

# Rene JÃ¼ttner

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | 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        |
| 2  | 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        |
| 3  | 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        |
| 4  | The cell adhesion protein CAR is a negative regulator of synaptic transmission. <i>Scientific Reports</i> , 2019, 9, 6768.   | 3.3  | 17        |
| 5  | 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        |
| 6  | 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        |
| 7  | 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        |
| 8  | Neuregulin 3 promotes excitatory synapse formation on hippocampal interneurons. <i>EMBO Journal</i> , 2018, 37, .  | 7.8  | 45        |
| 9  | 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        |
| 10 | 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         |
| 11 | Changes in neural network homeostasis trigger neuropsychiatric symptoms. <i>Journal of Clinical Investigation</i> , 2014, 124, 696-711.  | 8.2  | 81        |
| 12 | 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        |
| 13 | Bcl11a 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        |
| 14 | Neocortical dendritic complexity is controlled during development by NOMA-GAP-dependent inhibition of Cdc42 and activation of cofilin. <i>Genes and Development</i> , 2012, 26, 1743-1757.   | 5.9  | 47        |
| 15 | 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        |
| 16 | Functional Hallmarks of GABAergic Synapse Maturation and the Diverse Roles of Neurotrophins. <i>Frontiers in Cellular Neuroscience</i> , 2011, 5, 13.  | 3.7  | 20        |
| 17 | Silencing neurotransmission with membrane-tethered toxins. <i>Nature Methods</i> , 2010, 7, 229-236.   | 19.0 | 50        |
| 18 | Impact of Actin Filament Stabilization on Adult Hippocampal and Olfactory Bulb Neurogenesis. <i>Journal of Neuroscience</i> , 2010, 30, 3419-3431.   | 3.6  | 36        |

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|----|--|-----|-----------|
| 19 | Irregular RNA splicing curtails postsynaptic gephyrin in the cornu ammonis of patients with epilepsy. <i>Brain</i> , 2010, 133, 3778-3794.   | 7.6 | 46        |
| 20 | 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        |
| 21 | 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        |
| 22 | Splice-specific roles of glycine receptor $\alpha 3$ in the hippocampus. <i>European Journal of Neuroscience</i> , 2009, 30, 1077-1091.  | 2.6 | 64        |
| 23 | 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       |
| 24 | Early maturation of GABAergic synapses in mouse retinal ganglion cells. <i>International Journal of Developmental Neuroscience</i> , 2008, 26, 233-238.  | 1.6 | 8         |
| 25 | 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       |
| 26 | Selective Inflammatory Pain Insensitivity in the African Naked Mole-Rat ( <i>Heterocephalus glaber</i> ). <i>PLoS Biology</i> , 2008, 6, e13.  | 5.6 | 157       |
| 27 | 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        |
| 28 | GluR- and TrkB-mediated maturation of GABA <sub>A</sub> receptor function during the period of eye opening. <i>European Journal of Neuroscience</i> , 2005, 21, 431-440.   | 2.6 | 29        |
| 29 | 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        |
| 30 | 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        |
| 31 | 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        |
| 32 | 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        |
| 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 | Slow IPSC kinetics, low levels of $\alpha 1$ 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        |
| 35 | 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         |
| 36 | Characterization of Mg <sup>2+</sup> 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        |