

Rene JÄ¼ttner

List of Publications by Year in descending order

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36
papers

1,592
citations

279798

23
h-index

345221

36
g-index

36
all docs

36
docs citations

36
times ranked

2381
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective Inflammatory Pain Insensitivity in the African Naked Mole-Rat (<i>Heterocephalus glaber</i>). <i>PLoS Biology</i> , 2008, 6, e13.	5.6	157
2	The tight junction protein CAR regulates cardiac conduction and cell-cell communication. <i>Journal of Experimental Medicine</i> , 2008, 205, 2369-2379.	8.5	106
3	Glycinergic tonic inhibition of hippocampal neurons with depolarizing GABAergic transmission elicits histopathological signs of temporal lobe epilepsy. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 2848-2866.	3.6	105
4	The receptor guanylyl cyclase <i>Npr2</i> is essential for sensory axon bifurcation within the spinal cord. <i>Journal of Cell Biology</i> , 2007, 179, 331-340.	5.2	90
5	C-type natriuretic peptide (CNP) is a bifurcation factor for sensory neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16847-16852.	7.1	84
6	Postsynaptic Action of BDNF on GABAergic Synaptic Transmission in the Superficial Layers of the Mouse Superior Colliculus. <i>Journal of Neurophysiology</i> , 2002, 88, 595-603.	1.8	83
7	Changes in neural network homeostasis trigger neuropsychiatric symptoms. <i>Journal of Clinical Investigation</i> , 2014, 124, 696-711.	8.2	81
8	Splice-specific roles of glycine receptor $\hat{1}\pm 3$ in the hippocampus. <i>European Journal of Neuroscience</i> , 2009, 30, 1077-1091.	2.6	64
9	<i>Bcl11a</i> is required for neuronal morphogenesis and sensory circuit formation in dorsal spinal cord development. <i>Development (Cambridge)</i> , 2012, 139, 1831-1841.	2.5	55
10	Defective metabolic programming impairs early neuronal morphogenesis in neural cultures and an organoid model of Leigh syndrome. <i>Nature Communications</i> , 2021, 12, 1929.	12.8	55
11	Glycine receptors caught between genome and proteome - Functional implications of RNA editing and splicing. <i>Frontiers in Molecular Neuroscience</i> , 2009, 2, 23.	2.9	53
12	Silencing neurotransmission with membrane-tethered toxins. <i>Nature Methods</i> , 2010, 7, 229-236.	19.0	50
13	Neocortical dendritic complexity is controlled during development by NOMA-GAP-dependent inhibition of <i>Cdc42</i> and activation of cofilin. <i>Genes and Development</i> , 2012, 26, 1743-1757.	5.9	47
14	Irregular RNA splicing curtails postsynaptic gephyrin in the cornu ammonis of patients with epilepsy. <i>Brain</i> , 2010, 133, 3778-3794.	7.6	46
15	Neuregulin 3 promotes excitatory synapse formation on hippocampal interneurons. <i>EMBO Journal</i> , 2018, 37, .	7.8	45
16	Slow IPSC kinetics, low levels of $\hat{1}\pm 1$ subunit expression and paired-pulse depression are distinct properties of neonatal inhibitory GABAergic synaptic connections in the mouse superior colliculus. <i>European Journal of Neuroscience</i> , 2001, 13, 2088-2098.	2.6	43
17	Impact of Actin Filament Stabilization on Adult Hippocampal and Olfactory Bulb Neurogenesis. <i>Journal of Neuroscience</i> , 2010, 30, 3419-3431.	3.6	36
18	Repetitive magnetic stimulation of human-derived neuron-like cells activates cAMP-CREB pathway. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2012, 262, 87-91.	3.2	35

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19	Microtubule cytoskeleton regulates Connexin 43 localization and cardiac conduction in cardiomyopathy caused by mutation in A-type lamins gene. <i>Human Molecular Genetics</i> , 2019, 28, 4043-4052.	2.9	35
20	Impaired Synapse Function during Postnatal Development in the Absence of CALEB, an EGF-like Protein Processed by Neuronal Activity. <i>Neuron</i> , 2005, 46, 233-245.	8.1	34
21	Resolving titin's lifecycle and the spatial organization of protein turnover in mouse cardiomyocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25126-25136.	7.1	30
22	GluR- and TrkB-mediated maturation of GABA _A receptor function during the period of eye opening. <i>European Journal of Neuroscience</i> , 2005, 21, 431-440.	2.6	29
23	Characterization of Mg ²⁺ transport in brush border membrane vesicles of rabbit ileum studied with mag-fura-2. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1370, 51-63.	2.6	28
24	Synaptic Anchoring of Glycine Receptors in Developing Collicular Neurons under Control of Metabotropic Glutamate Receptor Activity. <i>Molecular and Cellular Neurosciences</i> , 2002, 21, 324-340.	2.2	25
25	The IgCAM CLMP is required for intestinal and ureteral smooth muscle contraction by regulating Connexin43 and 45 expression in mice. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	23
26	Time-matched pre- and postsynaptic changes of GABAergic synaptic transmission in the developing mouse superior colliculus. <i>Journal of Physiology</i> , 2005, 563, 795-807.	2.9	22
27	The role of agrin, Lrp4 and MuSK during dendritic arborization and synaptogenesis in cultured embryonic CNS neurons. <i>Developmental Biology</i> , 2019, 445, 54-67.	2.0	21
28	Functional Hallmarks of GABAergic Synapse Maturation and the Diverse Roles of Neurotrophins. <i>Frontiers in Cellular Neuroscience</i> , 2011, 5, 13.	3.7	20
29	Cell-cell communication mediated by the CAR subgroup of immunoglobulin cell adhesion molecules in health and disease. <i>Molecular and Cellular Neurosciences</i> , 2017, 81, 32-40.	2.2	20
30	Impaired presynaptic function and elimination of synapses at premature stages during postnatal development of the cerebellum in the absence of CALEB (CSPG5/neuroglycan C). <i>European Journal of Neuroscience</i> , 2013, 38, 3270-3280.	2.6	17
31	The cell adhesion protein CAR is a negative regulator of synaptic transmission. <i>Scientific Reports</i> , 2019, 9, 6768.	3.3	17
32	Therapeutic inhibition of RBM20 improves diastolic function in a murine heart failure model and human engineered heart tissue. <i>Science Translational Medicine</i> , 2021, 13, eabe8952.	12.4	14
33	Early onset of glutamatergic and GABAergic synaptic activity in the visual layers of the rodent superior colliculus. <i>International Journal of Developmental Neuroscience</i> , 2001, 19, 255-261.	1.6	9
34	Early maturation of GABAergic synapses in mouse retinal ganglion cells. <i>International Journal of Developmental Neuroscience</i> , 2008, 26, 233-238.	1.6	8
35	The Ig CAM CAR is Implicated in Cardiac Development and Modulates Electrical Conduction in the Mature Heart. <i>Journal of Cardiovascular Development and Disease</i> , 2014, 1, 111-120.	1.6	4
36	Ion conductances related to development of repetitive firing in mouse retinal ganglion neurons in situ. <i>Journal of Neurobiology</i> , 1999, 38, 191-206.	3.6	1