

Asya Rolls

List of Publications by Year in descending order

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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	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
2	The bright side of the glial scar in CNS repair. <i>Nature Reviews Neuroscience</i> , 2009, 10, 235-241.	4.9	588
3	Toll-like receptors modulate adult hippocampal neurogenesis. <i>Nature Cell Biology</i> , 2007, 9, 1081-1088.	4.6	531
4	High-dimensional, single-cell characterization of the brain's immune compartment. <i>Nature Neuroscience</i> , 2017, 20, 1300-1309.	7.1	307
5	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
6	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
7	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
8	Activation of the reward system boosts innate and adaptive immunity. <i>Nature Medicine</i> , 2016, 22, 940-944.	15.2	168
9	Insular cortex neurons encode and retrieve specific immune responses. <i>Cell</i> , 2021, 184, 5902-5915.e17.	13.5	124
10	Neuronal regulation of immunity: why, how and where?. <i>Nature Reviews Immunology</i> , 2021, 21, 20-36.	10.6	100
11	Modulation of anti-tumor immunity by the brain's reward system. <i>Nature Communications</i> , 2018, 9, 2723.	5.8	99
12	A sulfated disaccharide derived from chondroitin sulfate proteoglycan protects against inflammation-associated neurodegeneration. <i>FASEB Journal</i> , 2006, 20, 547-549.	0.2	81
13	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
14	Toll-like receptor 4 restricts retinal progenitor cell proliferation. <i>Journal of Cell Biology</i> , 2008, 183, 393-400.	2.3	67
15	Mass cytometry analysis of immune cells in the brain. <i>Nature Protocols</i> , 2018, 13, 377-391.	5.5	47
16	The neuroimmune response during stress: A physiological perspective. <i>Immunity</i> , 2021, 54, 1933-1947.	6.6	37
17	Sleep disruption impairs haematopoietic stem cell transplantation in mice. <i>Nature Communications</i> , 2015, 6, 8516.	5.8	34
18	Hypothalamic neuronal toll-like receptor 2 protects against age-induced obesity. <i>Scientific Reports</i> , 2013, 3, 1254.	1.6	33

#	ARTICLE	IF	CITATIONS
19	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
20	Optogenetic activation of local colonic sympathetic innervations attenuates colitis by limiting immune cell extravasation. <i>Immunity</i> , 2021, 54, 1022-1036.e8.	6.6	26
21	Chondroitin Sulfate-Derived Disaccharide Protects Retinal Cells from Elevated Intraocular Pressure in Aged and Immunocompromised Rats. , 2007, 48, 1181.		23
22	Short-term sleep deprivation in mice induces B cell migration to the brain compartment. <i>Sleep</i> , 2020, 43, .	0.6	15
23	Hypothalamic Control of Sleep in Aging. <i>NeuroMolecular Medicine</i> , 2012, 14, 139-153.	1.8	14
24	Adaptive and pathological inhibition of neuroplasticity associated with circadian rhythms and sleep.. <i>Behavioral Neuroscience</i> , 2014, 128, 273-282.	0.6	13
25	Studying brain-regulation of immunity with optogenetics and chemogenetics; A new experimental platform. <i>Brain, Behavior, and Immunity</i> , 2017, 65, 1-8.	2.0	7
26	Chondroitin Sulfate Proteoglycan and its Degradation Products in CNS Repair. <i>Advances in Pharmacology</i> , 2006, 53, 357-374.	1.2	5
27	Application of Chemogenetics and Optogenetics to Dissect Brain-Immune Interactions. <i>Methods in Molecular Biology</i> , 2018, 1781, 195-208.	0.4	5
28	Collaboration in neuroscience: the young PI perspective. <i>European Journal of Neuroscience</i> , 2016, 43, 1123-1127.	1.2	2
29	Autoimmunity in neurodegeneration. <i>Science</i> , 2021, 374, 823-824.	6.0	2
30	Editorial overview: Brain, gut and immune system interactions. <i>Current Opinion in Neurobiology</i> , 2020, 62, iii-v.	2.0	1
31	Something Else to Stress about: Perinatal Stress Attenuates CD8+ T Cell Activity in Adults. <i>Immunity</i> , 2020, 52, 580-582.	6.6	1
32	Fragmented Sleep and Memory Consolidation. , 2015, , 263-270.		0
33	Toll-like receptor 4 restricts retinal progenitor cell proliferation. <i>Journal of Experimental Medicine</i> , 2008, 205, i26-i26.	4.2	0
34	Let Us Use the Brain to Heal. <i>Frontiers for Young Minds</i> , 0, 7, .	0.8	0