

# Eliezer Masliah

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115  
papers

17,535  
citations

48  
h-index

121  
g-index

121  
ext. papers

21,722  
ext. citations

9.4  
avg, IF

6.18  
L-index

#	Paper	IF	Citations
115	Does SARS-CoV-2 affect neurodegenerative disorders? TLR2, a potential receptor for SARS-CoV-2 in the CNS. <i>Experimental and Molecular Medicine</i> , <b>2022</b> ,	12.8	4
114	Noncanonical transnitrosylation network contributes to synapse loss in Alzheimer's disease. <i>Science</i> , <b>2021</b> , 371,	33.3	12
113	Early Selective Vulnerability of the CA2 Hippocampal Subfield in Primary Age-Related Tauopathy. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2021</b> , 80, 102-111	3.1	11
112	Effects of innate immune receptor stimulation on extracellular $\beta$ synuclein uptake and degradation by brain resident cells. <i>Experimental and Molecular Medicine</i> , <b>2021</b> , 53, 281-290	12.8	9
111	NitroSynapsin ameliorates hypersynchronous neural network activity in Alzheimer hiPSC models. <i>Molecular Psychiatry</i> , <b>2020</b> ,	15.1	16
110	Cellular senescence and Alzheimer disease: the egg and the chicken scenario. <i>Nature Reviews Neuroscience</i> , <b>2020</b> , 21, 433-444	13.5	52
109	The Leukotriene Receptor Antagonist Montelukast Reduces Alpha-Synuclein Load and Restores Memory in an Animal Model of Dementia with Lewy Bodies. <i>Neurotherapeutics</i> , <b>2020</b> , 17, 1061-1074	6.4	8
108	LRRK2 mediates microglial neurotoxicity via NFATc2 in rodent models of synucleinopathies. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	21
107	Preclinical development of a high affinity $\beta$ synuclein antibody, MEDI1341, that can enter the brain, sequester extracellular $\beta$ synuclein and attenuate $\beta$ synuclein spreading in vivo. <i>Neurobiology of Disease</i> , <b>2019</b> , 132, 104582	7.5	31
106	Human myeloperoxidase (hMPO) is expressed in neurons in the substantia nigra in Parkinson's disease and in the hMPO- $\beta$ synuclein-A53T mouse model, correlating with increased nitration and aggregation of $\beta$ synuclein and exacerbation of motor impairment. <i>Free Radical Biology and Medicine</i> , <b>2019</b> , 141, 115-140	7.8	18
105	Systemic peptide mediated delivery of an siRNA targeting $\beta$ syn in the CNS ameliorates the neurodegenerative process in a transgenic model of Lewy body disease. <i>Neurobiology of Disease</i> , <b>2019</b> , 127, 163-177	7.5	14
104	NitroSynapsin for the treatment of neurological manifestations of tuberous sclerosis complex in a rodent model. <i>Neurobiology of Disease</i> , <b>2019</b> , 127, 390-397	7.5	3
103	Heritability and genetic variance of dementia with Lewy bodies. <i>Neurobiology of Disease</i> , <b>2019</b> , 127, 492-501	7.9	15
102	The Amazon rain forest plant <i>Uncaria tomentosa</i> (cat's claw) and its specific proanthocyanidin constituents are potent inhibitors and reducers of both brain plaques and tangles. <i>Scientific Reports</i> , <b>2019</b> , 9, 561	4.9	23
101	Effects of single and combined immunotherapy approach targeting amyloid $\beta$ protein and $\beta$ synuclein in a dementia with Lewy bodies-like model. <i>Alzheimer's and Dementia</i> , <b>2019</b> , 15, 1133-1148	1.2	7
100	Targeting Microglial and Neuronal Toll-like Receptor 2 in Synucleinopathies. <i>Experimental Neurobiology</i> , <b>2019</b> , 28, 547-553	4	14
99	Genetic meta-analysis of diagnosed Alzheimer's disease identifies new risk loci and implicates A $\beta$ tau, immunity and lipid processing. <i>Nature Genetics</i> , <b>2019</b> , 51, 414-430	36.3	917

