25
15	Tetraspanins shape the synapse. <i>Molecular and Cellular Neurosciences</i> , 2018, 91, 76-81.	1.0	24
16	Plastic neuronal changes in GABA _A receptor gene expression induced by progesterone metabolites: In vitro molecular and functional studies. <i>Pharmacology Biochemistry and Behavior</i> , 2006, 84, 545-554.	1.3	22
17	The Epilepsy-Related Protein PCDH19 Regulates Tonic Inhibition, GABA _A Kinetics, and the Intrinsic Excitability of Hippocampal Neurons. <i>Molecular Neurobiology</i> , 2020, 57, 5336-5351.	1.9	22
18	Nesfatin-1 decreases the motivational and rewarding value of food. <i>Neuropsychopharmacology</i> , 2020, 45, 1645-1655.	2.8	22

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19	New Role of ATM in Controlling GABAergic Tone During Development. <i>Cerebral Cortex</i> , 2016, 26, 3879-3888.	1.6	20
20	TSPAN5 Enriched Microdomains Provide a Platform for Dendritic Spine Maturation through Neuroligin-1 Clustering. <i>Cell Reports</i> , 2019, 29, 1130-1146.e8.	2.9	17
21	Flumazenil selectively prevents the increase in α 4-subunit gene expression and an associated change in GABAA receptor function induced by ethanol withdrawal. <i>Journal of Neurochemistry</i> , 2007, 102, 657-666.	2.1	16
22	Human astrocytes can be induced to differentiate into cells with neuronal phenotype. <i>Experimental Cell Research</i> , 2006, 312, 2336-2346.	1.2	14
23	Oligophrenin-1 regulates number, morphology and synaptic properties of adult-born inhibitory interneurons in the olfactory bulb. <i>Human Molecular Genetics</i> , 2016, 25, ddw340.	1.4	13
24	The DNA repair protein ATM as a target in autism spectrum disorder. <i>JCI Insight</i> , 2021, 6, .	2.3	13
25	Isoniazid-induced reduction in GABAergic neurotransmission alters the function of the cerebellar cortical circuit. <i>Neuroscience</i> , 2008, 154, 710-719.	1.1	12
26	Biosynthesis of glycerol phosphate is associated with long-term potentiation in hippocampal neurons. <i>Metabolomics</i> , 2016, 12, 133.	1.4	10
27	The epilepsy-associated protein PCDH19 undergoes NMDA receptor-dependent proteolytic cleavage and regulates the expression of immediate-early genes. <i>Cell Reports</i> , 2022, 39, 110857.	2.9	10
28	Lateral habenula dysfunctions in <i>Tm4sf2^{+/y}</i> mice model for neurodevelopmental disorder. <i>Neurobiology of Disease</i> , 2021, 148, 105189.	2.1	8
29	ATM rules neurodevelopment and glutamatergic transmission in the hippocampus but not in the cortex. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	5
30	<i>Arhgap22</i> Disruption Leads to RAC1 Hyperactivity Affecting Hippocampal Glutamatergic Synapses and Cognition in Mice. <i>Molecular Neurobiology</i> , 2021, 58, 6092-6110.	1.9	4
31	P.1.17 Progesterone induced-changes in gene expression of delta subunit GABAA receptor in rat hippocampal neurons in culture. <i>European Neuropsychopharmacology</i> , 2007, 17, S15-S16.	0.3	0