

# Jovica Ninkovic

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

5,150  
citations

117625

34  
h-index

149698

56  
g-index

60  
all docs

60  
docs citations

60  
times ranked

7145  
citing authors

#	ARTICLE	IF	CITATIONS
1	Astrocytic Insulin Signaling Couples Brain Glucose Uptake with Nutrient Availability. <i>Cell</i> , 2016, 166, 867-880.	28.9	382
2	Live imaging of astrocyte responses to acute injury reveals selective juxtavascular proliferation. <i>Nature Neuroscience</i> , 2013, 16, 580-586.	14.8	340
3	In Vivo Fate Mapping and Expression Analysis Reveals Molecular Hallmarks of Prospectively Isolated Adult Neural Stem Cells. <i>Cell Stem Cell</i> , 2010, 7, 744-758.	11.1	337
4	Adult generation of glutamatergic olfactory bulb interneurons. <i>Nature Neuroscience</i> , 2009, 12, 1524-1533.	14.8	325
5	Vasculature Guides Migrating Neuronal Precursors in the Adult Mammalian Forebrain via Brain-Derived Neurotrophic Factor Signaling. <i>Journal of Neuroscience</i> , 2009, 29, 4172-4188.	3.6	310
6	Distinct Modes of Neuron Addition in Adult Mouse Neurogenesis. <i>Journal of Neuroscience</i> , 2007, 27, 10906-10911.	3.6	226
7	The BAF Complex Interacts with Pax6 in Adult Neural Progenitors to Establish a Neurogenic Cross-Regulatory Transcriptional Network. <i>Cell Stem Cell</i> , 2013, 13, 403-418.	11.1	196
8	Stab wound injury of the zebrafish telencephalon: A model for comparative analysis of reactive gliosis. <i>Glia</i> , 2012, 60, 343-357.	4.9	189
9	The zebrafish as a model system for assessing the reinforcing properties of drugs of abuse. <i>Methods</i> , 2006, 39, 262-274.	3.8	188
10	A Dlx2- and Pax6-Dependent Transcriptional Code for Periglomerular Neuron Specification in the Adult Olfactory Bulb. <i>Journal of Neuroscience</i> , 2008, 28, 6439-6452.	3.6	185
11	Amplification of progenitors in the mammalian telencephalon includes a new radial glial cell type. <i>Nature Communications</i> , 2013, 4, 2125.	12.8	178
12	Fast clonal expansion and limited neural stem cell self-renewal in the adult subependymal zone. <i>Nature Neuroscience</i> , 2015, 18, 490-492.	14.8	160
13	Live imaging of adult neural stem cell behavior in the intact and injured zebrafish brain. <i>Science</i> , 2015, 348, 789-793.	12.6	156
14	Signaling in adult neurogenesis: from stem cell niche to neuronal networks. <i>Current Opinion in Neurobiology</i> , 2007, 17, 338-344.	4.2	135
15	Defining the Adult Neural Stem Cell Niche Proteome Identifies Key Regulators of Adult Neurogenesis. <i>Cell Stem Cell</i> , 2020, 26, 277-293.e8.	11.1	109
16	AP2 $\beta$ regulates basal progenitor fate in a region- and layer-specific manner in the developing cortex. <i>Nature Neuroscience</i> , 2009, 12, 1229-1237.	14.8	101
17	The Transcription Factor Pax6 Regulates Survival of Dopaminergic Olfactory Bulb Neurons via Crystallin $\beta$ A. <i>Neuron</i> , 2010, 68, 682-694.	8.1	98
18	Segregation of telencephalic and eye-field identities inside the zebrafish forebrain territory is controlled by Rx3. <i>Development (Cambridge)</i> , 2006, 133, 2925-2935.	2.5	95

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19	The role of Pax6 in regulating the orientation and mode of cell division of progenitors in the mouse cerebral cortex. <i>Development (Cambridge)</i> , 2011, 138, 5067-5078.	2.5	94
20	Genetic identification of AChE as a positive modulator of addiction to the psychostimulant D-amphetamine in zebrafish. <i>Journal of Neurobiology</i> , 2006, 66, 463-475.	3.6	93
21	Mcidas and GemC1/Lynkeas are key regulators for the generation of multiciliated ependymal cells in the adult neurogenic niche. <i>Development (Cambridge)</i> , 2015, 142, 3661-74.	2.5	91
22	Increased radial glia quiescence, decreased reactivation upon injury and unaltered neuroblast behavior underlie decreased neurogenesis in the aging zebrafish telencephalon. <i>Journal of Comparative Neurology</i> , 2013, 521, 3099-3115.	1.6	79
23	Anti-ACSA-2 defines a novel monoclonal antibody for prospective isolation of living neonatal and adult astrocytes. <i>Glia</i> , 2017, 65, 990-1004.	4.9	74
24	Pax6 Interactions with Chromatin and Identification of Its Novel Direct Target Genes in Lens and Forebrain. <i>PLoS ONE</i> , 2013, 8, e54507.	2.5	72
25	Zebrafish reward mutants reveal novel transcripts mediating the behavioral effects of amphetamine. <i>Genome Biology</i> , 2009, 10, R81.	9.6	71
26	Functional dissection of the paired domain of Pax6 reveals molecular mechanisms of coordinating neurogenesis and proliferation. <i>Development (Cambridge)</i> , 2013, 140, 1123-1136.	2.5	67
27	Prospective isolation of adult neural stem cells from the mouse subependymal zone. <i>Nature Protocols</i> , 2011, 6, 1981-1989.	12.0	58
28	Targeted removal of epigenetic barriers during transcriptional reprogramming. <i>Nature Communications</i> , 2019, 10, 2119.	12.8	58
29	RNA-binding proteins balance brain function in health and disease. <i>Physiological Reviews</i> , 2021, 101, 1309-1370.	28.8	57
30	Adult neural stem cell activation in mice is regulated by the day/night cycle and intracellular calcium dynamics. <i>Cell</i> , 2021, 184, 709-722.e13.	28.9	54
31	Choroid plexus-derived miR-204 regulates the number of quiescent neural stem cells in the adult brain. <i>EMBO Journal</i> , 2019, 38, e100481.	7.8	52
32	Regeneration of the central nervous system-principles from brain regeneration in adult zebrafish. <i>World Journal of Stem Cells</i> , 2020, 12, 8-24.	2.8	52
33	Inhibition of neurogenesis at the zebrafish midbrain-hindbrain boundary by the combined and dose-dependent activity of a new hairy/E(spl) gene pair. <i>Development (Cambridge)</i> , 2005, 132, 75-88.	2.5	43
34	Fate specification in the adult brain – lessons for eliciting neurogenesis from glial cells. <i>BioEssays</i> , 2013, 35, 242-252.	2.5	41
35	Time-Specific Effects of Spindle Positioning on Embryonic Progenitor Pool Composition and Adult Neural Stem Cell Seeding. <i>Neuron</i> , 2017, 93, 777-791.e3.	8.1	36
36	Restrictions in time and space – new insights into generation of specific neuronal subtypes in the adult mammalian brain. <i>European Journal of Neuroscience</i> , 2011, 33, 1045-1054.	2.6	35

