

# Anna V Molofsky

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

7,939  
citations

236612

25  
h-index

454577

30  
g-index

36  
all docs

36  
docs citations

36  
times ranked

10824  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bmi-1 dependence distinguishes neural stem cell self-renewal from progenitor proliferation. <i>Nature</i> , 2003, 425, 962-967.	13.7	1,217
2	Reactive astrocyte nomenclature, definitions, and future directions. <i>Nature Neuroscience</i> , 2021, 24, 312-325.	7.1	1,098
3	Increasing p16INK4a expression decreases forebrain progenitors and neurogenesis during ageing. <i>Nature</i> , 2006, 443, 448-452.	13.7	895
4	Astrocytes and disease: a neurodevelopmental perspective. <i>Genes and Development</i> , 2012, 26, 891-907.	2.7	578
5	Bmi-1 promotes neural stem cell self-renewal and neural development but not mouse growth and survival by repressing the p16Ink4a and p19Arf senescence pathways. <i>Genes and Development</i> , 2005, 19, 1432-1437.	2.7	535
6	Regional Astrocyte Allocation Regulates CNS Synaptogenesis and Repair. <i>Science</i> , 2012, 337, 358-362.	6.0	448
7	Astrocyte-derived interleukin-33 promotes microglial synapse engulfment and neural circuit development. <i>Science</i> , 2018, 359, 1269-1273.	6.0	422
8	Microglial Remodeling of the Extracellular Matrix Promotes Synapse Plasticity. <i>Cell</i> , 2020, 182, 388-403.e15.	13.5	337
9	Diverse mechanisms regulate stem cell self-renewal. <i>Current Opinion in Cell Biology</i> , 2004, 16, 700-707.	2.6	290
10	Astrocytes and Microglia: In Sickness and in Health. <i>Trends in Neurosciences</i> , 2020, 43, 144-154.	4.2	279
11	Astrocyte-encoded positional cues maintain sensorimotor circuit integrity. <i>Nature</i> , 2014, 509, 189-194.	13.7	266
12	Adventitial Stromal Cells Define Group 2 Innate Lymphoid Cell Tissue Niches. <i>Immunity</i> , 2019, 50, 707-722.e6.	6.6	234
13	Astrocyte development: A Guide for the Perplexed. <i>Glia</i> , 2015, 63, 1320-1329.	2.5	230
14	Variation among intact tissue samples reveals the core transcriptional features of human CNS cell classes. <i>Nature Neuroscience</i> , 2018, 21, 1171-1184.	7.1	159
15	Stem Cell Self-Renewal and Cancer Cell Proliferation Are Regulated by Common Networks That Balance the Activation of Proto-oncogenes and Tumor Suppressors. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2005, 70, 177-185.	2.0	119
16	Regulated temporal-spatial astrocyte precursor cell proliferation involves BRAF signalling in mammalian spinal cord. <i>Development (Cambridge)</i> , 2012, 139, 2477-2487.	1.2	112
17	Kir4.1-Dependent Astrocyte-Fast Motor Neuron Interactions Are Required for Peak Strength. <i>Neuron</i> , 2018, 98, 306-319.e7.	3.8	110
18	Astrocyte-immune cell interactions in physiology and pathology. <i>Immunity</i> , 2021, 54, 211-224.	6.6	105

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19	Circuit and molecular architecture of a ventral hippocampal network. <i>Nature Neuroscience</i> , 2020, 23, 1444-1452.	7.1	88
20	The immune system and psychiatric disease: a basic science perspective. <i>Clinical and Experimental Immunology</i> , 2019, 197, 294-307.	1.1	86
21	Bmi-1 over-expression in neural stem/progenitor cells increases proliferation and neurogenesis in culture but has little effect on these functions in vivo. <i>Developmental Biology</i> , 2009, 328, 257-272.	0.9	73
22	Expression profiling of Aldh1l1 <sup>+</sup> precursors in the developing spinal cord reveals glial lineage-specific genes and direct Sox9 <sup>+</sup> Nfe2l1 interactions. <i>Glia</i> , 2013, 61, 1518-1532.	2.5	61
23	Dynamism of an Astrocyte In Vivo: Perspectives on Identity and Function. <i>Annual Review of Physiology</i> , 2018, 80, 143-157.	5.6	44
24	Regulatory T-cells inhibit microglia-induced pain hypersensitivity in female mice. <i>ELife</i> , 2021, 10, .	2.8	41
25	Genetically Encoded, pH-Sensitive mTFP1 Biosensor for Probing Lysosomal pH. <i>ACS Sensors</i> , 2021, 6, 2168-2180.	4.0	39
26	In situ and transcriptomic identification of microglia in synapse-rich regions of the developing zebrafish brain. <i>Nature Communications</i> , 2021, 12, 5916.	5.8	32
27	Mechanisms of astrocyte development. , 2020, , 807-827.		8
28	Demystifying Microglia: And Now the Work Begins. <i>Immunity</i> , 2019, 50, 11-13.	6.6	7
29	A protective signal between the brain's supporting cells in Alzheimer's disease. <i>Nature</i> , 2021, 595, 651-652.	13.7	5
30	Location, Location, Location: Transcriptional Control of Astrocyte Heterogeneity. <i>Trends in Immunology</i> , 2020, 41, 753-755.	2.9	1