

# Anna V Molofsky

## 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.

32  
papers

5,285  
citations

22  
h-index

36  
g-index

36  
ext. papers

6,776  
ext. citations

22.2  
avg, IF

5.79  
L-index

#	Paper	IF	Citations
32	Bmi-1 dependence distinguishes neural stem cell self-renewal from progenitor proliferation. <i>Nature</i> , <b>2003</b> , 425, 962-7	50.4	1107
31	Increasing p16INK4a expression decreases forebrain progenitors and neurogenesis during ageing. <i>Nature</i> , <b>2006</b> , 443, 448-52	50.4	793
30	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> , <b>2005</b> , 19, 1432-7	12.6	480
29	Astrocytes and disease: a neurodevelopmental perspective. <i>Genes and Development</i> , <b>2012</b> , 26, 891-907	12.6	447
28	Regional astrocyte allocation regulates CNS synaptogenesis and repair. <i>Science</i> , <b>2012</b> , 337, 358-62	33.3	341
27	Reactive astrocyte nomenclature, definitions, and future directions. <i>Nature Neuroscience</i> , <b>2021</b> , 24, 312-335	33.5	298
26	Diverse mechanisms regulate stem cell self-renewal. <i>Current Opinion in Cell Biology</i> , <b>2004</b> , 16, 700-7	9	257
25	Astrocyte-derived interleukin-33 promotes microglial synapse engulfment and neural circuit development. <i>Science</i> , <b>2018</b> , 359, 1269-1273	33.3	235
24	Astrocyte-encoded positional cues maintain sensorimotor circuit integrity. <i>Nature</i> , <b>2014</b> , 509, 189-94	50.4	202
23	Astrocyte development: A Guide for the Perplexed. <i>Glia</i> , <b>2015</b> , 63, 1320-9	9	157
22	Adventitial Stromal Cells Define Group 2 Innate Lymphoid Cell Tissue Niches. <i>Immunity</i> , <b>2019</b> , 50, 707-722	32.6	133
21	Astrocytes and Microglia: In Sickness and in Health. <i>Trends in Neurosciences</i> , <b>2020</b> , 43, 144-154	13.3	125
20	Microglial Remodeling of the Extracellular Matrix Promotes Synapse Plasticity. <i>Cell</i> , <b>2020</b> , 182, 388-403	36.5	121
19	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> , <b>2005</b> , 70, 177-85	3.9	104
18	Variation among intact tissue samples reveals the core transcriptional features of human CNS cell classes. <i>Nature Neuroscience</i> , <b>2018</b> , 21, 1171-1184	25.5	93
17	Regulated temporal-spatial astrocyte precursor cell proliferation involves BRAF signalling in mammalian spinal cord. <i>Development (Cambridge)</i> , <b>2012</b> , 139, 2477-87	6.6	90
16	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> , <b>2009</b> , 328, 257-72	3.1	68

15	Kir4.1-Dependent Astrocyte-Fast Motor Neuron Interactions Are Required for Peak Strength. <i>Neuron</i> , <b>2018</b> , 98, 306-319.e7	13.9	55
14	Expression profiling of Aldh1l1-precursors in the developing spinal cord reveals glial lineage-specific genes and direct Sox9-Nfe2l1 interactions. <i>Glia</i> , <b>2013</b> , 61, 1518-32	9	41
13	The immune system and psychiatric disease: a basic science perspective. <i>Clinical and Experimental Immunology</i> , <b>2019</b> , 197, 294-307	6.2	36
12	Dynamism of an Astrocyte In Vivo: Perspectives on Identity and Function. <i>Annual Review of Physiology</i> , <b>2018</b> , 80, 143-157	23.1	30
11	Astrocyte-immune cell interactions in physiology and pathology. <i>Immunity</i> , <b>2021</b> , 54, 211-224	32.3	23
10	Circuit and molecular architecture of a ventral hippocampal network. <i>Nature Neuroscience</i> , <b>2020</b> , 23, 1444-1452	25.5	17
9	Genetically Encoded, pH-Sensitive mTFP1 Biosensor for Probing Lysosomal pH. <i>ACS Sensors</i> , <b>2021</b> , 6, 2168-2180	9.2	10
8	In situ and transcriptomic identification of microglia in synapse-rich regions of the developing zebrafish brain. <i>Nature Communications</i> , <b>2021</b> , 12, 5916	17.4	6
7	Regulatory T-cells inhibit microglia-induced pain hypersensitivity in female mice. <i>ELife</i> , <b>2021</b> , 10,	8.9	4
6	Demystifying Microglia: And Now the Work Begins. <i>Immunity</i> , <b>2019</b> , 50, 11-13	32.3	4
5	In situ and transcriptomic identification of synapse-associated microglia in the developing zebrafish brain		2
4	A type I interferon response defines a conserved microglial state required for effective neuronal phagocytosis. <b>2022</b> ,		1
3	Interleukin-33 coordinates a microglial phagocytic response and limits corticothalamic excitability and seizure susceptibility		1
2	Mechanisms of astrocyte development <b>2020</b> , 807-827		0
1	Location, Location, Location: Transcriptional Control of Astrocyte Heterogeneity. <i>Trends in Immunology</i> , <b>2020</b> , 41, 753-755	14.4	0