

# Denis Jabaudon

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

4,464  
citations

172207

29  
h-index

174990

52  
g-index

69  
all docs

69  
docs citations

69  
times ranked

5920  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Usefulness of Ambulatory 7-Day ECG Monitoring for the Detection of Atrial Fibrillation and Flutter After Acute Stroke and Transient Ischemic Attack. <i>Stroke</i> , 2004, 35, 1647-1651.                    | 1.0  | 367       |
| 2  | Inhibition of uptake unmasks rapid extracellular turnover of glutamate of nonvesicular origin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 8733-8738. | 3.3  | 283       |
| 3  | <i>Ctip2</i> Controls the Differentiation of Medium Spiny Neurons and the Establishment of the Cellular Architecture of the Striatum. <i>Journal of Neuroscience</i> , 2008, 28, 622-632.                    | 1.7  | 280       |
| 4  | Temporal patterning of apical progenitors and their daughter neurons in the developing neocortex. <i>Science</i> , 2019, 364, .  | 6.0  | 275       |
| 5  | SOX5 Controls the Sequential Generation of Distinct Corticofugal Neuron Subtypes. <i>Neuron</i> , 2008, 57, 232-247.   | 3.8  | 273       |
| 6  | Sequential transcriptional waves direct the differentiation of newborn neurons in the mouse neocortex. <i>Science</i> , 2016, 351, 1443-1446.  | 6.0  | 264       |
| 7  | Cooperation between independent hippocampal synapses is controlled by glutamate uptake. <i>Nature Neuroscience</i> , 2002, 5, 325-331.   | 7.1  | 227       |
| 8  | Acute decrease in net glutamate uptake during energy deprivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 5610-5615.                              | 3.3  | 219       |
| 9  | SOX6 controls dorsal progenitor identity and interneuron diversity during neocortical development. <i>Nature Neuroscience</i> , 2009, 12, 1238-1247.   | 7.1  | 179       |
| 10 | In vivo reprogramming of circuit connectivity in postmitotic neocortical neurons. <i>Nature Neuroscience</i> , 2013, 16, 193-200.  | 7.1  | 167       |
| 11 | Unveiling the diversity of thalamocortical neuron subtypes. <i>European Journal of Neuroscience</i> , 2012, 35, 1524-1532.   | 1.2  | 154       |
| 12 | Progenitor Hyperpolarization Regulates the Sequential Generation of Neuronal Subtypes in the Developing Neocortex. <i>Cell</i> , 2018, 174, 1264-1276.e15.   | 13.5 | 118       |
| 13 | Modality-specific thalamocortical inputs instruct the identity of postsynaptic L4 neurons. <i>Nature</i> , 2014, 511, 471-474.   | 13.7 | 116       |
| 14 | Area-specific temporal control of corticospinal motor neuron differentiation by COUP-TFI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3576-3581.     | 3.3  | 111       |
| 15 | Fate and freedom in developing neocortical circuits. <i>Nature Communications</i> , 2017, 8, 16042.  | 5.8  | 93        |
| 16 | Temporal plasticity of apical progenitors in the developing mouse neocortex. <i>Nature</i> , 2019, 573, 370-374.   | 13.7 | 88        |
| 17 | Reaching beyond the midline: why are human brains cross wired?. <i>Lancet Neurology</i> , The, 2005, 4, 87-99.   | 4.9  | 87        |
| 18 | Area-specific development of distinct projection neuron subclasses is regulated by postnatal epigenetic modifications. <i>ELife</i> , 2016, 5, e09531.   | 2.8  | 87        |

