

Eitan Okun

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

4,900
citations

147801

31
h-index

95266

68
g-index

78
all docs

78
docs citations

78
times ranked

8298
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiology and pharmacology of amyloid precursor protein. , 2022, 235, 108122.		33
2	COVID-19 Vaccination of Individuals with Down Syndromeâ€”Data from the Trisomy 21 Research Society Survey on Safety, Efficacy, and Factors Associated with the Decision to Be Vaccinated. Vaccines, 2022, 10, 530.	4.4	8
3	HCAR1-Mediated L-Lactate Signaling Suppresses Microglial Phagocytosis. NeuroMolecular Medicine, 2022, 24, 399-404.	3.4	4
4	Maternal antibodies facilitate Amyloid-Î² clearance by activating Fc-receptor-Syk-mediated phagocytosis. Communications Biology, 2021, 4, 329.	4.4	8
5	Specific Susceptibility to COVID-19 in Adults with Down Syndrome. NeuroMolecular Medicine, 2021, 23, 561-571.	3.4	30
6	Therapeutic B-cell depletion reverses progression of Alzheimerâ€™s disease. Nature Communications, 2021, 12, 2185.	12.8	75
7	Adult Hippocampal Neurogenesis: One Lactate to Rule Them All. NeuroMolecular Medicine, 2021, 23, 445-448.	3.4	11
8	Immune Dysregulation and the Increased Risk of Complications and Mortality Following Respiratory Tract Infections in Adults With Down Syndrome. Frontiers in Immunology, 2021, 12, 621440.	4.8	26
9	Induction of an effective anti-Amyloid-Î² humoral response in aged mice. Vaccine, 2021, 39, 4817-4829.	3.8	7
10	High-Intensity Functional Training: Molecular Mechanisms and Benefits. NeuroMolecular Medicine, 2021, 23, 335-338.	3.4	22
11	Mild Physical Activity Does Not Improve Spatial Learning in a Virtual Environment. Frontiers in Behavioral Neuroscience, 2020, 14, 584052.	2.0	3
12	The Effects of High-intensity Functional Training (HIFT) on Spatial Learning, Visual Pattern Separation and Attention Span in Adolescents. Frontiers in Behavioral Neuroscience, 2020, 14, 577390.	2.0	14
13	Food and Age: It Takes Two to Degenerate. Frontiers in Aging Neuroscience, 2020, 12, 182.	3.4	1
14	A modified Barnes maze for an accurate assessment of spatial learning in mice. Journal of Neuroscience Methods, 2020, 334, 108579.	2.5	12
15	L-Lactate Promotes Adult Hippocampal Neurogenesis. Frontiers in Neuroscience, 2019, 13, 403.	2.8	88
16	Restoring microglial and astroglial homeostasis using DNA immunization in a Down Syndrome mouse model. Brain, Behavior, and Immunity, 2019, 75, 163-180.	4.1	19
17	Deficiency of Toll-like receptors 2, 3 or 4 extends life expectancy in Huntingtonâ€™s disease mice. Heliyon, 2018, 4, e00508.	3.2	25
18	Dopamine receptors in the rat entopeduncular nucleus. Brain Structure and Function, 2018, 223, 2673-2684.	2.3	13