98	A comprehensive screening of copy number variability in dementia with Lewy bodies. <i>Neurobiology of Aging</i> , <b>2019</b> , 75, 223.e1-223.e10	5.6	10
97	Doublecortin expression in CD8+ T-cells and microglia at sites of amyloid- $\beta$ plaques: A potential role in shaping plaque pathology?. <i>Alzheimer's and Dementia</i> , <b>2018</b> , 14, 1022-1037	1.2	22
96	NIA-AA Research Framework: Toward a biological definition of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , <b>2018</b> , 14, 535-562	1.2	3155
95	SIRT1 Deacetylates Tau and Reduces Pathogenic Tau Spread in a Mouse Model of Tauopathy. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 3680-3688	6.6	66
94	Immunotherapy targeting toll-like receptor 2 alleviates neurodegeneration in models of synucleinopathy by modulating $\beta$ synuclein transmission and neuroinflammation. <i>Molecular Neurodegeneration</i> , <b>2018</b> , 13, 43	19	69
93	LRRK2 kinase regulates $\beta$ synuclein propagation via RAB35 phosphorylation. <i>Nature Communications</i> , <b>2018</b> , 9, 3465	17.4	87
92	The small molecule alpha-synuclein misfolding inhibitor, NPT200-11, produces multiple benefits in an animal model of Parkinson's disease. <i>Scientific Reports</i> , <b>2018</b> , 8, 16165	4.9	53
91	A neuropathologic diagnosis of Alzheimer's disease in an older adult with HIV-associated neurocognitive disorder. <i>Neurocase</i> , <b>2018</b> , 24, 213-219	0.8	10
90	Perspective on the calcium dyshomeostasis hypothesis in the pathogenesis of selective neuronal degeneration in animal models of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , <b>2017</b> , 13, 183-185	1.2	8
89	Differential effects of immunotherapy with antibodies targeting $\beta$ synuclein oligomers and fibrils in a transgenic model of synucleinopathy. <i>Neurobiology of Disease</i> , <b>2017</b> , 104, 85-96	7.5	53
88	Novel human neuronal tau model exhibiting neurofibrillary tangles and transcellular propagation. <i>Neurobiology of Disease</i> , <b>2017</b> , 106, 222-234	7.5	33
87	MultiTEP platform-based DNA vaccines for alpha-synucleinopathies: preclinical evaluation of immunogenicity and therapeutic potency. <i>Neurobiology of Aging</i> , <b>2017</b> , 59, 156-170	5.6	5
86	Distinct Pattern of Microgliosis in the Olfactory Bulb of Neurodegenerative Proteinopathies. <i>Neural Plasticity</i> , <b>2017</b> , 2017, 3851262	3.3	19
85	Increased BACE1 activity inhibits peripheral nerve regeneration after injury. <i>Neurobiology of Disease</i> , <b>2017</b> , 106, 147-157	7.5	11
84	SORLA attenuates EphA4 signaling and amyloid $\beta$ induced neurodegeneration. <i>Journal of Experimental Medicine</i> , <b>2017</b> , 214, 3669-3685	16.6	19
83	NitroSynapsin therapy for a mouse MEF2C haploinsufficiency model of human autism. <i>Nature Communications</i> , <b>2017</b> , 8, 1488	17.4	47
82	ER-associated degradation regulates Alzheimer's amyloid pathology and memory function by modulating $\beta$ secretase activity. <i>Nature Communications</i> , <b>2017</b> , 8, 1472	17.4	36
81	PPAR $\beta$ activation by bexarotene promotes neuroprotection by restoring bioenergetic and quality control homeostasis. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	40

