

# Jose-Rodrigo Rodriguez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9505914/publications.pdf>

Version: 2024-02-01

34  
papers

3,071  
citations

279798

23  
h-index

395702

33  
g-index

36  
all docs

36  
docs citations

36  
times ranked

4088  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Single-Neuron Labeling in Fixed Tissue and Targeted Volume Electron Microscopy. <i>Frontiers in Neuroanatomy</i> , 2022, 16, 852057.   | 1.7  | 1         |
| 2  | Pre-Embedding Immunostaining of Brain Tissue and Three-Dimensional Imaging with FIB-SEM. <i>NeuroMethods</i> , 2021, , 285-302.  | 0.3  | 1         |
| 3  | Estimation of the number of synapses in the hippocampus and brain-wide by volume electron microscopy and genetic labeling. <i>Scientific Reports</i> , 2020, 10, 14014.  | 3.3  | 39        |
| 4  | Ultrastructural, Molecular and Functional Mapping of GABAergic Synapses on Dendritic Spines and Shafts of Neocortical Pyramidal Neurons. <i>Cerebral Cortex</i> , 2019, 29, 2771-2781.                           | 2.9  | 34        |
| 5  | Neuroanatomy from Mesoscopic to Nanoscopic Scales: An Improved Method for the Observation of Semithin Sections by High-Resolution Scanning Electron Microscopy. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 14. | 1.7  | 5         |
| 6  | Volume electron microscopy of the distribution of synapses in the neuropil of the juvenile rat somatosensory cortex. <i>Brain Structure and Function</i> , 2018, 223, 77-90.                                     | 2.3  | 51        |
| 7  | Study of the Size and Shape of Synapses in the Juvenile Rat Somatosensory Cortex with 3D Electron Microscopy. <i>ENeuro</i> , 2018, 5, ENEURO.0377-17.2017.  | 1.9  | 53        |
| 8  | High plasticity of axonal pathology in Alzheimer's disease mouse models. <i>Acta Neuropathologica Communications</i> , 2017, 5, 14.  | 5.2  | 48        |
| 9  | A Fast Method for the Segmentation of Synaptic Junctions and Mitochondria in Serial Electron Microscopic Images of the Brain. <i>Neuroinformatics</i> , 2016, 14, 235-250.                                       | 2.8  | 22        |
| 10 | Reconstruction and Simulation of Neocortical Microcircuitry. <i>Cell</i> , 2015, 163, 456-492.   | 28.9 | 1,258     |
| 11 | Three-dimensional distribution of cortical synapses: a replicated point pattern-based analysis. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 85.  | 1.7  | 49        |
| 12 | Cell types and coincident synapses in the ellipsoid body of <i>Drosophila</i> . <i>European Journal of Neuroscience</i> , 2014, 39, 1586-1601.   | 2.6  | 62        |
| 13 | Three-Dimensional Spatial Distribution of Synapses in the Neocortex: A Dual-Beam Electron Microscopy Study. <i>Cerebral Cortex</i> , 2014, 24, 1579-1588.  | 2.9  | 68        |
| 14 | FIB/SEM Technology and Alzheimer's Disease: Three-Dimensional Analysis of Human Cortical Synapses. <i>Journal of Alzheimer's Disease</i> , 2013, 34, 995-1013.   | 2.6  | 52        |
| 15 | Characterization and extraction of the synaptic apposition surface for synaptic geometry analysis. <i>Frontiers in Neuroanatomy</i> , 2013, 7, 20.   | 1.7  | 33        |
| 16 | A Stereological Study of Synapse Number in the Epileptic Human Hippocampus. <i>Frontiers in Neuroanatomy</i> , 2011, 5, 8.   | 1.7  | 27        |
| 17 | Espina: A Tool for the Automated Segmentation and Counting of Synapses in Large Stacks of Electron Microscopy Images. <i>Frontiers in Neuroanatomy</i> , 2011, 5, 18.  | 1.7  | 64        |
| 18 | A differential evolution algorithm for the detection of synaptic vesicles. , 2011, , .   |      | 1         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | FAST INTERACTIVE QUANTIFICATION OF SYNAPSES IN THE CEREBRAL CORTEX. International Journal on Artificial Intelligence Tools, 2011, 20, 239-252.   | 1.0 | 2         |
| 20 | Differential distribution of neurons in the gyral white matter of the human cerebral cortex. Journal of Comparative Neurology, 2010, 518, 4740-4759.   | 1.6 | 47        |
| 21 | Diminished perisomatic GABAergic terminals on cortical neurons adjacent to amyloid plaques. Frontiers in Neuroanatomy, 2009, 3, 28.  | 1.7 | 105       |
| 22 | Proximity of excitatory and inhibitory axon terminals adjacent to pyramidal cell bodies provides a putative basis for nonsynaptic interactions. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9878-9883. | 7.1 | 27        |
| 23 | Counting synapses using FIB/SEM microscopy: a true revolution for ultrastructural volume reconstruction. Frontiers in Neuroanatomy, 2009, 3, 18.   | 1.7 | 167       |
| 24 | Gender differences in human cortical synaptic density. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14615-14619.  | 7.1 | 170       |
| 25 | Mitochondrial c-Jun NH2-Terminal Kinase Prevents the Accumulation of Reactive Oxygen Species and Reduces Necrotic Damage in Neural Tumor Cells that Lack Trophic Support. Molecular Cancer Research, 2007, 5, 47-60.                                   | 3.4 | 22        |
| 26 | Age-Independent Synaptogenesis by Phosphoinositide 3 Kinase. Journal of Neuroscience, 2006, 26, 10199-10208.   | 3.6 | 95        |
| 27 | Transcription of Drosophila Troponin I Gene Is Regulated by Two Conserved, Functionally Identical, Synergistic Elements. Molecular Biology of the Cell, 2004, 15, 1185-1196.   | 2.1 | 39        |
| 28 | In vitro myelination by oligodendrocyte precursor cells transfected with the neurotrophin-3 gene. Glia, 2004, 47, 78-87.   | 4.9 | 32        |
| 29 | Long-term evolution of local, proximal and remote astrocyte responses after diverse nucleus basalis lesioning (an experimental Alzheimer model): GFAP immunocytochemical study. Brain Research, 2000, 865, 245-258.                                    | 2.2 | 17        |
| 30 | Aromatase expression by astrocytes after brain injury: implications for local estrogen formation in brain repair. Neuroscience, 1999, 89, 567-578.   | 2.3 | 336       |
| 31 | Transport of CSF antibodies to G $\beta$ subunits across neural membranes requires binding to the target protein and protein kinase C activity. Molecular Brain Research, 1999, 65, 151-166.   | 2.3 | 8         |
| 32 | Myr $\alpha$ -G $\beta$ and G $\alpha$ subunits restore the efficacy of opioids, clonidine and neurotensin giving rise to antinociception in G-protein knock-down mice. Neuropharmacology, 1999, 38, 1861-1873.  | 4.1 | 16        |
| 33 | Localization of the insulin-like growth factor I receptor in the cerebellum and hypothalamus of adult rats: an electron microscopic study. Journal of Neurocytology, 1997, 26, 479-490.  | 1.5 | 111       |
| 34 | Expression of histone H1 $\Delta$ in transcriptionally activated supraoptic neurons. Molecular Brain Research, 1995, 29, 317-324.  | 2.3 | 6         |