

# Ronald Jabs

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33  
papers

1,812  
citations

20  
h-index

34  
g-index

34  
ext. papers

1,998  
ext. citations

6.5  
avg, IF

4.34  
L-index

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 33 | Developmental regulation of Na <sup>+</sup> and K <sup>+</sup> conductances in glial cells of mouse hippocampal brain slices. <i>Glia</i> , <b>1995</b> , 15, 173-87  | 9    | 138       |
| 32 | Neuron-glia synapses in the brain. <i>Brain Research Reviews</i> , <b>2010</b> , 63, 130-7  |      | 135       |
| 31 | Properties of GABA and glutamate responses in identified glial cells of the mouse hippocampal slice. <i>Hippocampus</i> , <b>1994</b> , 4, 19-35  | 3.5  | 134       |
| 30 | Synaptic transmission onto hippocampal glial cells with hGFAP promoter activity. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 3791-803   | 5.3  | 129       |
| 29 | Distribution of P2X receptors on astrocytes in juvenile rat hippocampus. <i>Glia</i> , <b>2001</b> , 36, 11-21  | 9    | 129       |
| 28 | Functional and molecular properties of human astrocytes in acute hippocampal slices obtained from patients with temporal lobe epilepsy. <i>Epilepsia</i> , <b>2000</b> , 41 Suppl 6, S181-4   | 6.4  | 120       |
| 27 | Serotonin stimulates secretion of exosomes from microglia cells. <i>Glia</i> , <b>2015</b> , 63, 626-34   | 9    | 118       |
| 26 | Kainate activates Ca <sup>2+</sup> -permeable glutamate receptors and blocks voltage-gated K <sup>+</sup> currents in glial cells of mouse hippocampal slices. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1994</b> , 426, 310-9 | 4.6  | 96        |
| 25 | Astrocytic function and its alteration in the epileptic brain. <i>Epilepsia</i> , <b>2008</b> , 49 Suppl 2, 3-12  | 6.4  | 90        |
| 24 | Characterization of Pan-glial Gap Junction Networks in the Thalamus, Neocortex, and Hippocampus Reveals a Unique Population of Glial Cells. <i>Cerebral Cortex</i> , <b>2015</b> , 25, 3420-33  | 5.1  | 84        |
| 23 | Gray matter NG2 cells display multiple Ca <sup>2+</sup> -signaling pathways and highly motile processes. <i>PLoS ONE</i> , <b>2011</b> , 6, e17575  | 3.7  | 80        |
| 22 | Identification of purinergic receptors in retinal ganglion cells. <i>Molecular Brain Research</i> , <b>2001</b> , 92, 177-80  |      | 79        |
| 21 | Direct visualization of cell division using high-resolution imaging of M-phase of the cell cycle. <i>Nature Communications</i> , <b>2012</b> , 3, 1076  | 17.4 | 69        |
| 20 | Lack of P2X receptor mediated currents in astrocytes and GluR type glial cells of the hippocampal CA1 region. <i>Glia</i> , <b>2007</b> , 55, 1648-55   | 9    | 66        |
| 19 | Evidence for P2X(3), P2X(4), P2X(5) but not for P2X(7) containing purinergic receptors in Müller cells of the rat retina. <i>Molecular Brain Research</i> , <b>2000</b> , 76, 205-10  |      | 63        |
| 18 | Expression of purinergic receptors in bipolar cells of the rat retina. <i>Molecular Brain Research</i> , <b>2000</b> , 76, 415-8  |      | 50        |
| 17 | Expression of the $\delta$ -subunit distinguishes synaptic and extrasynaptic GABA(A) receptors in NG2 cells of the hippocampus. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 12030-40   | 6.6  | 35        |

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|----|---|------|----|
| 16 | GABAA receptor agonists modulate K <sup>+</sup> currents in adult hippocampal glial cells in situ. <i>Glia</i> , <b>1999</b> , 26, 129-138  | 9    | 29 |
| 15 | Properties of human astrocytes and NG2 glia. <i>Glia</i> , <b>2020</b> , 68, 756-767  | 9    | 23 |
| 14 | Dual reporter approaches for identification of Cre efficacy and astrocyte heterogeneity. <i>FASEB Journal</i> , <b>2012</b> , 26, 4576-83   | 0.9  | 22 |
| 13 | Maternal de novo triple mosaicism for two single OCRL nucleotide substitutions (c.1736A>T, c.1736A>G) in a Lowe syndrome family. <i>Human Genetics</i> , <b>2011</b> , 129, 513-9                           | 6.3  | 17 |
| 12 | Functional anisotropic panglial networks in the lateral superior olive. <i>Glia</i> , <b>2016</b> , 64, 1892-911  | 9    | 17 |
| 11 | Barreloid Borders and Neuronal Activity Shape Panglial Gap Junction-Coupled Networks in the Mouse Thalamus. <i>Cerebral Cortex</i> , <b>2018</b> , 28, 213-222  | 5.1  | 15 |
| 10 | The NG2 Protein Is Not Required for Glutamatergic Neuron-NG2 Cell Synaptic Signaling. <i>Cerebral Cortex</i> , <b>2016</b> , 26, 51-7   | 5.1  | 14 |
| 9  | Functional characterization of P2X3 receptors fused with fluorescent proteins. <i>Molecular Membrane Biology</i> , <b>2005</b> , 22, 497-506  | 3.4  | 13 |
| 8  | Synaptic input as a directional cue for migrating interneuron precursors. <i>Development (Cambridge)</i> , <b>2017</b> , 144, 4125-4136   | 6.6  | 12 |
| 7  | Migration of Interneuron Precursors in the Nascent Cerebellar Cortex. <i>Cerebellum</i> , <b>2018</b> , 17, 62-71   | 4.3  | 10 |
| 6  | Nanomolar ambient ATP decelerates P2X3 receptor kinetics. <i>Neuropharmacology</i> , <b>2008</b> , 55, 1212-8   | 5.5  | 9  |
| 5  | Astrocytes and oligodendrocytes in the thalamus jointly maintain synaptic activity by supplying metabolites. <i>Cell Reports</i> , <b>2021</b> , 34, 108642   | 10.6 | 8  |
| 4  | Anisotropic Panglial Coupling Reflects Tonotopic Organization in the Inferior Colliculus. <i>Frontiers in Cellular Neuroscience</i> , <b>2018</b> , 12, 431   | 6.1  | 5  |
| 3  | NO-mediated signal transmission in bladder vasculature as a therapeutic target of PDE5 inhibitors. Rodent model studies. <i>British Journal of Pharmacology</i> , <b>2021</b> , 178, 1073-1094              | 8.6  | 2  |
| 2  | Auxiliary Subunits Control Function and Subcellular Distribution of AMPA Receptor Complexes in NG2 Glia of the Developing Hippocampus. <i>Frontiers in Cellular Neuroscience</i> , <b>2021</b> , 15, 669717 | 6.1  | 1  |
| 1  | BAC transgenic mice to study the expression of P2X2 and P2Y receptors. <i>Purinergic Signalling</i> , <b>2021</b> , 17, 449-465   | 3.8  | 0  |