80	Differential Effects of Pharmacologic and Genetic Modulation of NMDA Receptor Activity on HIV/gp120-Induced Neuronal Damage in an In Vivo Mouse Model. <i>Journal of Molecular Neuroscience</i> , <b>2016</b> , 58, 59-65	3.3	10
79	Role of sulfiredoxin as a peroxiredoxin-2 denitrosylase in human iPSC-derived dopaminergic neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E7564-E7571	11.5	23
78	Five and four dimensional experiments for robust backbone resonance assignment of large intrinsically disordered proteins: application to Tau3x protein. <i>Journal of Biomolecular NMR</i> , <b>2016</b> , 65, 193-203	3	7
77	Exposure to bacterial endotoxin generates a distinct strain of $\beta$ synuclein fibril. <i>Scientific Reports</i> , <b>2016</b> , 6, 30891	4.9	85
76	Expression of A152T human tau causes age-dependent neuronal dysfunction and loss in transgenic mice. <i>EMBO Reports</i> , <b>2016</b> , 17, 530-51	6.5	77
75	Meta-analysis of synaptic pathology in Alzheimer's disease reveals selective molecular vesicular machinery vulnerability. <i>Alzheimer's and Dementia</i> , <b>2016</b> , 12, 633-44	1.2	87
74	$\beta$ Synuclein interferes with the ESCRT-III complex contributing to the pathogenesis of Lewy body disease. <i>Human Molecular Genetics</i> , <b>2016</b> , 25, 1100-15	5.6	35
73	Accelerated epigenetic aging in brain is associated with pre-mortem HIV-associated neurocognitive disorders. <i>Journal of NeuroVirology</i> , <b>2016</b> , 22, 366-75	3.9	84
72	Systemic Central Nervous System (CNS)-targeted Delivery of Neuropeptide Y (NPY) Reduces Neurodegeneration and Increases Neural Precursor Cell Proliferation in a Mouse Model of Alzheimer Disease. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 1905-1920	5.4	31
71	Severely impaired hippocampal neurogenesis associates with an early serotonergic deficit in a BAC $\beta$ synuclein transgenic rat model of Parkinson's disease. <i>Neurobiology of Disease</i> , <b>2016</b> , 85, 206-217	7.5	58
70	An Anti- $\beta$ Amyloid Vaccine for Treating Cognitive Deficits in a Mouse Model of Down Syndrome. <i>PLoS ONE</i> , <b>2016</b> , 11, e0152471	3.7	24
69	Non-cell-autonomous Neurotoxicity of $\beta$ synuclein Through Microglial Toll-like Receptor 2. <i>Experimental Neurobiology</i> , <b>2016</b> , 25, 113-9	4	60
68	Therapeutic advantage of pro-electrophilic drugs to activate the Nrf2/ARE pathway in Alzheimer's disease models. <i>Cell Death and Disease</i> , <b>2016</b> , 7, e2499	9.8	50
67	Decreased Coenzyme Q10 Levels in Multiple System Atrophy Cerebellum. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2016</b> , 75, 663-72	3.1	38
66	Prediction of conversion from mild cognitive impairment to dementia with neuronally derived blood exosome protein profile. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , <b>2016</b> , 3, 63-72	5.2	172
65	Lifetime methamphetamine dependence is associated with cerebral microgliosis in HIV-1-infected adults. <i>Journal of NeuroVirology</i> , <b>2016</b> , 22, 650-660	3.9	9
64	A de novo compound targeting $\beta$ synuclein improves deficits in models of Parkinson's disease. <i>Brain</i> , <b>2016</b> , 139, 3217-3236	11.2	76
63	Parkinson's disease genes VPS35 and EIF4G1 interact genetically and converge on $\beta$ synuclein. <i>Neuron</i> , <b>2015</b> , 85, 76-87	13.9	122

62	Protein profiling of isolated uterine AA amyloidosis causing fetal death in goats. <i>FASEB Journal</i> , <b>2015</b> , 29, 911-9	0.9	9
61	Protection from cyanide-induced brain injury by the Nrf2 transcriptional activator carnosic acid. <i>Journal of Neurochemistry</i> , <b>2015</b> , 133, 898-908	6	34
60	Recognition memory span in autopsy-confirmed Dementia with Lewy Bodies and Alzheimer's Disease. <i>Neuropsychologia</i> , <b>2015</b> , 75, 548-55	3.2	7
59	Parkinson disease mutant E46K enhances $\beta$ -synuclein phosphorylation in mammalian cell lines, in yeast, and in vivo. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 9412-27	5.4	41
58	Critical role of acetylation in tau-mediated neurodegeneration and cognitive deficits. <i>Nature Medicine</i> , <b>2015</b> , 21, 1154-62	50.5	300
57	Antagonizing Neuronal Toll-like Receptor 2 Prevents Synucleinopathy by Activating Autophagy. <i>Cell Reports</i> , <b>2015</b> , 13, 771-782	10.6	77
56	Neural Stem Cells Rescue Cognitive and Motor Dysfunction in a Transgenic Model of Dementia with Lewy Bodies through a BDNF-Dependent Mechanism. <i>Stem Cell Reports</i> , <b>2015</b> , 5, 791-804	8	46
55	Nerve Growth Factor Gene Therapy: Activation of Neuronal Responses in Alzheimer Disease. <i>JAMA Neurology</i> , <b>2015</b> , 72, 1139-47	17.2	183
54	DNA repair factor BRCA1 depletion occurs in Alzheimer brains and impairs cognitive function in mice. <i>Nature Communications</i> , <b>2015</b> , 6, 8897	17.4	104
53	Novel therapeutic strategy for neurodegeneration by blocking A $\beta$ seeding mediated aggregation in models of Alzheimer's disease. <i>Neurobiology of Disease</i> , <b>2015</b> , 74, 144-57	7.5	21
52	Hypoxia reduces neuroinflammation and $\beta$ -synuclein accumulation in a mouse model of Parkinson's disease. <i>Journal of Neuroinflammation</i> , <b>2015</b> , 12, 236	10.1	23
51	Social Cognition Impairments in Mice Overexpressing Alpha-Synuclein Under the Thy1 Promoter, a Model of Pre-manifest Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , <b>2015</b> , 5, 669-680	5.3	16
50	Mechanisms of HIV-1 Tat neurotoxicity via CDK5 translocation and hyper-activation: role in HIV-associated neurocognitive disorders. <i>Current HIV Research</i> , <b>2015</b> , 13, 43-54	1.3	41
49	Neurodegeneration: Aggregates feel the strain. <i>Nature</i> , <b>2015</b> , 522, 296-7	50.4	10
48	Life extension factor klotho prevents mortality and enhances cognition in hAPP transgenic mice. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 2358-71	6.6	105
47	Astrocytic adenosine receptor A2A and Gs-coupled signaling regulate memory. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 423-34	25.5	165
46	Increased tau phosphorylation and aggregation in the hippocampus of mice overexpressing corticotropin-releasing factor. <i>Journal of Alzheimer's Disease</i> , <b>2015</b> , 43, 967-76	4.3	33
45	Pathogenesis of synaptic degeneration in Alzheimer's disease and Lewy body disease. <i>Biochemical Pharmacology</i> , <b>2014</b> , 88, 508-16	6	153

