

Bosiljka Tasic

List of Publications by Year in descending order

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57
papers

15,005
citations

93792

39
h-index

169272

56
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98
all docs

98
docs citations

98
times ranked

18924
citing authors

#	ARTICLE	IF	CITATIONS
1	Dense functional and molecular readout of a circuit hub in sensory cortex. <i>Science</i> , 2022, 375, eabl5981.	6.0	36
2	Local connectivity and synaptic dynamics in mouse and human neocortex. <i>Science</i> , 2022, 375, eabj5861.	6.0	124
3	Single-cell transcriptomic classification of rabies-infected cortical neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	19
4	Regional, Layer, and Cell-Type-Specific Connectivity of the Mouse Default Mode Network. <i>Neuron</i> , 2021, 109, 545-559.e8.	3.8	94
5	Consistent cross-modal identification of cortical neurons with coupled autoencoders. <i>Nature Computational Science</i> , 2021, 1, 120-127.	3.8	29
6	Alternating sources of perisomatic inhibition during behavior. <i>Neuron</i> , 2021, 109, 997-1012.e9.	3.8	67
7	Functional enhancer elements drive subclass-selective expression from mouse to primate neocortex. <i>Cell Reports</i> , 2021, 34, 108754.	2.9	88
8	Enhancer viruses for combinatorial cell-subclass-specific labeling. <i>Neuron</i> , 2021, 109, 1449-1464.e13.	3.8	93
9	Cell segmentation-free inference of cell types from in situ transcriptomics data. <i>Nature Communications</i> , 2021, 12, 3545.	5.8	52
10	A taxonomy of transcriptomic cell types across the isocortex and hippocampal formation. <i>Cell</i> , 2021, 184, 3222-3241.e26.	13.5	479
11	Control of impulsivity by Gi-protein signalling in layer-5 pyramidal neurons of the anterior cingulate cortex. <i>Communications Biology</i> , 2021, 4, 662.	2.0	15
12	Scaled, high fidelity electrophysiological, morphological, and transcriptomic cell characterization. <i>ELife</i> , 2021, 10, .	2.8	33
13	Signature morpho-electric, transcriptomic, and dendritic properties of human layer 5 neocortical pyramidal neurons. <i>Neuron</i> , 2021, 109, 2914-2927.e5.	3.8	54
14	Single-cell and single-nucleus RNA-seq uncovers shared and distinct axes of variation in dorsal LGN neurons in mice, non-human primates, and humans. <i>ELife</i> , 2021, 10, .	2.8	41
15	A transcriptomic and epigenomic cell atlas of the mouse primary motor cortex. <i>Nature</i> , 2021, 598, 103-110.	13.7	166
16	Morphological diversity of single neurons in molecularly defined cell types. <i>Nature</i> , 2021, 598, 174-181.	13.7	180
17	Isoform cell-type specificity in the mouse primary motor cortex. <i>Nature</i> , 2021, 598, 195-199.	13.7	52
18	Human neocortical expansion involves glutamatergic neuron diversification. <i>Nature</i> , 2021, 598, 151-158.	13.7	160

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19	Comparative cellular analysis of motor cortex in human, marmoset and mouse. <i>Nature</i> , 2021, 598, 111-119.	13.7	361
20	A multimodal cell census and atlas of the mammalian primary motor cortex. <i>Nature</i> , 2021, 598, 86-102.	13.7	316
21	Integrated Morphoelectric and Transcriptomic Classification of Cortical GABAergic Cells. <i>Cell</i> , 2020, 183, 935-953.e19.	13.5	290
22	RecV recombinase system for in vivo targeted optogenomic modifications of single cells or cell populations. <i>Nature Methods</i> , 2020, 17, 422-429.	9.0	36
23	Common cell type nomenclature for the mammalian brain. <i>ELife</i> , 2020, 9, .	2.8	56
24	Multimodal Analysis of Cell Types in a Hypothalamic Node Controlling Social Behavior. <i>Cell</i> , 2019, 179, 713-728.e17.	13.5	186
25	Conserved cell types with divergent features in human versus mouse cortex. <i>Nature</i> , 2019, 573, 61-68.	13.7	1,198
26	Classification of electrophysiological and morphological neuron types in the mouse visual cortex. <i>Nature Neuroscience</i> , 2019, 22, 1182-1195.	7.1	333
27	Single-cell transcriptomic evidence for dense intracortical neuropeptide networks. <i>ELife</i> , 2019, 8, .	2.8	98
28	Single-cell profiling of the developing mouse brain and spinal cord with split-pool barcoding. <i>Science</i> , 2018, 360, 176-182.	6.0	961
29	Cell types behaving in their natural habitat. <i>Science</i> , 2018, 362, 749-750.	6.0	0
30	Single-nucleus and single-cell transcriptomes compared in matched cortical cell types. <i>PLoS ONE</i> , 2018, 13, e0209648.	1.1	400
31	Distinct descending motor cortex pathways and their roles in movement. <i>Nature</i> , 2018, 563, 79-84.	13.7	320
32	Shared and distinct transcriptomic cell types across neocortical areas. <i>Nature</i> , 2018, 563, 72-78.	13.7	1,323
33	A Suite of Transgenic Driver and Reporter Mouse Lines with Enhanced Brain-Cell-Type Targeting and Functionality. <i>Cell</i> , 2018, 174, 465-480.e22.	13.5	571
34	Single cell transcriptomics in neuroscience: cell classification and beyond. <i>Current Opinion in Neurobiology</i> , 2018, 50, 242-249.	2.0	71
35	Identification of preoptic sleep neurons using retrograde labelling and gene profiling. <i>Nature</i> , 2017, 545, 477-481.	13.7	246
36	SmartScope2: Simultaneous Imaging and Reconstruction of Neuronal Morphology. <i>Scientific Reports</i> , 2017, 7, 9325.	1.6	8