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37	Increasing Neural Stem Cell Division Asymmetry and Quiescence Are Predicted to Contribute to the Age-Related Decline in Neurogenesis. <i>Cell Reports</i> , 2018, 25, 3231-3240.e8.	6.4	35
38	The Aryl Hydrocarbon Receptor Pathway Defines the Time Frame for Restorative Neurogenesis. <i>Cell Reports</i> , 2018, 25, 3241-3251.e5.	6.4	34
39	One step generation of customizable gRNA vectors for multiplex CRISPR approaches through string assembly gRNA cloning (STAgR). <i>PLoS ONE</i> , 2018, 13, e0196015.	2.5	27
40	Parkinson's disease motor symptoms rescue by CRISPRa-mediated reprogramming astrocytes into GABAergic neurons. <i>EMBO Molecular Medicine</i> , 2022, 14, e14797.	6.9	26
41	In vivo odourant response properties of migrating adult-born neurons in the mouse olfactory bulb. <i>Nature Communications</i> , 2015, 6, 6349.	12.8	25
42	Adult neural stem cell behavior underlying constitutive and restorative neurogenesis in zebrafish. <i>Neurogenesis (Austin, Tex)</i> , 2016, 3, e1148101.	1.5	21
43	In situ detection of histone variants and modifications in mouse brain using imaging mass spectrometry. <i>Proteomics</i> , 2016, 16, 437-447.	2.2	19
44	Changes in the Proliferative Program Limit Astrocyte Homeostasis in the Aged Post-Traumatic Murine Cerebral Cortex. <i>Cerebral Cortex</i> , 2017, 27, 4213-4228.	2.9	17
45	Dendritic Arborization Patterns of Small Juxtglomerular Cell Subtypes within the Rodent Olfactory Bulb. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 127.	1.7	16
46	Single-cell in vivo imaging of adult neural stem cells in the zebrafish telencephalon. <i>Nature Protocols</i> , 2016, 11, 1360-1370.	12.0	15
47	The Surface Proteome of Adult Neural Stem Cells in Zebrafish Unveils Long-Range Cell-Cell Connections and Age-Related Changes in Responsiveness to IGF. <i>Stem Cell Reports</i> , 2019, 12, 258-273.	4.8	15
48	How to make neuronsâ€”thoughts on the molecular logic of neurogenesis in the central nervous system. <i>Cell and Tissue Research</i> , 2015, 359, 5-16.	2.9	13
49	Gsk3 $\beta$ /PKA and Gli1 regulate the maintenance of neural progenitors at the midbrain-hindbrain boundary in concert with E(Spl) factor activity. <i>Development (Cambridge)</i> , 2008, 135, 3137-3148.	2.5	11
50	Granulins Regulate Aging Kinetics in the Adult Zebrafish Telencephalon. <i>Cells</i> , 2020, 9, 350.	4.1	11
51	Functional dissection of the Pax6 paired domain: Roles in neural tube patterning and peripheral nervous system development. <i>Developmental Biology</i> , 2016, 413, 86-103.	2.0	9
52	Understanding direct neuronal reprogramming â€” from pioneer factors to 3D chromatin. <i>Current Opinion in Genetics and Development</i> , 2018, 52, 65-69.	3.3	8
53	Innate Immune Pathways Promote Oligodendrocyte Progenitor Cell Recruitment to the Injury Site in Adult Zebrafish Brain. <i>Cells</i> , 2022, 11, 520.	4.1	4
54	A Time and Place for Understanding Neural Stem Cell Specification. <i>Developmental Cell</i> , 2014, 30, 114-115.	7.0	3

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55	Fluorescence-Activated Cell Sorting-Based Isolation and Characterization of Neural Stem Cells from the Adult Zebrafish Telencephalon. <i>Methods in Molecular Biology</i> , 2019, 1938, 49-66.	0.9	3
56	Electroporation Method for In Vivo Delivery of Plasmid DNA in the Adult Zebrafish Telencephalon. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	1
57	The role of Pax6 in regulating the orientation and mode of cell division of progenitors in the mouse cerebral cortex. <i>Journal of Cell Science</i> , 2011, 124, e1-e1.	2.0	0