44	Neurogranin binds $\beta$ synuclein in the human superior temporal cortex and interaction is decreased in Parkinson's disease. <i>Brain Research</i> , <b>2014</b> , 1591, 102-10	3.7	16
43	Transglutaminase 2 exacerbates $\beta$ synuclein toxicity in mice and yeast. <i>FASEB Journal</i> , <b>2014</b> , 28, 4280-91	0.9	18
42	Intracellular alpha-synuclein affects early maturation of primary oligodendrocyte progenitor cells. <i>Molecular and Cellular Neurosciences</i> , <b>2014</b> , 62, 68-78	4.8	33
41	Glucocerebrosidase depletion enhances cell-to-cell transmission of $\beta$ synuclein. <i>Nature Communications</i> , <b>2014</b> , 5, 4755	17.4	123
40	Toward a unified therapeutics approach targeting putative amyloid- $\beta$ oligomer receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 13680-1	11.5	10
39	Reducing C-terminal-truncated alpha-synuclein by immunotherapy attenuates neurodegeneration and propagation in Parkinson's disease-like models. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 9441-54	6.6	199
38	ESCRT-mediated uptake and degradation of brain-targeted $\beta$ synuclein single chain antibody attenuates neuronal degeneration in vivo. <i>Molecular Therapy</i> , <b>2014</b> , 22, 1753-67	11.7	68
37	Structural diversity of Alzheimer's disease amyloid- $\beta$ dimers and their role in oligomerization and fibril formation. <i>Journal of Alzheimer's Disease</i> , <b>2014</b> , 39, 583-600	4.3	21
36	Apathy and APOE4 are associated with reduced BDNF levels in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2014</b> , 42, 1347-55	4.3	47
35	Prodegenerative $\beta$ expression in oligodendroglial $\beta$ synuclein models of multiple system atrophy. <i>Neurobiology of Disease</i> , <b>2014</b> , 63, 171-83	7.5	8
34	$\beta$ synuclein impairs oligodendrocyte progenitor maturation in multiple system atrophy. <i>Neurobiology of Aging</i> , <b>2014</b> , 35, 2357-68	5.6	48
33	Immunotherapy for neurodegenerative diseases: focus on $\beta$ synucleinopathies. <i>Pharmacology &amp; Therapeutics</i> , <b>2013</b> , 138, 311-22	13.9	90
32	Neuron-released oligomeric $\beta$ synuclein is an endogenous agonist of TLR2 for paracrine activation of microglia. <i>Nature Communications</i> , <b>2013</b> , 4, 1562	17.4	477
31	Role of $\beta$ synuclein in adult neurogenesis and neuronal maturation in the dentate gyrus. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 16906-16	6.6	85
30	Antibody-aided clearance of extracellular $\beta$ synuclein prevents cell-to-cell aggregate transmission. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 13454-69	6.6	243
29	Regionally-specific microglial activation in young mice over-expressing human wildtype alpha-synuclein. <i>Experimental Neurology</i> , <b>2012</b> , 237, 318-34	5.7	148
28	Prion infection promotes extensive accumulation of $\beta$ synuclein in aged human $\beta$ synuclein transgenic mice. <i>Prion</i> , <b>2012</b> , 6, 184-90	2.3	18
27	Direct transfer of alpha-synuclein from neuron to astroglia causes inflammatory responses in synucleinopathies. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 9262-72	5.4	555

