Orly Lazarov

List of Publications by Year
in descending order

54	6,928	109137	189595
papers	citations	35 h-index	50 g-index

57	57	57	9036
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Environmental Enrichment Reduces AÎ² Levels and Amyloid Deposition in Transgenic Mice. Cell, 2005, 120, 701-713.	13.5	821
2	Implantation of stimulated homologous macrophages results in partial recovery of paraplegic rats. Nature Medicine, 1998, 4, 814-821.	15.2	769
3	Vascular dysfunctionâ€"The disregarded partner of Alzheimer's disease. Alzheimer's and Dementia, 2019, 15, 158-167.	0.4	454
4	Human Hippocampal Neurogenesis Persists in Aged Adults and Alzheimerâ€™s Disease Patients. Cell Stem Cell, 2019, 24, 974-982.e3.	5.2	389
5	When neurogenesis encounters aging and disease. Trends in Neurosciences, 2010, 33, 569-579.	4.2	337
6	Neurogenesis and Inflammation after Ischemic Stroke: What is Known and Where We Go from Here. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1573-1584.	2.4	299
7	Impaired neurogenesis is an early event in the etiology of familial Alzheimer's disease in transgenic mice. Journal of Neuroscience Research, 2010, 88, 2103-2117.	1.3	283
8	Evidence That Synaptically Released Î²-Amyloid Accumulates as Extracellular Deposits in the Hippocampus of Transgenic Mice. Journal of Neuroscience, 2002, 22, 9785-9793.	1.7	281
9	Neurogenesis and Alzheimer's disease: At the crossroads. Experimental Neurology, 2010, 223, 267-281.	2.0	259
10	Transplantation of activated macrophages overcomes central nervous system regrowth failure. FASEB Journal, 1996, 10, 1296-1302.	0.2	256
11	Axonal Transport, Amyloid Precursor Protein, Kinesin-1, and the Processing Apparatus: Revisited. Journal of Neuroscience, 2005, 25, 2386-2395.	1.7	221
12	Hippocampal neurogenesis: Learning to remember. Progress in Neurobiology, 2016, 138-140, 1-18.	2.8	184
13	Axonal degeneration in Alzheimer's disease: When signaling abnormalities meet the axonal transport system. Experimental Neurology, 2013, 246, 44-53.	2.0	171
14	Complex environment experience rescues impaired neurogenesis, enhances synaptic plasticity, and attenuates neuropathology in familial Alzheimer's diseaseâ€linked APPswe/PS1Î"E9 mice. FASEB Journal, 2010, 24, 1667-1681.	0.2	162
15	Non-Cell-Autonomous Effects of Presenilin 1 Variants on Enrichment-Mediated Hippocampal Progenitor Cell Proliferation and Differentiation. Neuron, 2008, 59, 568-580.	3.8	159
16	Alzheimer's Disease and Hippocampal Adult Neurogenesis; Exploring Shared Mechanisms. Frontiers in Neuroscience, 2016, 10, 178.	1.4	153
17	Impairments in Fast Axonal Transport and Motor Neuron Deficits in Transgenic Mice Expressing Familial Alzheimer's Disease-Linked Mutant Presenilin 1. Journal of Neuroscience, 2007, 27, 7011-7020.	1.7	120
18	Molecular Mechanisms of Environmental Enrichment: Impairments in Akt/GSK3Î², Neurotrophin-3 and CREB Signaling. PLoS ONE, 2013, 8, e64460.	1.1	111

