Marcello Melone

List of Publications by Year
in descending order

50	2,909	159585 30	206112 48
papers	citations	h-index	g-index

52	52	52	3314
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	GABA transporters in the mammalian cerebral cortex: localization, development and pathological implications. Brain Research Reviews, 2004, 45, 196-212.	9.0	313
2	EAAC1, a high-affinity glutamate tranporter, is localized to astrocytes and gabaergic neurons besides pyramidal cells in the rat cerebral cortex. Cerebral Cortex, 1998, 8, 108-116.	2.9	200
3	Expression of NR1 and NR2A/B subunits of the NMDA receptor in cortical astrocytes. , 1996, 17, 254-258.		126
4	Neuronal and glial localization of GAT-1, a high-affinity ?-aminobutyric acid plasma membrane transporter, in human cerebral cortex: With a note on its distribution in monkey cortex. , 1998, 396, 51-63.		124
5	Increased expression of the astrocytic glutamate transporter GLT-1 in the prefrontal cortex of schizophrenics. Glia, 2005, 49, 451-455.	4.9	115
6	Defective glutamate and K ⁺ clearance by cortical astrocytes in familial hemiplegic migraine type 2. EMBO Molecular Medicine, 2016, 8, 967-986.	6.9	110
7	Neuronal and Glial Localization of NR1 and NR2A/B Subunits of the NMDA Receptor in the Human Cerebral Cortex. Cerebral Cortex, 1999, 9, 110-120.	2.9	100
8	Neuronal, glial, and epithelial localization of ?-aminobutyric acid transporter 2, a high-affinity ?-aminobutyric acid plasma membrane transporter, in the cerebral cortex and neighboring structures. Journal of Comparative Neurology, 1999, 409, 482-494.	1.6	94
9	Light microscopic identification and immunocytochemical characterization of glutamatergic synapses in brain sections. Journal of Comparative Neurology, 2005, 492, 495-509.	1.6	94
10	The expression of glutamate transporter GLT-1 in the rat cerebral cortex is down-regulated by the antipsychotic drug clozapine. Molecular Psychiatry, 2001, 6, 380-386.	7.9	93
11	Upâ€regulation of GLTâ€1 severely impairs LTD at mossy fibreâ€“CA3 synapses. Journal of Physiology, 2009, 587, 4575-4588.	2.9	91
12	Interneuron-specific signaling evokes distinctive somatostatin-mediated responses in adult cortical astrocytes. Nature Communications, 2018, 9, 82.	12.8	88
13	Presynaptic NMDA receptors in the neocortex are both auto- and heteroreceptors. NeuroReport, 1996, 7, 2773-2776.	1.2	80
14	Neuronal and glial localization of NMDA receptors in the cerebral cortex. Molecular Neurobiology, 1997, 14, 1-18.	4.0	79
15	Synaptic localization of GLTâ€1a in the rat somatic sensory cortex. Glia, 2009, 57, 108-117.	4.9	78
16	Neuromodulatory Action of Picomolar Extracellular Aî²42 Oligomers on Presynaptic and Postsynaptic Mechanisms Underlying Synaptic Function and Memory. Journal of Neuroscience, 2019, 39, 5986-6000.	3.6	71
17	Localization of the Glutamine Transporter SNAT1 in Rat Cerebral Cortex and Neighboring Structures, With a Note on its Localization in Human Cortex. Cerebral Cortex, 2004, 14, 562-574.	2.9	60
18	The glutamine commute: Lost in the tube?. Neurochemistry International, 2006, 48, 459-464.	3.8	56