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19	Extracellular DAMPs in Plants and Mammals: Immunity, Tissue Damage and Repair. Trends in Immunology, 2018, 39, 937-950.	6.8	105
20	The Toll Pathway in the Central Nervous System of Flies and Mammals. NeuroMolecular Medicine, 2018, 20, 419-436.	3.4	15
21	Toll-like receptor 3 deficiency decreases epileptogenesis in a pilocarpine model of <sc>SE</sc>-induced epilepsy in mice. Epilepsia, 2017, 58, 586-596.	5.1	52
22	The effect of nanoparticle size on the ability to cross the blood-brain barrier: an <i>in vivo</i> study. Nanomedicine, 2017, 12, 1533-1546.	3.3	205
23	A protocol for quantitative analysis of murine and human amyloid- β 1-40 and 1-42. Journal of Neuroscience Methods, 2017, 291, 28-35.	2.5	11
24	Dopaminergic Modulation of Synaptic Integration and Firing Patterns in the Rat Entopeduncular Nucleus. Journal of Neuroscience, 2017, 37, 7177-7187.	3.6	15
25	Sirt6 alters adult hippocampal neurogenesis. PLoS ONE, 2017, 12, e0179681.	2.5	18
26	Unbiased classification of spatial strategies in the Barnes maze. Bioinformatics, 2016, 32, 3314-3320.	4.1	51
27	Unraveling cognitive traits using the Morris water maze unbiased strategy classification (MUST-C) algorithm. Brain, Behavior, and Immunity, 2016, 52, 132-144.	4.1	50
28	Cardiovascular Fitness and Cognitive Spatial Learning in Rodents and in Humans. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 1059-1066.	3.6	28
29	DAMPs as mediators of sterile inflammation in aging-related pathologies. Ageing Research Reviews, 2015, 24, 29-39.	10.9	213
30	No Essential evidence for a link with Alzheimer's disease yet (retrospective on DOI) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td	2.5	3
31	Postnatal TLR2 activation impairs learning and memory in adulthood. Brain, Behavior, and Immunity, 2015, 48, 301-312.	4.1	16
32	Tellurium Compound AS101 Ameliorates Experimental Autoimmune Encephalomyelitis by VLA-4 Inhibition and Suppression of Monocyte and T Cell Infiltration into the CNS. NeuroMolecular Medicine, 2014, 16, 292-307.	3.4	12
33	Toll-like receptors 2 and 4 modulate autonomic control of heart rate and energy metabolism. Brain, Behavior, and Immunity, 2014, 36, 90-100.	4.1	35
34	Pancreatic polypeptide inhibits somatostatin secretion. FEBS Letters, 2014, 588, 3233-3239.	2.8	28
35	Evidence that collaboration between HIF-1 α and Notch-1 promotes neuronal cell death in ischemic stroke. Neurobiology of Disease, 2014, 62, 286-295.	4.4	75
36	A heavy toll on the outcome of ischemic brain stroke. Experimental Neurology, 2014, 254, 166-167.	4.1	0

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37	Toll-like receptors as developmental tools that regulate neurogenesis during development: an update. <i>Frontiers in Neuroscience</i> , 2014, 8, 272.	2.8	59
38	A ketone ester diet exhibits anxiolytic and cognition-sparing properties, and lessens amyloid and tau pathologies in a mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2013, 34, 1530-1539.	3.1	277
39	Neuron-Specific Expression of Tomosyn1 in the Mouse Hippocampal Dentate Gyrus Impairs Spatial Learning and Memory. <i>NeuroMolecular Medicine</i> , 2013, 15, 351-363.	3.4	17
40	Dietary energy intake modifies brainstem autonomic dysfunction caused by mutant α -synuclein. <i>Neurobiology of Aging</i> , 2013, 34, 928-935.	3.1	58
41	Effects of cerium oxide nanoparticles on the growth of keratinocytes, fibroblasts and vascular endothelial cells in cutaneous wound healing. <i>Biomaterials</i> , 2013, 34, 2194-2201.	11.4	301
42	Opposing actions of environmental enrichment and Alzheimer's disease on the expression of hippocampal microRNAs in mouse models. <i>Translational Psychiatry</i> , 2013, 3, e304-e304.	4.8	73
43	Involvement of PGC-1 α in the formation and maintenance of neuronal dendritic spines. <i>Nature Communications</i> , 2012, 3, 1250.	12.8	308
44	Aberrant heart rate and brainstem brain-derived neurotrophic factor (BDNF) signaling in a mouse model of Huntington's disease. <i>Neurobiology of Aging</i> , 2012, 33, 1481.e1-1481.e5.	3.1	24
45	DNA immunization with HBsAg-based particles expressing a B cell epitope of amyloid β -peptide attenuates disease progression and prolongs survival in a mouse model of Alzheimer's disease. <i>Vaccine</i> , 2012, 30, 1650-1658.	3.8	20
46	Evidence for a Developmental Role for TLR4 in Learning and Memory. <i>PLoS ONE</i> , 2012, 7, e47522.	2.5	106
47	The Tellurium compound, AS101, increases SIRT1 level and activity and prevents type 2 diabetes. <i>Aging</i> , 2012, 4, 436-447.	3.1	34
48	GLP-1 receptor stimulation depresses heart rate variability and inhibits neurotransmission to cardiac vagal neurons. <i>Cardiovascular Research</i> , 2011, 89, 72-78.	3.8	85
49	Toll-like receptor signaling in neural plasticity and disease. <i>Trends in Neurosciences</i> , 2011, 34, 269-281.	8.6	430
50	Evidence for Altered Numb Isoform Levels in Alzheimer's Disease Patients and a Triple Transgenic Mouse Model. <i>Journal of Alzheimer's Disease</i> , 2011, 24, 349-361.	2.6	14
51	Electroconvulsive shock ameliorates disease processes and extends survival in huntingtin mutant mice. <i>Human Molecular Genetics</i> , 2011, 20, 659-669.	2.9	24
52	Roles of Innate Immunity and Inflammation in the Aging Brain. <i>Oxidative Stress and Disease</i> , 2011, , .	0.3	0
53	Involvement of Fc Receptors in Disorders of the Central Nervous System. <i>NeuroMolecular Medicine</i> , 2010, 12, 164-178.	3.4	110
54	Evidence that adiponectin receptor 1 activation exacerbates ischemic neuronal death. <i>Experimental & Translational Stroke Medicine</i> , 2010, 2, 15.	3.2	45

