Davide Ragozzino

List of Publications by Year
in descending order

65	7,780	87888 38	114465 63
papers	citations	h-index	g-index

69	69	69	10036
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synaptic Pruning by Microglia Is Necessary for Normal Brain Development. Science, 2011, 333, 1456-1458.	12.6	3,138
2	Deficient neuron-microglia signaling results in impaired functional brain connectivity and social behavior. Nature Neuroscience, 2014, 17, 400-406.	14.8	958
3	Anomalous levels of Cl- transporters in the hippocampal subiculum from temporal lobe epilepsy patients make GABA excitatory. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8465-8468.	7.1	262
4	Independent hypothalamic circuits for social and predator fear. Nature Neuroscience, 2013, 16, 1731-1733.	14.8	198
5	A Neural Switch for Active and Passive Fear. Neuron, 2010, 67, 656-666.	8.1	183
6	TRPV1 channels are critical brain inflammation detectors and neuropathic pain biomarkers in mice. Nature Communications, 2017, 8, 15292.	12.8	180
7	CXC chemokines interleukin-8 (IL-8) and growth-related gene product Î± (GROÎ±) modulate Purkinje neuron activity in mouse cerebellum. Journal of Neuroimmunology, 1998, 92, 122-132.	2.3	141
8	Chemokine CX3CL1 protects rat hippocampal neurons against glutamate-mediated excitotoxicity. Journal of Neuroimmunology, 2005, 166, 19-28.	2.3	136
9	Microglia-neuron crosstalk: Signaling mechanism and control of synaptic transmission. Seminars in Cell and Developmental Biology, 2019, 94, 138-151.	5.0	124
10	Inflammation, neurodegeneration and protein aggregation in the retina as ocular biomarkers for Alzheimerâ€™s disease in the 3xTg-AD mouse model. Cell Death and Disease, 2018, 9, 685.	6.3	120
11	SDF-1Î±-mediated modulation of synaptic transmission in rat cerebellum. European Journal of Neuroscience, 2000, 12, 2497-2504.	2.6	117
12	Chemokine Fractalkine/CX3CL1 Negatively Modulates Active Glutamatergic Synapses in Rat Hippocampal Neurons. Journal of Neuroscience, 2006, 26, 10488-10498.	3.6	116
13	Activity of Adenosine Receptors Type 1 Is Required for CX3CL1-Mediated Neuroprotection and Neuromodulation in Hippocampal Neurons. Journal of Immunology, 2008, 180, 7590-7596.	0.8	98
14	Neuroinflammatory Processes, A1 Astrocyte Activation and Protein Aggregation in the Retina of Alzheimerâ€™s Disease Patients, Possible Biomarkers for Early Diagnosis. Frontiers in Neuroscience, 2019, 13, 925.	2.8	98
15	CXCL12-induced glioblastoma cell migration requires intermediate conductance Ca²⁺-activated K⁺channel activity. American Journal of Physiology - Cell Physiology, 2010, 299, C175-C184.	4.6	93
16	Modulation of the neurotransmitter release in rat cerebellar neurons by GROÎ². NeuroReport, 1998, 9, 3601-3606.	1.2	74
17	Microglia shape presynaptic properties at developing glutamatergic synapses. Glia, 2019, 67, 53-67.	4.9	72
18	Fractalkine/CX3CL1 depresses central synaptic transmission in mouse hippocampal slices. Neuropharmacology, 2006, 51, 816-821.	4.1	70

