

Davide Ragozzino

List of Publications by Year in descending order

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64
papers

7,780
citations

87843

38
h-index

114418

63
g-index

69
all docs

69
docs citations

69
times ranked

10036
citing authors

#	ARTICLE	IF	CITATIONS
1	Synaptic Pruning by Microglia Is Necessary for Normal Brain Development. <i>Science</i> , 2011, 333, 1456-1458.	6.0	3,138
2	Deficient neuron-microglia signaling results in impaired functional brain connectivity and social behavior. <i>Nature Neuroscience</i> , 2014, 17, 400-406.	7.1	958
3	Anomalous levels of Cl ⁻ transporters in the hippocampal subiculum from temporal lobe epilepsy patients make GABA excitatory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8465-8468.	3.3	262
4	Independent hypothalamic circuits for social and predator fear. <i>Nature Neuroscience</i> , 2013, 16, 1731-1733.	7.1	198
5	A Neural Switch for Active and Passive Fear. <i>Neuron</i> , 2010, 67, 656-666.	3.8	183
6	TRPV1 channels are critical brain inflammation detectors and neuropathic pain biomarkers in mice. <i>Nature Communications</i> , 2017, 8, 15292.	5.8	180
7	CXC chemokines interleukin-8 (IL-8) and growth-related gene product β (GRO β) modulate Purkinje neuron activity in mouse cerebellum. <i>Journal of Neuroimmunology</i> , 1998, 92, 122-132.	1.1	141
8	Chemokine CX3CL1 protects rat hippocampal neurons against glutamate-mediated excitotoxicity. <i>Journal of Neuroimmunology</i> , 2005, 166, 19-28.	1.1	136
9	Microglia-neuron crosstalk: Signaling mechanism and control of synaptic transmission. <i>Seminars in Cell and Developmental Biology</i> , 2019, 94, 138-151.	2.3	124
10	Inflammation, neurodegeneration and protein aggregation in the retina as ocular biomarkers for Alzheimer's disease in the 3xTg-AD mouse model. <i>Cell Death and Disease</i> , 2018, 9, 685.	2.7	120
11	SDF-1 β -mediated modulation of synaptic transmission in rat cerebellum. <i>European Journal of Neuroscience</i> , 2000, 12, 2497-2504.	1.2	117
12	Chemokine Fractalkine/CX3CL1 Negatively Modulates Active Glutamatergic Synapses in Rat Hippocampal Neurons. <i>Journal of Neuroscience</i> , 2006, 26, 10488-10498.	1.7	116
13	Activity of Adenosine Receptors Type 1 Is Required for CX3CL1-Mediated Neuroprotection and Neuromodulation in Hippocampal Neurons. <i>Journal of Immunology</i> , 2008, 180, 7590-7596.	0.4	98
14	Neuroinflammatory Processes, A1 Astrocyte Activation and Protein Aggregation in the Retina of Alzheimer's Disease Patients, Possible Biomarkers for Early Diagnosis. <i>Frontiers in Neuroscience</i> , 2019, 13, 925.	1.4	98
15	CXCL12-induced glioblastoma cell migration requires intermediate conductance Ca ²⁺ -activated K ⁺ channel activity. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C175-C184.	2.1	93
16	Modulation of the neurotransmitter release in rat cerebellar neurons by GRO β . <i>NeuroReport</i> , 1998, 9, 3601-3606.	0.6	74
17	Microglia shape presynaptic properties at developing glutamatergic synapses. <i>Glia</i> , 2019, 67, 53-67.	2.5	72
18	Fractalkine/CX3CL1 depresses central synaptic transmission in mouse hippocampal slices. <i>Neuropharmacology</i> , 2006, 51, 816-821.	2.0	70