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19	The effect of amyloid-Î² peptide on synaptic plasticity and memory is influenced by different isoforms, concentrations, and aggregation status. Neurobiology of Aging, 2018, 71, 51-60.	3.1	55
20	A quantitative analysis of cellular and synaptic localization of GAT-1 and GAT-3 in rat neocortex. Brain Structure and Function, 2015, 220, 885-897.	2.3	54
21	Clozapine reduces GLT-1 expression and glutamate uptake in astrocyte cultures. Glia, 2005, 50, 276-279.	4.9	52
22	VGLUT1 and VGAT are sorted to the same population of synaptic vesicles in subsets of cortical axon terminals. Journal of Neurochemistry, 2009, 110, 1538-1546.	3.9	52
23	Nilotinib restores memory function by preventing dopaminergic neuron degeneration in a mouse model of Alzheimerâ€™s Disease. Progress in Neurobiology, 2021, 202, 102031.	5.7	46
24	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
25	Non-canonical glutamate signaling in a genetic model of migraine with aura. Neuron, 2021, 109, 611-628.e8.	8.1	41
26	Localization of the Na+-coupled neutral amino acid transporter 2 in the cerebral cortex. Neuroscience, 2006, 140, 281-292.	2.3	40
27	GLT-1 promoter activity in astrocytes and neurons of mouse hippocampus and somatic sensory cortex. Frontiers in Neuroanatomy, 2010, 3, 31.	1.7	37
28	Cellular and Synaptic Localization of EAAT2a in Human Cerebral Cortex. Frontiers in Neuroanatomy, 2011, 4, 151.	1.7	37
29	Heterogeneity of Astrocytic and Neuronal GLT-1 at Cortical Excitatory Synapses, as Revealed by its Colocalization With Na+/K+-ATPase Î± Isoforms. Cerebral Cortex, 2019, 29, 3331-3350.	2.9	37
30	GLTâ€1 upregulation impairs prepulse inhibition of the startle reflex in adult rats. Glia, 2009, 57, 703-713.	4.9	36
31	Perisomatic glutamatergic axon terminals: a novel feature of cortical synaptology revealed by vesicular glutamate transporter 1 immunostaining. Neuroscience, 2004, 123, 547-556.	2.3	34
32	GLT-1 down-regulation induced by clozapine in rat frontal cortex is associated with synaptophysin up-regulation. Journal of Neurochemistry, 2006, 99, 134-141.	3.9	32
33	Analysis of Synaptotagmin, SV2, and Rab3 Expression in Cortical Glutamatergic and GABAergic Axon Terminals. Frontiers in Cellular Neuroscience, 2011, 5, 32.	3.7	32
34	Clozapine-induced reduction of glutamate transport in the frontal cortex is not mediated by GLAST and EAAC1. Molecular Psychiatry, 2003, 8, 12-13.	7.9	30
35	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
36	GLTâ€1 expression and Glu uptake in rat cerebral cortex are increased by phencyclidine. Glia, 2008, 56, 1320-1327.	4.9	29

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37	A Reappraisal of GAT-1 Localization in Neocortex. Frontiers in Cellular Neuroscience, 2020, 14, 9.	3.7	27
38	Transient focal ischemia triggers neuronal expression of GAT-3 in the rat perilesional cortex. Neurobiology of Disease, 2003, 14, 120-132.	4.4	26
39	Neuronal localization of the GABA transporter GAT-3 in human cerebral cortex: A procedural artifact?. Journal of Chemical Neuroanatomy, 2005, 30, 45-54.	2.1	25
40	A Role for GAT-1 in Presynaptic GABA Homeostasis?. Frontiers in Cellular Neuroscience, 2011, 5, 2.	3.7	24
41	Genetic deletion of Î±7 nicotinic acetylcholine receptors induces an age-dependent Alzheimerâ€™s disease-like pathology. Progress in Neurobiology, 2021, 206, 102154.	5.7	21
42	GATâ€1 mediated GABA uptake in rat oligodendrocytes. Glia, 2017, 65, 514-522.	4.9	18
43	Plasma membrane transporters GAT-1 and GAT-3 contribute to heterogeneity of GABAergic synapses in neocortex. Frontiers in Neuroanatomy, 2014, 8, 72.	1.7	17
44	Microglial expression of GATâ€1 in the cerebral cortex. Glia, 2020, 68, 646-655.	4.9	14
45	Specific activation of GluN1-N2B NMDA receptors underlies facilitation of cortical spreading depression in a genetic mouse model of migraine with reduced astrocytic glutamate clearance. Neurobiology of Disease, 2021, 156, 105419.	4.4	14
46	Quantitative analysis of EAAT4 promoter activity in neurons and astrocytes of mouse somatic sensory cortex. Neuroscience Letters, 2010, 474, 42-45.	2.1	13
47	Clozapine upregulates the expression of the vesicular GABA transporter (VGAT) in rat frontal cortex. Molecular Psychiatry, 2007, 12, 612-613.	7.9	10
48	GLT-1 up-regulation enhances the effect of PCP on prepulse inhibition of the startle reflex in adult rats. Schizophrenia Research, 2009, 109, 196-197.	2.0	6
49	Acute phencyclidine administration reduces extracellular glutamate levels and the expression of synaptophysin and SNAP-25 in rat frontal cortex. Schizophrenia Research, 2009, 108, 288-289.	2.0	4
50	Etorphine increases the number of Î¼-opioid receptor-positive cells in the cerebral cortex. Neuroscience, 2000, 100, 439-443.	2.3	2