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19	Electrophysiological Properties of CA1 Pyramidal Neurons along the Longitudinal Axis of the Mouse Hippocampus. Scientific Reports, 2016, 6, 38242.	3.3	69
20	The neuronal Î±6subunit forms functional heteromeric acetylcholine receptors in human transfected cells. European Journal of Neuroscience, 1998, 10, 172-178.	2.6	65
21	Defective microglial development in the hippocampus of Cx3cr1 deficient mice. Frontiers in Cellular Neuroscience, 2015, 09, 111.	3.7	65
22	Stimulation of chemokine CXC receptor 4 induces synaptic depression of evoked parallel fibers inputs onto Purkinje neurons in mouse cerebellum. Journal of Neuroimmunology, 2002, 127, 30-36.	2.3	63
23	Rundown of GABA type A receptors is a dysfunction associated with human drug-resistant mesial temporal lobe epilepsy. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15219-15223.	7.1	60
24	KCa3.1 inhibition switches the phenotype of glioma-infiltrating microglia/macrophages. Cell Death and Disease, 2016, 7, e2174-e2174.	6.3	60
25	Ca2+permeability of mouse and chick nicotinic acetylcholine receptors expressed in transiently transfected human cells. Journal of Physiology, 1998, 507, 749-758.	2.9	58
26	CXC Chemokine Receptors in the Central Nervous System: Role in Cerebellar Neuromodulation and Development. Journal of NeuroVirology, 2002, 8, 559-572.	2.1	58
27	The chemokine growth-related gene product Î² protects rat cerebellar granule cells from apoptotic cell death through Î±-amino-3-hydroxy-5-methyl-4-isoxazolepropionate receptors. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 6197-6201.	7.1	56
28	The Antiepileptic Drug Levetiracetam Stabilizes the Human Epileptic GABAAReceptors upon Repetitive Activation. Epilepsia, 2007, 48, 1842-1849.	5.1	55
29	Interferon inhibits synaptic potentiation in rat hippocampus. Brain Research, 1991, 564, 245-248.	2.2	53
30	Kinetics and Mg2+ block of N-methyl- d-aspartate receptor channels during postnatal development of hippocampal CA3 pyramidal neurons. Neuroscience, 1995, 69, 1057-1065.	2.3	52
31	TMEM16F Regulates Spinal Microglial Function in Neuropathic Pain States. Cell Reports, 2016, 15, 2608-2615.	6.4	52
32	Phosphatase inhibitors remove the run-down of Â-aminobutyric acid type A receptors in the human epileptic brain. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10183-10188.	7.1	50
33	Spontaneous and Repetitive Calcium Transients in C2C12 Mouse Myotubes during In Vitro Myogenesis. European Journal of Neuroscience, 1997, 9, 800-808.	2.6	49
34	Microglia control glutamatergic synapses in the adult mouse hippocampus. Glia, 2022, 70, 173-195.	4.9	46
35	Chemokine receptor CXCR2 regulates the functional properties of AMPA-type glutamate receptor GluR1 in HEK cells. Journal of Neuroimmunology, 2002, 129, 66-73.	2.3	45
36	Dual Ca2+modulation of glycinergic synaptic currents in rodent hypoglossal motoneurones. Journal of Physiology, 2005, 569, 817-831.	2.9	45