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|----|---|------|-----------|
| 19 | ROR $\beta^2$ Induces Barrel-like Neuronal Clusters in the Developing Neocortex. <i>Cerebral Cortex</i> , 2012, 22, 996-1006.   | 1.6  | 86        |
| 20 | A cross-modal genetic framework for the development and plasticity of sensory pathways. <i>Nature</i> , 2016, 538, 96-98.   | 13.7 | 67        |
| 21 | Cux1 Enables Interhemispheric Connections of Layer II/III Neurons by Regulating Kv1-Dependent Firing. <i>Neuron</i> , 2016, 89, 494-506.  | 3.8  | 64        |
| 22 | Retinal Input Directs the Recruitment of Inhibitory Interneurons into Thalamic Visual Circuits. <i>Neuron</i> , 2014, 81, 1057-1069.  | 3.8  | 63        |
| 23 | Mapping the molecular and cellular complexity of cortical malformations. <i>Science</i> , 2021, 371, .  | 6.0  | 57        |
| 24 | Migration Speed of Cajal-Retzius Cells Modulated by Vesicular Trafficking Controls the Size of Higher-Order Cortical Areas. <i>Current Biology</i> , 2015, 25, 2466-2478.           | 1.8  | 54        |
| 25 | Excess of serotonin affects neocortical pyramidal neuron migration. <i>Translational Psychiatry</i> , 2011, 1, e47-e47.   | 2.4  | 52        |
| 26 | Transcriptomic and anatomic parcellation of 5-HT3AR expressing cortical interneuron subtypes revealed by single-cell RNA sequencing. <i>Nature Communications</i> , 2017, 8, 14219. | 5.8  | 51        |
| 27 | In vivo pulse labeling of isochronic cohorts of cells in the central nervous system using FlashTag. <i>Nature Protocols</i> , 2018, 13, 2297-2311.                                  | 5.5  | 50        |
| 28 | Principles of progenitor temporal patterning in the developing invertebrate and vertebrate nervous system. <i>Current Opinion in Neurobiology</i> , 2019, 56, 185-193.              | 2.0  | 47        |
| 29 | BDNF stimulates expression, activity and release of tissue-type plasminogen activator in mouse cortical neurons. <i>European Journal of Neuroscience</i> , 1999, 11, 1639-1646.     | 1.2  | 46        |
| 30 | Temporal controls over inter-areal cortical projection neuron fate diversity. <i>Nature</i> , 2021, 599, 453-457.   | 13.7 | 37        |
| 31 | Specific activation of the paralemniscal pathway during nociception. <i>European Journal of Neuroscience</i> , 2014, 39, 1455-1464.   | 1.2  | 33        |
| 32 | A Translaminar Genetic Logic for the Circuit Identity of Intracortically Projecting Neurons. <i>Current Biology</i> , 2019, 29, 332-339.e5.   | 1.8  | 33        |
| 33 | Input-dependent regulation of excitability controls dendritic maturation in somatosensory thalamocortical neurons. <i>Nature Communications</i> , 2017, 8, 2015.                    | 5.8  | 30        |
| 34 | Coupling progenitor and neuronal diversity in the developing neocortex. <i>FEBS Letters</i> , 2017, 591, 3960-3977.   | 1.3  | 29        |
| 35 | In vivo rapid gene delivery into postmitotic neocortical neurons using iontoporation. <i>Nature Protocols</i> , 2015, 10, 25-32.  | 5.5  | 20        |
| 36 | Exploring landscapes of brain morphogenesis with organoids. <i>Development (Cambridge)</i> , 2018, 145, .   | 1.2  | 20        |

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|----|---|------|-----------|
| 37 | Inhibition of Trpv4 rescues circuit and social deficits unmasked by acute inflammatory response in a Shank3 mouse model of Autism. <i>Molecular Psychiatry</i> , 2022, 27, 2080-2094. | 4.1  | 20        |
| 38 | Synaptic biology of barrel cortex circuit assembly. <i>Seminars in Cell and Developmental Biology</i> , 2014, 35, 156-164.  | 2.3  | 19        |
| 39 | Corticospinal neuron subpopulation-specific developmental genes prospectively indicate mature segmentally specific axon projection targeting. <i>Cell Reports</i> , 2021, 37, 109843. | 2.9  | 19        |
| 40 | Pathogenesis and Diagnostic Pitfalls of Ventricular Diverticula: Case Report and Review of the Literature. <i>Neurosurgery</i> , 2003, 52, 209-212.                                   | 0.6  | 17        |
| 41 | Transcriptional Dysregulation in Postnatal Glutamatergic Progenitors Contributes to Closure of the Cortical Neurogenic Period. <i>Cell Reports</i> , 2018, 22, 2567-2574.             | 2.9  | 16        |
| 42 | Patterning of pre-thalamic somatosensory pathways. <i>European Journal of Neuroscience</i> , 2012, 35, 1533-1539.   | 1.2  | 15        |
| 43 | A mixed model of neuronal diversity. <i>Nature</i> , 2018, 555, 452-454.  | 13.7 | 15        |
| 44 | Do progenitors play dice?. <i>ELife</i> , 2020, 9, .  | 2.8  | 13        |
| 45 | miR-137 and miR-122, two outer subventricular zone non-coding RNAs, regulate basal progenitor expansion and neuronal differentiation. <i>Cell Reports</i> , 2022, 38, 110381.         | 2.9  | 13        |
| 46 | Preattentive interference between touch and audition: a case study on multisensory alloesthesia. <i>NeuroReport</i> , 2005, 16, 865-868.  | 0.6  | 12        |
| 47 | Nurturing the cortex's thalamic nature. <i>Current Opinion in Neurology</i> , 2014, 27, 142-148.  | 1.8  | 12        |
| 48 | PlexinA4-Semaphorin3A-mediated crosstalk between main cortical interneuron classes is required for superficial interneuron lamination. <i>Cell Reports</i> , 2021, 34, 108644.        | 2.9  | 10        |
| 49 | An Early Cortical Progenitor-Specific Mechanism Regulates Thalamocortical Innervation. <i>Journal of Neuroscience</i> , 2021, 41, 6822-6835.  | 1.7  | 10        |
| 50 | Heterogeneous fates of simultaneously-born neurons in the cortical ventricular zone. <i>Scientific Reports</i> , 2022, 12, 6022.  | 1.6  | 8         |
| 51 | Development and plasticity of thalamocortical systems. <i>European Journal of Neuroscience</i> , 2012, 35, 1522-1523.   | 1.2  | 3         |
| 52 | Light-dependent development is tailored in visual neurons. <i>Nature</i> , 2022, 603, 37-38.  | 13.7 | 1         |
| 53 | Spontaneous carotid artery dissection. <i>Neurology</i> , 2004, 62, 281-281.  | 1.5  | 0         |
| 54 | Are Cola Drinkers at Risk of Hypovitaminosis C?. <i>Archives of Internal Medicine</i> , 2004, 164, 2281.  | 4.3  | 0         |