

# Melanie A Samuel

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

3,870  
citations

279798

23  
h-index

395702

33  
g-index

39  
all docs

39  
docs citations

39  
times ranked

4181  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuronal CXCL10 Directs CD8 <sup>+</sup> T-Cell Recruitment and Control of West Nile Virus Encephalitis. <i>Journal of Virology</i> , 2005, 79, 11457-11466.	3.4	386
2	Alpha/Beta Interferon Protects against Lethal West Nile Virus Infection by Restricting Cellular Tropism and Enhancing Neuronal Survival. <i>Journal of Virology</i> , 2005, 79, 13350-13361.	3.4	377
3	Toll-Like Receptor 3 Has a Protective Role against West Nile Virus Infection. <i>Journal of Virology</i> , 2008, 82, 10349-10358.	3.4	298
4	Pathogenesis of West Nile Virus Infection: a Balance between Virulence, Innate and Adaptive Immunity, and Viral Evasion. <i>Journal of Virology</i> , 2006, 80, 9349-9360.	3.4	290
5	Six RNA Viruses and Forty-One Hosts: Viral Small RNAs and Modulation of Small RNA Repertoires in Vertebrate and Invertebrate Systems. <i>PLoS Pathogens</i> , 2010, 6, e1000764.	4.7	234
6	PKR and RNase L Contribute to Protection against Lethal West Nile Virus Infection by Controlling Early Viral Spread in the Periphery and Replication in Neurons. <i>Journal of Virology</i> , 2006, 80, 7009-7019.	3.4	220
7	CD8 + T Cells Require Perforin To Clear West Nile Virus from Infected Neurons. <i>Journal of Virology</i> , 2006, 80, 119-129.	3.4	198
8	Axonal transport mediates West Nile virus entry into the central nervous system and induces acute flaccid paralysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17140-17145.	7.1	194
9	Gamma Interferon Plays a Crucial Early Antiviral Role in Protection against West Nile Virus Infection. <i>Journal of Virology</i> , 2006, 80, 5338-5348.	3.4	179
10	Resistance to Alpha/Beta Interferon Is a Determinant of West Nile Virus Replication Fitness and Virulence. <i>Journal of Virology</i> , 2006, 80, 9424-9434.	3.4	177
11	Cell-Specific IRF-3 Responses Protect against West Nile Virus Infection by Interferon-Dependent and -Independent Mechanisms. <i>PLoS Pathogens</i> , 2007, 3, e106.	4.7	164
12	Caspase 3-Dependent Cell Death of Neurons Contributes to the Pathogenesis of West Nile Virus Encephalitis. <i>Journal of Virology</i> , 2007, 81, 2614-2623.	3.4	157
13	Age-Related Alterations in Neurons of the Mouse Retina. <i>Journal of Neuroscience</i> , 2011, 31, 16033-16044.	3.6	149
14	The Immune Adaptor Molecule SARM Modulates Tumor Necrosis Factor Alpha Production and Microglia Activation in the Brainstem and Restricts West Nile Virus Pathogenesis. <i>Journal of Virology</i> , 2009, 83, 9329-9338.	3.4	141
15	Interferon Regulatory Factor IRF-7 Induces the Antiviral Alpha Interferon Response and Protects against Lethal West Nile Virus Infection. <i>Journal of Virology</i> , 2008, 82, 8465-8475.	3.4	137
16	LKB1 and AMPK regulate synaptic remodeling in old age. <i>Nature Neuroscience</i> , 2014, 17, 1190-1197.	14.8	106
17	Agrin and Synaptic Laminin Are Required to Maintain Adult Neuromuscular Junctions. <i>PLoS ONE</i> , 2012, 7, e46663.	2.5	95
18	Microglia in the developing retina. <i>Neural Development</i> , 2019, 14, 12.	2.4	75

#	ARTICLE	IF	CITATIONS
19	Role for Wnt Signaling in Retinal Neuropil Development: Analysis via RNA-Seq and In Vivo Somatic CRISPR Mutagenesis. <i>Neuron</i> , 2018, 98, 109-126.e8.	8.1	64
20	Differential Replication of Pathogenic and Nonpathogenic Strains of West Nile Virus within Astrocytes. <i>Journal of Virology</i> , 2013, 87, 2814-2822.	3.4	54
21	Identification of Novel Small-Molecule Inhibitors of West Nile Virus Infection. <i>Journal of Virology</i> , 2007, 81, 11992-12004.	3.4	45
22	Variable Pleiotropic Effects From Mutations at the Same Locus Hamper Prediction of Fitness From a Fitness Component. <i>Genetics</i> , 2006, 172, 2047-2056.	2.9	29
23	Rapid and Integrative Discovery of Retina Regulatory Molecules. <i>Cell Reports</i> , 2018, 24, 2506-2519.	6.4	28
24	Development and maintenance of vision's first synapse. <i>Developmental Biology</i> , 2021, 476, 218-239.	2.0	23
25	C1q Regulates Horizontal Cell Neurite Confinement in the Outer Retina. <i>Frontiers in Neural Circuits</i> , 2020, 14, 583391.	2.8	10
26	Progressive myoclonic epilepsy-associated gene <i>Kctd7</i> regulates retinal neurovascular patterning and function. <i>Neurochemistry International</i> , 2019, 129, 104486.	3.8	9
27	Retinal patterns and the cellular repertoire of neuropsin ( <i>Opn5</i> ) retinal ganglion cells. <i>Journal of Comparative Neurology</i> , 2022, 530, 1247-1262.	1.6	9
28	LKB1 and AMPK instruct cone nuclear position to modify visual function. <i>Cell Reports</i> , 2021, 34, 108698.	6.4	7
29	LKB1 coordinates neurite remodeling to drive synapse layer emergence in the outer retina. <i>ELife</i> , 2020, 9, .	6.0	6
30	Spatiotemporal gene expression patterns reveal molecular relatedness between retinal laminae. <i>Journal of Comparative Neurology</i> , 2020, 528, 729-755.	1.6	4
31	Rapid 3D-STORM imaging of diverse molecular targets in tissue. <i>Cell Reports Methods</i> , 2022, 2, 100253.	2.9	3
32	Becoming a Principal Investigator: Designing and Navigating Your Academic Adventure. <i>Neuron</i> , 2019, 103, 959-963.	8.1	1
33	Neuroscience in the blink of an eye: using the retina to understand the brain. <i>Biochemist</i> , 2020, 42, 18-24.	0.5	1
34	COMPLEMENT CONTRIBUTES TO ALZHEIMER'S DISEASE-INDUCED SYNAPSE DECLINE IN THE MURINE RETINA. <i>Innovation in Aging</i> , 2019, 3, S967-S967.	0.1	0
35	MICROGLIA MAY INSTRUCT SYNAPTIC FATE VIA SIRP1± IN MOUSE RETINA. <i>Innovation in Aging</i> , 2019, 3, S967-S967.	0.1	0
36	Cover Image, Volume 528, Issue 5. <i>Journal of Comparative Neurology</i> , 2020, 528, C1.	1.6	0