## Asya Rolls

## List of Publications by Year in descending order

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ASVA ROLLS

#	Article	IF	CITATIONS
1	Neuronal regulation of immunity: why, how and where?. Nature Reviews Immunology, 2021, 21, 20-36.	22.7	100
2	Optogenetic activation of local colonic sympathetic innervations attenuates colitis by limiting immune cell extravasation. Immunity, 2021, 54, 1022-1036.e8.	14.3	26
3	The neuroimmune response during stress: A physiological perspective. Immunity, 2021, 54, 1933-1947.	14.3	37
4	Insular cortex neurons encode and retrieve specific immune responses. Cell, 2021, 184, 5902-5915.e17.	28.9	124
5	Autoimmunity in neurodegeneration. Science, 2021, 374, 823-824.	12.6	2
6	Short-term sleep deprivation in mice induces B cell migration to the brain compartment. Sleep, 2020, 43, .	1.1	15
7	Editorial overview: Brain, gut and immune system interactions. Current Opinion in Neurobiology, 2020, 62, iii-v.	4.2	1
8	Something Else to Stress about: Perinatal Stress Attenuates CD8+ T Cell Activity in Adults. Immunity, 2020, 52, 580-582.	14.3	1
9	Mass cytometry analysis of immune cells in the brain. Nature Protocols, 2018, 13, 377-391.	12.0	47
10	Application of Chemogenetics and Optogenetics to Dissect Brain-Immune Interactions. Methods in Molecular Biology, 2018, 1781, 195-208.	0.9	5
11	Modulation of anti-tumor immunity by the brain's reward system. Nature Communications, 2018, 9, 2723.	12.8	99
12	Studying brain-regulation of immunity with optogenetics and chemogenetics; A new experimental platform. Brain, Behavior, and Immunity, 2017, 65, 1-8.	4.1	7
13	High-dimensional, single-cell characterization of the brain's immune compartment. Nature Neuroscience, 2017, 20, 1300-1309.	14.8	307
14	Activation of the reward system boosts innate and adaptive immunity. Nature Medicine, 2016, 22, 940-944.	30.7	168
15	Collaboration in neuroscience: the young PI perspective. European Journal of Neuroscience, 2016, 43, 1123-1127.	2.6	2
16	Sleep disruption impairs haematopoietic stem cell transplantation in mice. Nature Communications, 2015, 6, 8516.	12.8	34
17	Fragmented Sleep and Memory Consolidation. , 2015, , 263-270.		0
18	Adaptive and pathological inhibition of neuroplasticity associated with circadian rhythms and sleep Behavioral Neuroscience, 2014, 128, 273-282.	1.2	13

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19	Hypothalamic neuronal toll-like receptor 2 protects against age-induced obesity. Scientific Reports, 2013, 3, 1254.	3.3	33
20	Hypothalamic Control of Sleep in Aging. NeuroMolecular Medicine, 2012, 14, 139-153.	3.4	14
21	Optogenetic disruption of sleep continuity impairs memory consolidation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13305-13310.	7.1	172
22	Sleep and metabolism: Role of hypothalamic neuronal circuitry. Best Practice and Research in Clinical Endocrinology and Metabolism, 2010, 24, 817-828.	4.7	29
23	Infiltrating Blood-Derived Macrophages Are Vital Cells Playing an Anti-inflammatory Role in Recovery from Spinal Cord Injury in Mice. PLoS Medicine, 2009, 6, e1000113.	8.4	650
24	The bright side of the glial scar in CNS repair. Nature Reviews Neuroscience, 2009, 10, 235-241.	10.2	588
25	Two Faces of Chondroitin Sulfate Proteoglycan in Spinal Cord Repair: A Role in Microglia/Macrophage Activation. PLoS Medicine, 2008, 5, e171.	8.4	229
26	Toll-like receptor 4 restricts retinal progenitor cell proliferation. Journal of Cell Biology, 2008, 183, 393-400.	5.2	67
27	Toll-like receptor 4 restricts retinal progenitor cell proliferation. Journal of Experimental Medicine, 2008, 205, i26-i26.	8.5	0
28	Chondroitin Sulfate-Derived Disaccharide Protects Retinal Cells from Elevated Intraocular Pressure in Aged and Immunocompromised Rats. , 2007, 48, 1181.		23
29	Toll-like receptors modulate adult hippocampal neurogenesis. Nature Cell Biology, 2007, 9, 1081-1088.	10.3	531
30	Chondroitin Sulfate Proteoglycan and its Degradation Products in CNS Repair. Advances in Pharmacology, 2006, 53, 357-374.	2.0	5
31	A sulfated disaccharide derived from chondroitin sulfate proteoglycan protects against inflammationâ€associated neurodegeneration. FASEB Journal, 2006, 20, 547-549.	0.5	81
32	Dopamine, through the Extracellular Signal-Regulated Kinase Pathway, Downregulates CD4+CD25+ Regulatory T-Cell Activity: Implications for Neurodegeneration. Journal of Neuroscience, 2004, 24, 6133-6143.	3.6	176
33	A disaccharide derived from chondroitin sulphate proteoglycan promotes central nervous system repair in rats and mice+. European Journal of Neuroscience, 2004, 20, 1973-1983.	2.6	67
34	Let Us Use the Brain to Heal. Frontiers for Young Minds, 0, 7, .	0.8	0