

Simone Codeluppi

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.

39
papers

6,828
citations

23
h-index

44
g-index

44
ext. papers

9,537
ext. citations

15.8
avg, IF

5.38
L-index

#	Paper	IF	Citations
39	Brain structure. Cell types in the mouse cortex and hippocampus revealed by single-cell RNA-seq. <i>Science</i> , 2015 , 347, 1138-42	33.3	1883
38	Molecular Architecture of the Mouse Nervous System. <i>Cell</i> , 2018 , 174, 999-1014.e22	56.2	1081
37	Visualization and analysis of gene expression in tissue sections by spatial transcriptomics. <i>Science</i> , 2016 , 353, 78-82	33.3	944
36	Oligodendrocyte heterogeneity in the mouse juvenile and adult central nervous system. <i>Science</i> , 2016 , 352, 1326-1329	33.3	497
35	Single-Cell RNA-Seq Reveals Lineage and X Chromosome Dynamics in Human Preimplantation Embryos. <i>Cell</i> , 2016 , 165, 1012-26	56.2	475
34	Molecular Diversity of Midbrain Development in Mouse, Human, and Stem Cells. <i>Cell</i> , 2016 , 167, 566-580.e19	56.2	425
33	Spatial organization of the somatosensory cortex revealed by osmFISH. <i>Nature Methods</i> , 2018 , 15, 932-935.6	35.6	195
32	Tsc2-Rheb signaling regulates EphA-mediated axon guidance. <i>Nature Neuroscience</i> , 2010 , 13, 163-72	25.5	193
31	The Rheb-mTOR pathway is upregulated in reactive astrocytes of the injured spinal cord. <i>Journal of Neuroscience</i> , 2009 , 29, 1093-104	6.6	126
30	A comparative strategy for single-nucleus and single-cell transcriptomes confirms accuracy in predicted cell-type expression from nuclear RNA. <i>Scientific Reports</i> , 2017 , 7, 6031	4.9	115
29	Inhibition by spinal mu- and delta-opioid agonists of afferent-evoked substance P release. <i>Journal of Neuroscience</i> , 2005 , 25, 3651-60	6.6	104
28	Accurate length determination of DNA molecules visualized by atomic force microscopy: evidence for a partial B- to A-form transition on mica. <i>Ultramicroscopy</i> , 2001 , 87, 55-66	3.1	101
27	Collagen antibody-induced arthritis evokes persistent pain with spinal glial involvement and transient prostaglandin dependency. <i>Arthritis and Rheumatism</i> , 2012 , 64, 3886-96		78
26	Spinal glial TLR4-mediated nociception and production of prostaglandin E(2) and TNF. <i>British Journal of Pharmacology</i> , 2010 , 160, 1754-64	8.6	77
25	Nogo receptor 1 regulates formation of lasting memories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 20476-81	11.5	72
24	Mammalian target of rapamycin in spinal cord neurons mediates hypersensitivity induced by peripheral inflammation. <i>Neuroscience</i> , 2010 , 169, 1392-402	3.9	69
23	Visualizing RNA extrusion and DNA wrapping in transcription elongation complexes of bacterial and eukaryotic RNA polymerases. <i>Journal of Molecular Biology</i> , 2003 , 326, 1413-26	6.5	59

22	Spinal actions of lipoxin A4 and 17(R)-resolvin D1 attenuate inflammation-induced mechanical hypersensitivity and spinal TNF release. <i>PLoS ONE</i> , 2013 , 8, e75543	3.7	58
21	Imatinib enhances functional outcome after spinal cord injury. <i>PLoS ONE</i> , 2012 , 7, e38760	3.7	41
20	Influence of rat substrain and growth conditions on the characteristics of primary cultures of adult rat spinal cord astrocytes. <i>Journal of Neuroscience Methods</i> , 2011 , 197, 118-27	3	35
19	Cartilage-binding antibodies induce pain through immune complex-mediated activation of neurons. <i>Journal of Experimental Medicine</i> , 2019 , 216, 1904-1924	16.6	34
18	Interleukin-6 secretion by astrocytes is dynamically regulated by PI3K-mTOR-calcium signaling. <i>PLoS ONE</i> , 2014 , 9, e92649	3.7	28
17	Disrupted Neuroglial Metabolic Coupling after Peripheral Surgery. <i>Journal of Neuroscience</i> , 2018 , 38, 452-464	6.6	26
16	Spinal release of tumour necrosis factor activates c-Jun N-terminal kinase and mediates inflammation-induced hypersensitivity. <i>European Journal of Pain</i> , 2015 , 19, 260-70	3.7	17
15	Pentoxifylline and propentofylline prevent proliferation and activation of the mammalian target of rapamycin and mitogen activated protein kinase in cultured spinal astrocytes. <i>Journal of Neuroscience Research</i> , 2013 , 91, 300-12	4.4	15
14	Cell segmentation-free inference of cell types from in situ transcriptomics data. <i>Nature Communications</i> , 2021 , 12, 3545	17.4	14
13	Molecular architecture of the mouse nervous system		10
12	Cell segmentation-free inference of cell types from in situ transcriptomics data		9
11	Spatial organization of the somatosensory cortex revealed by cyclic smFISH		8
10	BCG-induced cytokine release in bladder cancer cells is regulated by Ca signaling. <i>Molecular Oncology</i> , 2019 , 13, 202-211	7.9	7
9	A cell fitness selection model for neuronal survival during development. <i>Nature Communications</i> , 2019 , 10, 4137	17.4	6
8	An ex vivo spinal cord injury model to study ependymal cells in adult mouse tissue. <i>Experimental Cell Research</i> , 2017 , 357, 236-242	4.2	5
7	Spatial tissue profiling by imaging-free molecular tomography. <i>Nature Biotechnology</i> , 2021 , 39, 968-977	44.5	5
6	Spatial and cellular characterization of mTORC1 activation after spinal cord injury reveals biphasic increase mainly attributed to microglia/macrophages. <i>Brain Pathology</i> , 2014 , 24, 557-67	6	4
5	Single-cell transcriptomic profiling of progenitors of the oligodendrocyte lineage reveals transcriptional convergence during development		4

4	Response to the report, "A re-assessment of treatment with a tyrosine kinase inhibitor (imatinib) on tissue sparing and functional recovery after spinal cord injury" by Sharp et al. <i>Experimental Neurology</i> , 2014 , 257, 182-5	5.7	2
3	GRK3 deficiency elicits brain immune activation and psychosis. <i>Molecular Psychiatry</i> , 2021 ,	15.1	2
2	Spatial tissue profiling by imaging-free molecular tomography		1
1	Human ex vivo spinal cord slice culture as a useful model of neural development, lesion, and allogeneic neural cell therapy. <i>Stem Cell Research and Therapy</i> , 2020 , 11, 320	8.3	1