

Simone Codeluppi

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

11,221
citations

257101

24
h-index

360668

35
g-index

44
all docs

44
docs citations

44
times ranked

18023
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell types in the mouse cortex and hippocampus revealed by single-cell RNA-seq. <i>Science</i> , 2015, 347, 1138-1142.	6.0	2,779
2	Molecular Architecture of the Mouse Nervous System. <i>Cell</i> , 2018, 174, 999-1014.e22.	13.5	2,002
3	Visualization and analysis of gene expression in tissue sections by spatial transcriptomics. <i>Science</i> , 2016, 353, 78-82.	6.0	1,983
4	Single-Cell RNA-Seq Reveals Lineage and X Chromosome Dynamics in Human Preimplantation Embryos. <i>Cell</i> , 2016, 165, 1012-1026.	13.5	830
5	Oligodendrocyte heterogeneity in the mouse juvenile and adult central nervous system. <i>Science</i> , 2016, 352, 1326-1329.	6.0	817
6	Molecular Diversity of Midbrain Development in Mouse, Human, and Stem Cells. <i>Cell</i> , 2016, 167, 566-580.e19.	13.5	687
7	Spatial organization of the somatosensory cortex revealed by osmFISH. <i>Nature Methods</i> , 2018, 15, 932-935.	9.0	402
8	Tsc2-Rheb signaling regulates EphA-mediated axon guidance. <i>Nature Neuroscience</i> , 2010, 13, 163-172.	7.1	235
9	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.	1.6	209
10	The Rheb-mTOR Pathway Is Upregulated in Reactive Astrocytes of the Injured Spinal Cord. <i>Journal of Neuroscience</i> , 2009, 29, 1093-1104.	1.7	136
11	Inhibition by Spinal $\tilde{\text{A}}$ - and $\tilde{\text{A}}$ -Opioid Agonists of Afferent-Evoked Substance P Release. <i>Journal of Neuroscience</i> , 2005, 25, 3651-3660.	1.7	112
12	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.	0.8	108
13	Collagen antibody-induced arthritis evokes persistent pain with spinal glial involvement and transient prostaglandin dependency. <i>Arthritis and Rheumatism</i> , 2012, 64, 3886-3896.	6.7	97
14	Spinal glial TLR4-mediated nociception and production of prostaglandin E ₂ and TNF. <i>British Journal of Pharmacology</i> , 2010, 160, 1754-1764.	2.7	92
15	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, 20476-20481.	3.3	76
16	Mammalian target of rapamycin in spinal cord neurons mediates hypersensitivity induced by peripheral inflammation. <i>Neuroscience</i> , 2010, 169, 1392-1402.	1.1	76
17	Cartilage-binding antibodies induce pain through immune complex-mediated activation of neurons. <i>Journal of Experimental Medicine</i> , 2019, 216, 1904-1924.	4.2	71
18	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.	1.1	65

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19	Visualizing RNA Extrusion and DNA Wrapping in Transcription Elongation Complexes of Bacterial and Eukaryotic RNA Polymerases. <i>Journal of Molecular Biology</i> , 2003, 326, 1413-1426.	2.0	62
20	Cell segmentation-free inference of cell types from in situ transcriptomics data. <i>Nature Communications</i> , 2021, 12, 3545.	5.8	52
21	Imatinib Enhances Functional Outcome after Spinal Cord Injury. <i>PLoS ONE</i> , 2012, 7, e38760.	1.1	48
22	Disrupted Neuroglial Metabolic Coupling after Peripheral Surgery. <i>Journal of Neuroscience</i> , 2018, 38, 452-464.	1.7	44
23	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, 118-127.	1.3	42
24	Interleukin-6 Secretion by Astrocytes Is Dynamically Regulated by PI3K-mTOR-Calcium Signaling. <i>PLoS ONE</i> , 2014, 9, e92649.	1.1	31
25	Spinal release of tumour necrosis factor activates $\text{N}^{\text{terminal}}$ kinase and mediates inflammation-induced hypersensitivity. <i>European Journal of Pain</i> , 2015, 19, 260-270.	1.4	18
26	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, 300-312.	1.3	17
27	Spatial tissue profiling by imaging-free molecular tomography. <i>Nature Biotechnology</i> , 2021, 39, 968-977.	9.4	16
28	An ex vivo spinal cord injury model to study ependymal cells in adult mouse tissue. <i>Experimental Cell Research</i> , 2017, 357, 236-242.	1.2	12
29	GRK3 deficiency elicits brain immune activation and psychosis. <i>Molecular Psychiatry</i> , 2021, 26, 6820-6832.	4.1	12
30	A cell fitness selection model for neuronal survival during development. <i>Nature Communications</i> , 2019, 10, 4137.	5.8	10
31	BCG-induced cytokine release in bladder cancer cells is regulated by Ca^{2+} signaling. <i>Molecular Oncology</i> , 2019, 13, 202-211.	2.1	9
32	Spatial and Cellular Characterization of mTORC 1 Activation after Spinal Cord Injury Reveals Biphasic Increase Mainly Attributed to Microglia/Macrophages. <i>Brain Pathology</i> , 2014, 24, 557-567.	2.1	5
33	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.	2.4	4
34	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, 182-185.	2.0	2