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55	TLR2 activation inhibits embryonic neural progenitor cell proliferation. <i>Journal of Neurochemistry</i> , 2010, 114, 462-474.	3.9	91
56	Tomosyn Expression Pattern in the Mouse Hippocampus Suggests Both Presynaptic and Postsynaptic Functions. <i>Frontiers in Neuroanatomy</i> , 2010, 4, 149.	1.7	24
57	Toll-like receptor 3 inhibits memory retention and constrains adult hippocampal neurogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15625-15630.	7.1	173
58	TOLL-LIKE RECEPTORS IN ISCHEMIA-REPERFUSION INJURY. <i>Shock</i> , 2009, 32, 4-16.	2.1	264
59	Adhesion- and migration-related side effects of phosphothioated CpG oligodeoxynucleotides. <i>Cell Adhesion and Migration</i> , 2009, 3, 272-274.	2.7	5
60	Toll-like receptors in neurodegeneration. <i>Brain Research Reviews</i> , 2009, 59, 278-292.	9.0	372
61	Phosphothioated oligodeoxynucleotides induce nonspecific effects on neuronal cell adhesion in a growth substrateâ€dependent manner. <i>Journal of Neuroscience Research</i> , 2009, 87, 1947-1952.	2.9	5
62	The Therapeutic Potential of microRNAs in Nervous System Damage, Degeneration, and Repair. <i>NeuroMolecular Medicine</i> , 2009, 11, 153-161.	3.4	43
63	Neuronal Vulnerability to Oxidative Damage in Aging. , 2009, , 83-95.		1
64	Basis of Ionic Dysregulation in Cerebral Ischemia. , 2009, , 1-11.		1
65	Rapamycin and curcumin induce apoptosis in primary resting B chronic lymphocytic leukemia cells. <i>Leukemia and Lymphoma</i> , 2009, 50, 625-632.	1.3	26
66	Toll-Like Receptor 3 Is a Negative Regulator of Embryonic Neural Progenitor Cell Proliferation. <i>Journal of Neuroscience</i> , 2008, 28, 13978-13984.	3.6	183
67	Synergistic effect of AS101 and Bryostatin-1 on myeloid leukemia cell differentiation in vitro and in an animal model. <i>Leukemia</i> , 2007, 21, 1504-1513.	7.2	18
68	The organotellurium compound ammonium trichloro(dioxoethylene-0,0') tellurate enhances neuronal survival and improves functional outcome in an ischemic stroke model in mice. <i>Journal of Neurochemistry</i> , 2007, 102, 1232-1241.	3.9	61
69	The organotellurium compound ammonium trichloro(dioxoethylene-o,0â€²)tellurate reacts with homocysteine to form homocystine and decreases homocysteine levels in hyperhomocysteinemic mice. <i>FEBS Journal</i> , 2007, 274, 3159-3170.	4.7	18
70	Novel Involvement of the Immunomodulator AS101 in IL-10 Signaling, via the Tyrosine Kinase Fer. <i>Annals of the New York Academy of Sciences</i> , 2007, 1095, 240-250.	3.8	7
71	Upregulation of carp GDNF mRNA by the immunomodulator AS101. <i>Developmental and Comparative Immunology</i> , 2006, 30, 441-446.	2.3	12
72	Experimental handling stress as infection-facilitating factor for the goldfish ulcerative disease. <i>Veterinary Immunology and Immunopathology</i> , 2006, 109, 279-287.	1.2	42

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73	Gamma secretase-mediated Notch signaling worsens brain damage and functional outcome in ischemic stroke. <i>Nature Medicine</i> , 2006, 12, 621-623.	30.7	229