

# Asya Rolls

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/412703/publications.pdf>

Version: 2024-02-01

34  
papers

3,654  
citations

411340

20  
h-index

511568

30  
g-index

35  
all docs

35  
docs citations

35  
times ranked

6640  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuronal regulation of immunity: why, how and where?. Nature Reviews Immunology, 2021, 21, 20-36.	10.6	100
2	Optogenetic activation of local colonic sympathetic innervations attenuates colitis by limiting immune cell extravasation. Immunity, 2021, 54, 1022-1036.e8.	6.6	26
3	The neuroimmune response during stress: A physiological perspective. Immunity, 2021, 54, 1933-1947.	6.6	37
4	Insular cortex neurons encode and retrieve specific immune responses. Cell, 2021, 184, 5902-5915.e17.	13.5	124
5	Autoimmunity in neurodegeneration. Science, 2021, 374, 823-824.	6.0	2
6	Short-term sleep deprivation in mice induces B cell migration to the brain compartment. Sleep, 2020, 43, .	0.6	15
7	Editorial overview: Brain, gut and immune system interactions. Current Opinion in Neurobiology, 2020, 62, iii-v.	2.0	1
8	Something Else to Stress about: Perinatal Stress Attenuates CD8+ T Cell Activity in Adults. Immunity, 2020, 52, 580-582.	6.6	1
9	Mass cytometry analysis of immune cells in the brain. Nature Protocols, 2018, 13, 377-391.	5.5	47
10	Application of Chemogenetics and Optogenetics to Dissect Brain-Immune Interactions. Methods in Molecular Biology, 2018, 1781, 195-208.	0.4	5
11	Modulation of anti-tumor immunity by the brain's reward system. Nature Communications, 2018, 9, 2723.	5.8	99
12	Studying brain-regulation of immunity with optogenetics and chemogenetics; A new experimental platform. Brain, Behavior, and Immunity, 2017, 65, 1-8.	2.0	7
13	High-dimensional, single-cell characterization of the brain's immune compartment. Nature Neuroscience, 2017, 20, 1300-1309.	7.1	307
14	Activation of the reward system boosts innate and adaptive immunity. Nature Medicine, 2016, 22, 940-944.	15.2	168
15	Collaboration in neuroscience: the young PI perspective. European Journal of Neuroscience, 2016, 43, 1123-1127.	1.2	2
16	Sleep disruption impairs haematopoietic stem cell transplantation in mice. Nature Communications, 2015, 6, 8516.	5.8	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.	0.6	13

#	ARTICLE	IF	CITATIONS
19	Hypothalamic neuronal toll-like receptor 2 protects against age-induced obesity. <i>Scientific Reports</i> , 2013, 3, 1254.	1.6	33
20	Hypothalamic Control of Sleep in Aging. <i>NeuroMolecular Medicine</i> , 2012, 14, 139-153.	1.8	14
21	Optogenetic disruption of sleep continuity impairs memory consolidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13305-13310.	3.3	172
22	Sleep and metabolism: Role of hypothalamic neuronal circuitry. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2010, 24, 817-828.	2.2	29
23	Infiltrating Blood-Derived Macrophages Are Vital Cells Playing an Anti-inflammatory Role in Recovery from Spinal Cord Injury in Mice. <i>PLoS Medicine</i> , 2009, 6, e1000113.	3.9	650
24	The bright side of the glial scar in CNS repair. <i>Nature Reviews Neuroscience</i> , 2009, 10, 235-241.	4.9	588
25	Two Faces of Chondroitin Sulfate Proteoglycan in Spinal Cord Repair: A Role in Microglia/Macrophage Activation. <i>PLoS Medicine</i> , 2008, 5, e171.	3.9	229
26	Toll-like receptor 4 restricts retinal progenitor cell proliferation. <i>Journal of Cell Biology</i> , 2008, 183, 393-400.	2.3	67
27	Toll-like receptor 4 restricts retinal progenitor cell proliferation. <i>Journal of Experimental Medicine</i> , 2008, 205, i26-i26.	4.2	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. <i>Nature Cell Biology</i> , 2007, 9, 1081-1088.	4.6	531
30	Chondroitin Sulfate Proteoglycan and its Degradation Products in CNS Repair. <i>Advances in Pharmacology</i> , 2006, 53, 357-374.	1.2	5
31	A sulfated disaccharide derived from chondroitin sulfate proteoglycan protects against inflammation-associated neurodegeneration. <i>FASEB Journal</i> , 2006, 20, 547-549.	0.2	81
32	Dopamine, through the Extracellular Signal-Regulated Kinase Pathway, Downregulates CD4+CD25+ Regulatory T-Cell Activity: Implications for Neurodegeneration. <i>Journal of Neuroscience</i> , 2004, 24, 6133-6143.	1.7	176
33	A disaccharide derived from chondroitin sulphate proteoglycan promotes central nervous system repair in rats and mice+. <i>European Journal of Neuroscience</i> , 2004, 20, 1973-1983.	1.2	67
34	Let Us Use the Brain to Heal. <i>Frontiers for Young Minds</i> , 0, 7, .	0.8	0