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19	Electrophysiological Properties of CA1 Pyramidal Neurons along the Longitudinal Axis of the Mouse Hippocampus. <i>Scientific Reports</i> , 2016, 6, 38242.	1.6	69
20	The neuronal $\alpha 6$ subunit forms functional heteromeric acetylcholine receptors in human transfected cells. <i>European Journal of Neuroscience</i> , 1998, 10, 172-178.	1.2	65
21	Defective microglial development in the hippocampus of Cx3cr1 deficient mice. <i>Frontiers in Cellular Neuroscience</i> , 2015, 09, 111.	1.8	65
22	Stimulation of chemokine CXCR4 receptor induces synaptic depression of evoked parallel fibers inputs onto Purkinje neurons in mouse cerebellum. <i>Journal of Neuroimmunology</i> , 2002, 127, 30-36.	1.1	63
23	Rundown of GABA type A receptors is a dysfunction associated with human drug-resistant mesial temporal lobe epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15219-15223.	3.3	60
24	KCa3.1 inhibition switches the phenotype of glioma-infiltrating microglia/macrophages. <i>Cell Death and Disease</i> , 2016, 7, e2174-e2174.	2.7	60
25	Ca ²⁺ permeability of mouse and chick nicotinic acetylcholine receptors expressed in transiently transfected human cells. <i>Journal of Physiology</i> , 1998, 507, 749-758.	1.3	58
26	CXCR Chemokine Receptors in the Central Nervous System: Role in Cerebellar Neuromodulation and Development. <i>Journal of NeuroVirology</i> , 2002, 8, 559-572.	1.0	58
27	The chemokine growth-related gene product beta protects rat cerebellar granule cells from apoptotic cell death through α -amino-3-hydroxy-5-methyl-4-isoxazolepropionate receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 6197-6201.	3.3	56
28	The Antiepileptic Drug Levetiracetam Stabilizes the Human Epileptic GABA _A Receptors upon Repetitive Activation. <i>Epilepsia</i> , 2007, 48, 1842-1849.	2.6	55
29	Interferon inhibits synaptic potentiation in rat hippocampus. <i>Brain Research</i> , 1991, 564, 245-248.	1.1	53
30	Kinetics and Mg ²⁺ block of N-methyl-D-aspartate receptor channels during postnatal development of hippocampal CA3 pyramidal neurons. <i>Neuroscience</i> , 1995, 69, 1057-1065.	1.1	52
31	TMEM16F Regulates Spinal Microglial Function in Neuropathic Pain States. <i>Cell Reports</i> , 2016, 15, 2608-2615.	2.9	52
32	Phosphatase inhibitors remove the run-down of α -aminobutyric acid type A receptors in the human epileptic brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10183-10188.	3.3	50
33	Spontaneous and Repetitive Calcium Transients in C2C12 Mouse Myotubes during In Vitro Myogenesis. <i>European Journal of Neuroscience</i> , 1997, 9, 800-808.	1.2	49
34	Microglia control glutamatergic synapses in the adult mouse hippocampus. <i>Glia</i> , 2022, 70, 173-195.	2.5	46
35	Chemokine receptor CXCR2 regulates the functional properties of AMPA-type glutamate receptor GluR1 in HEK cells. <i>Journal of Neuroimmunology</i> , 2002, 129, 66-73.	1.1	45
36	Dual Ca ²⁺ modulation of glycinergic synaptic currents in rodent hypoglossal motoneurons. <i>Journal of Physiology</i> , 2005, 569, 817-831.	1.3	45