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37	KCa3.1 channel inhibition sensitizes malignant gliomas to temozolomide treatment. Oncotarget, 2016, 7, 30781-30796.	1.8	44
38	Microglia modulate hippocampal synaptic transmission and sleep duration along the light/dark cycle. Glia, 2022, 70, 89-105.	4.9	43
39	CX3CL1-induced modulation at CA1 synapses reveals multiple mechanisms of EPSC modulation involving adenosine receptor subtypes. Journal of Neuroimmunology, 2010, 224, 85-92.	2.3	41
40	Abnormal GABAA receptors from the human epileptic hippocampal subiculum microtransplanted to Xenopus oocytes. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2514-2518.	7.1	40
41	Functional Properties of Neuronal Nicotinic Acetylcholine Receptor Channels Expressed in Transfected Human Cells. European Journal of Neuroscience, 1997, 9, 480-488.	2.6	35
42	CX3CL1 protects neurons against excitotoxicity enhancing GLT-1 activity on astrocytes. Journal of Neuroimmunology, 2013, 263, 75-82.	2.3	35
43	The chemokine CXCL16 modulates neurotransmitter release in hippocampal CA1 area. Scientific Reports, 2016, 6, 34633.	3.3	34
44	Histamine hyperpolarizes human glioblastoma cells by activating the intermediate-conductance Ca²⁺-activated K⁺ channel. American Journal of Physiology - Cell Physiology, 2009, 297, C102-C110.	4.6	31
45	Microglial-glucocorticoid receptor depletion alters the response of hippocampal microglia and neurons in a chronic unpredictable mild stress paradigm in female mice. Brain, Behavior, and Immunity, 2021, 97, 423-439.	4.1	31
46	Early hippocampal hyperexcitability in PS2APP mice: role of mutant PS2 and APP. Neurobiology of Aging, 2017, 50, 64-76.	3.1	28
47	Role of nucleus accumbens core but not shell in incubation of methamphetamine craving after voluntary abstinence. Neuropsychopharmacology, 2020, 45, 256-265.	5.4	25
48	Zinc permeates mouse muscle ACh receptor channels expressed in BOSC 23 cells and affects channel function. Journal of Physiology, 2000, 529, 83-91.	2.9	21
49	ATP release during cell swelling activates a Ca2+-dependent Clâ¯ current by autocrine mechanism in mouse hippocampal microglia. Scientific Reports, 2017, 7, 4184.	3.3	21
50	Inhibition of GABA and glycine responses by glutamate in rat hippocampal neurons. Brain Research, 1993, 628, 115-120.	2.2	20
51	Antibiotics Treatment Modulates Microgliaâ€“Synapses Interaction. Cells, 2021, 10, 2648.	4.1	17
52	Basal adenosine modulates the functional properties of AMPA receptors in mouse hippocampal neurons through the activation of A1R A2AR and A3R. Frontiers in Cellular Neuroscience, 2015, 9, 409.	3.7	16
53	Increased heroin intake and relapse vulnerability in intermittent relative to continuous selfâ€administration: Sex differences in rats. British Journal of Pharmacology, 2023, 180, 910-926.	5.4	16
54	Activation of nicotinic acetylcholine receptors enhances a slow calciumâ€dependent potassium conductance and reduces the firing of stratum oriens interneurons. European Journal of Neuroscience, 2009, 30, 1011-1022.	2.6	15

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55	A role for intracellular zinc in glioma alteration of neuronal chloride equilibrium. Cell Death and Disease, 2014, 5, e1501-e1501.	6.3	15
56	Dimethyl Fumarate Reduces Microglia Functional Response to Tissue Damage and Favors Brain Iron Homeostasis. Neuroscience, 2020, 439, 241-254.	2.3	15
57	Acetylcholine-activated inward current induces cytosolic Ca2+ mobilization in mouse C2C12 myotubes. Cell Calcium, 1995, 18, 41-50.	2.4	13
58	Sodium, Calcium and Late Potassium Currents are Reduced in Cerebellar Granule Cells Cultured in the Presence of a Protein Complex Conferring Resistance to Excitatory Amino Acids. European Journal of Neuroscience, 1993, 5, 1479-1484.	2.6	10
59	Transient increase in neuronal chloride concentration by neuroactive aminoacids released from glioma cells. Frontiers in Molecular Neuroscience, 2012, 5, 100.	2.9	10
60	Resilience to anhedonia-passive coping induced by early life experience is linked to a long-lasting reduction of Ih current in VTA dopaminergic neurons. Neurobiology of Stress, 2021, 14, 100324.	4.0	9
61	Mechanical Durotactic Environment Enhances Specific Glioblastoma Cell Responses. Cancers, 2019, 11, 643.	3.7	7
62	Time-lapse Whole-field Fluorescence Imaging of Microglia Processes Motility in Acute Mouse Hippocampal Slices and Analysis. Bio-protocol, 2019, 9, e3220.	0.4	3
63	A Neural Switch for Active and Passive Fear. Neuron, 2012, 73, 854.	8.1	2
64	Correction to â€œDesign and In Vitro Pharmacology of a Selective Î³-Aminobutyric Acid_C Receptor Antagonistâ€• Molecular Pharmacology, 2013, 83, 1276-1276.	2.3	1
65	Role of CX3CL1 in Synaptic Activity and Neuroprotection. , 2010, , 301-316.		0