#	Article	IF	Citations
19	Depletion of adult neurogenesis exacerbates cognitive deficits in Alzheimerâ€™s disease by compromising hippocampal inhibition. Molecular Neurodegeneration, 2017, 12, 64.	4.4	107
20	Reduced pCREB in Alzheimerâ€™s disease prefrontal cortex is reflected in peripheral blood mononuclear cells. Molecular Psychiatry, 2016, 21, 1158-1166.	4.1	86
21	DHA diet reduces AD pathology in young APPswe/PS1Î”E9 transgenic mice: Possible gender effects. Journal of Neuroscience Research, 2010, 88, 1026-1040.	1.3	81
22	Soluble amyloid precursor protein: a novel proliferation factor of adult progenitor cells of ectodermal and mesodermal origin. Stem Cell Research and Therapy, 2011, 2, 36.	2.4	81
23	Potential Repair of Rat Spinal Cord Injuries Using Stimulated Homologous Macrophages. Neurosurgery, 1999, 44, 1041-1045.	0.6	79
24	Nigrostriatal Dysfunction in Familial Alzheimer's Disease-Linked APPswe/PS1ÂE9 Transgenic Mice. Journal of Neuroscience, 2005, 25, 10220-10229.	1.7	79
25	Reciprocal regulation of eNOS and caveolin-1 functions in endothelial cells. Molecular Biology of the Cell, 2018, 29, 1190-1202.	0.9	76
26	Restricted inflammatory reaction in the CNS: a key impediment to axonal regeneration?. Trends in Molecular Medicine, 1998, 4, 337-342.	2.6	74
27	Presenilin-1 Regulates Neural Progenitor Cell Differentiation in the Adult Brain. Journal of Neuroscience, 2011, 31, 2615-2623.	1.7	73
28	Differential effects of central and peripheral nerves on macrophages and microglia. , 1998, 23, 181-190.		69
29	The remedy may lie in ourselves: prospects for immune cell therapy in central nervous system protection and repair. Journal of Molecular Medicine, 1999, 77, 713-717.	1.7	67
30	All in the Family: How the APPs Regulate Neurogenesis. Frontiers in Neuroscience, 2012, 6, 81.	1.4	63
31	Of mice and men: neurogenesis, cognition and Alzheimerâ€™s disease. Frontiers in Aging Neuroscience, 2013, 5, 43.	1.7	61
32	Soluble amyloid precursor protein-Î± rescues age-linked decline in neural progenitor cell proliferation. Neurobiology of Aging, 2013, 34, 2431-2440.	1.5	59
33	Activated Mesenchymal Stem Cells Induce Recovery Following Stroke Via Regulation of Inflammation and Oligodendrogenesis. Journal of the American Heart Association, 2020, 9, e013583.	1.6	50
34	CREB signals as PBMC-based biomarkers of cognitive dysfunction: A novel perspective of the brain-immune axis. Brain, Behavior, and Immunity, 2019, 78, 9-20.	2.0	47
35	Diminished CRE-Induced Plasticity is Linked to Memory Deficits in Familial Alzheimerâ€™s Disease Mice. Journal of Alzheimer's Disease, 2016, 50, 477-489.	1.2	43
36	Presenilin-1-Dependent Transcriptome Changes. Journal of Neuroscience, 2005, 25, 1571-1578.	1.7	42

#	Article	IF	Citations
37	Depletion of Caveolin-1 in Type 2 Diabetes Model Induces Alzheimer's Disease Pathology Precursors. Journal of Neuroscience, 2019, 39, 8576-8583.	1.7	37
38	Exercise Training for Persons with Alzheimer's Disease and Caregivers: A Review of Dyadic Exercise Interventions. Journal of Motor Behavior, 2017, 49, 365-377.	0.5	35
39	Presenilin-1 Dependent Neurogenesis Regulates Hippocampal Learning and Memory. PLoS ONE, 2015, 10, e0131266.	1.1	29
40	Expression of a Familial Alzheimer's Disease-Linked Presenilin-1 Variant Enhances Perforant Pathway Lesion-Induced Neuronal Loss in the Entorhinal Cortex. Journal of Neuroscience, 2006, 26, 429-434.	1.7	27
41	Deficits in hippocampal neurogenesis in obesity-dependent and -independent type-2 diabetes mellitus mouse models. Scientific Reports, 2020, 10, 16368.	1.6	24
42	Link between optic nerve regrowth failure and macrophage stimulation in mammals. Vision Research, 1999, 39, 169-175.	0.7	21
43	Adult hippocampal neurogenesis in Alzheimer's disease. Progress in Molecular Biology and Translational Science, 2021, 177, 137-156.	0.9	20
44	Impaired survival of neural progenitor cells in dentate gyrus of adult mice lacking FMRP. Hippocampus, 2012, 22, 1220-1224.	0.9	19
45	A Preliminary Study Targeting Neuronal Pathways Activated Following Environmental Enrichment by Resting State Functional Magnetic Resonance Imaging. Journal of Alzheimer's Disease, 2012, 32, 101-107.	1.2	15
46	Î²-amyloid cytotoxicity is prevented by natural achillolide A. Journal of Natural Medicines, 2018, 72, 626-631.	1.1	7
47	Transcriptome differences between the frontal cortex and hippocampus of wild-type and humanized presenilin-1 transgenic mice. American Journal of Geriatric Psychiatry, 2005, 13, 1041-51.	0.6	7
48	Lifestyle and Alzheimerâ€™s Disease. , 2016, , 197-237.		5
49	Brain Biomarkers in Familial Alzheimerâ€™s Disease Mouse Models. Journal of Alzheimer's Disease, 2017, 60, 949-958.	1.2	5
50	Phytochemicals from Achillea fragrantissima are Modulators of AÎ²PP Metabolism. Journal of Alzheimer's Disease, 2018, 66, 1425-1435.	1.2	5
51	Type 2 Diabetes Mellitus as a Risk Factor for Alzheimerâ€™s Disease. , 2016, , 387-413.		2
52	Harnessing neurogenesis in the adult brainâ€”A role in type 2 diabetes mellitus and Alzheimer's disease. International Review of Neurobiology, 2020, 155, 235-269.	0.9	2
53	Questioning the evidence for a Janus-faced nature of adult neurogenesis inÂAlzheimerâ€™s disease. Stem Cell Reports, 2021, 16, 1646-1648.	2.3	2
54	Modulation of Hallmarks of Brain Aging by Environmental Enrichment. Oxidative Stress in Applied Basic Research and Clinical Practice, 2016, , 303-319.	0.4	0