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37	KCa3.1 channel inhibition sensitizes malignant gliomas to temozolomide treatment. <i>Oncotarget</i> , 2016, 7, 30781-30796.	0.8	44
38	Microglia modulate hippocampal synaptic transmission and sleep duration along the light/dark cycle. <i>Glia</i> , 2022, 70, 89-105.	2.5	43
39	CX3CL1-induced modulation at CA1 synapses reveals multiple mechanisms of EPSC modulation involving adenosine receptor subtypes. <i>Journal of Neuroimmunology</i> , 2010, 224, 85-92.	1.1	41
40	Abnormal GABAA receptors from the human epileptic hippocampal subiculum microtransplanted to <i>Xenopus</i> oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 2514-2518.	3.3	40
41	Functional Properties of Neuronal Nicotinic Acetylcholine Receptor Channels Expressed in Transfected Human Cells. <i>European Journal of Neuroscience</i> , 1997, 9, 480-488.	1.2	35
42	CX3CL1 protects neurons against excitotoxicity enhancing GLT-1 activity on astrocytes. <i>Journal of Neuroimmunology</i> , 2013, 263, 75-82.	1.1	35
43	The chemokine CXCL16 modulates neurotransmitter release in hippocampal CA1 area. <i>Scientific Reports</i> , 2016, 6, 34633.	1.6	34
44	Histamine hyperpolarizes human glioblastoma cells by activating the intermediate-conductance Ca ²⁺ -activated K ⁺ channel. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C102-C110.	2.1	31
45	Microglial-glucocorticoid receptor depletion alters the response of hippocampal microglia and neurons in a chronic unpredictable mild stress paradigm in female mice. <i>Brain, Behavior, and Immunity</i> , 2021, 97, 423-439.	2.0	31
46	Early hippocampal hyperexcitability in PS2APP mice: role of mutant PS2 and APP. <i>Neurobiology of Aging</i> , 2017, 50, 64-76.	1.5	28
47	Role of nucleus accumbens core but not shell in incubation of methamphetamine craving after voluntary abstinence. <i>Neuropsychopharmacology</i> , 2020, 45, 256-265.	2.8	25
48	Zinc permeates mouse muscle ACh receptor channels expressed in BOSC 23 cells and affects channel function. <i>Journal of Physiology</i> , 2000, 529, 83-91.	1.3	21
49	ATP release during cell swelling activates a Ca ²⁺ -dependent Cl ⁻ current by autocrine mechanism in mouse hippocampal microglia. <i>Scientific Reports</i> , 2017, 7, 4184.	1.6	21
50	Inhibition of GABA and glycine responses by glutamate in rat hippocampal neurons. <i>Brain Research</i> , 1993, 628, 115-120.	1.1	20
51	Antibiotics Treatment Modulates Microglia-Synapses Interaction. <i>Cells</i> , 2021, 10, 2648.	1.8	17
52	Basal adenosine modulates the functional properties of AMPA receptors in mouse hippocampal neurons through the activation of A1R A2AR and A3R. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 409.	1.8	16
53	Increased heroin intake and relapse vulnerability in intermittent relative to continuous self-administration: Sex differences in rats. <i>British Journal of Pharmacology</i> , 2023, 180, 910-926.	2.7	16
54	Activation of nicotinic acetylcholine receptors enhances a slow calcium-dependent potassium conductance and reduces the firing of stratum oriens interneurons. <i>European Journal of Neuroscience</i> , 2009, 30, 1011-1022.	1.2	15

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55	A role for intracellular zinc in glioma alteration of neuronal chloride equilibrium. <i>Cell Death and Disease</i> , 2014, 5, e1501-e1501.	2.7	15
56	Dimethyl Fumarate Reduces Microglia Functional Response to Tissue Damage and Favors Brain Iron Homeostasis. <i>Neuroscience</i> , 2020, 439, 241-254.	1.1	15
57	Acetylcholine-activated inward current induces cytosolic Ca ²⁺ mobilization in mouse C2C12 myotubes. <i>Cell Calcium</i> , 1995, 18, 41-50.	1.1	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. <i>European Journal of Neuroscience</i> , 1993, 5, 1479-1484.	1.2	10
59	Transient increase in neuronal chloride concentration by neuroactive aminoacids released from glioma cells. <i>Frontiers in Molecular Neuroscience</i> , 2012, 5, 100.	1.4	10
60	Resilience to anhedonia-passive coping induced by early life experience is linked to a long-lasting reduction of I _h current in VTA dopaminergic neurons. <i>Neurobiology of Stress</i> , 2021, 14, 100324.	1.9	9
61	Mechanical Durotactic Environment Enhances Specific Glioblastoma Cell Responses. <i>Cancers</i> , 2019, 11, 643.	1.7	7
62	Time-lapse Whole-field Fluorescence Imaging of Microglia Processes Motility in Acute Mouse Hippocampal Slices and Analysis. <i>Bio-protocol</i> , 2019, 9, e3220.	0.2	3
63	A Neural Switch for Active and Passive Fear. <i>Neuron</i> , 2012, 73, 854.	3.8	2
64	Role of CX3CL1 in Synaptic Activity and Neuroprotection. , 2010, , 301-316.		0