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37	Single-Cell Transcriptomic Characterization of Vertebrate Brain Composition, Development, and Function. , 2017, , 437-468.		7
38	Layer-specific chromatin accessibility landscapes reveal regulatory networks in adult mouse visual cortex. ELife, 2017, 6, .	2.8	73
39	Aberrant Cortical Activity in Multiple GCaMP6-Expressing Transgenic Mouse Lines. ENeuro, 2017, 4, ENEURO.0207-17.2017.	0.9	221
40	Disentangling neural cell diversity using single-cell transcriptomics. Nature Neuroscience, 2016, 19, 1131-1141.	7.1	283
41	Adult mouse cortical cell taxonomy revealed by single cell transcriptomics. Nature Neuroscience, 2016, 19, 335-346.	7.1	1,522
42	Transgenic Mice for Intersectional Targeting of Neural Sensors and Effectors with High Specificity and Performance. Neuron, 2015, 85, 942-958.	3.8	992
43	DICE, an efficient system for iterative genomic editing in human pluripotent stem cells. Nucleic Acids Research, 2014, 42, e34-e34.	6.5	94
44	A molecular basis for classic blond hair color in Europeans. Nature Genetics, 2014, 46, 748-752.	9.4	154
45	Kv1.1-dependent control of hippocampal neuron number as revealed by mosaic analysis with double markers. Journal of Physiology, 2012, 590, 2645-2658.	1.3	12
46	Functional Significance of Isoform Diversification in the Protocadherin Gamma Gene Cluster. Neuron, 2012, 75, 402-409.	3.8	100
47	Extensions of MADM (Mosaic Analysis with Double Markers) in Mice. PLoS ONE, 2012, 7, e33332.	1.1	49
48	Site-specific integrase-mediated transgenesis in mice via pronuclear injection. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7902-7907.	3.3	214
49	Cortical representations of olfactory input by trans-synaptic tracing. Nature, 2011, 472, 191-196.	13.7	478
50	Visualizing the Distribution of Synapses from Individual Neurons in the Mouse Brain. PLoS ONE, 2010, 5, e11503.	1.1	112
51	The Q System: A Repressible Binary System for Transgene Expression, Lineage Tracing, and Mosaic Analysis. Cell, 2010, 141, 536-548.	13.5	531
52	Identification of long-range regulatory elements in the protocadherin- γ gene cluster. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19719-19724.	3.3	106
53	Delay in Synthesis of the 3' Splice Site Promotes trans-Splicing of the Preceding 5' Splice Site. Molecular Cell, 2005, 18, 245-251.	4.5	39
54	Promoter Choice Determines Splice Site Selection in Protocadherin γ and β Pre-mRNA Splicing. Molecular Cell, 2002, 10, 21-33.	4.5	271

#	ARTICLE	IF	CITATIONS
55	Alternative pre-mRNA splicing and proteome expansion in metazoans. Nature, 2002, 418, 236-243.	13.7	705
56	Interaction of different third intracellular loop fragments of human dopamine d2l receptor with a-subunit of gi1 protein - prospective therapeutic application. Journal of Medical Biochemistry, 2002, 21, 9-14.	0.1	0
57	A Suite of Transgenic Driver and Reporter Mouse Lines with Enhanced Brain Cell Type Targeting and Functionality. SSRN Electronic Journal, 0, , .	0.4	2