26	Inclusion formation and neuronal cell death through neuron-to-neuron transmission of alpha-synuclein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 13010-5	11.5	1124
25	Mutant alpha-synuclein exacerbates age-related decrease of neurogenesis. <i>Neurobiology of Aging</i> , <b>2008</b> , 29, 913-25	5.6	96
24	Ubiquitinated TDP-43 in frontotemporal lobar degeneration and amyotrophic lateral sclerosis. <i>Science</i> , <b>2006</b> , 314, 130-3	33.3	4289
23	Transgenic Models of $\beta$ Synuclein Pathology. <i>Annals of the New York Academy of Sciences</i> , <b>2006</b> , 991, 171-188	6.5	80
22	Locally reduced levels of acidic FGF lead to decreased expression of 28-kda calbindin and contribute to the selective vulnerability of the neurons in the entorhinal cortex in Alzheimer's disease. <i>Neuropathology</i> , <b>2001</b> , 21, 203-11	2	24
21	Altered expression of glutamate transporters under hypoxic conditions in vitro. <i>Journal of Neuroscience Research</i> , <b>2001</b> , 64, 193-202	4.4	16
20	Partial caudal duplication in a newborn associated with meningomyelocele and complex heart anomaly. <i>Teratology</i> , <b>2001</b> , 63, 94-9		21
19	TGF-beta1 promotes microglial amyloid-beta clearance and reduces plaque burden in transgenic mice. <i>Nature Medicine</i> , <b>2001</b> , 7, 612-8	50.5	507
18	The role of synaptic proteins in Alzheimer's disease. <i>Annals of the New York Academy of Sciences</i> , <b>2000</b> , 924, 68-75	6.5	31
17	Fibroblast growth factor modulates HIV coreceptor CXCR4 expression by neural cells. HNRC Group. <i>Journal of Neuroscience Research</i> , <b>2000</b> , 59, 671-9	4.4	50
16	LDL receptor-related protein (LRP) in Alzheimer's disease: towards a unified theory of pathogenesis. <i>Microscopy Research and Technique</i> , <b>2000</b> , 50, 268-72	2.8	37
15	Vitamin E supplementation prevents spatial learning deficits and dendritic alterations in aged apolipoproteinE-deficient mice. <i>European Journal of Neuroscience</i> , <b>2000</b> , 12, 4541-4546	3.5	1
14	Fetal obstructive uropathy: patterns of renal pathology. <i>Pediatric and Developmental Pathology</i> , <b>2000</b> , 3, 223-31	2.2	32
13	Complex vascular lesions at autopsy in a patient with phentermine-fenfluramin. <i>Archives of Pathology and Laboratory Medicine</i> , <b>2000</b> , 124, 801-2	5	1
12	Alpha-synuclein in Lewy body disease and Alzheimer's disease. <i>Brain Pathology</i> , <b>1999</b> , 9, 707-20	6	188
11	Abnormalities in central nervous system development in osteogenesis imperfecta type II. <i>Pediatric and Developmental Pathology</i> , <b>1999</b> , 2, 124-30	2.2	15
10	Complex vascular lesions at autopsy in a patient with phentermine-fenfluramine use and rapidly progressing pulmonary hypertension. <i>Archives of Pathology and Laboratory Medicine</i> , <b>1999</b> , 123, 539-40	5	12
9	Caspase dependent DNA fragmentation might be associated with excitotoxicity in Alzheimer disease. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>1998</b> , 57, 1041-52	3.1	115



8	Amyloidogenic role of cytokine TGF-beta1 in transgenic mice and in Alzheimer's disease. <i>Nature</i> , <b>1997</b> , 389, 603-6	50.4	366
7	Genetic evidence for the involvement of tau in progressive supranuclear palsy. <i>Annals of Neurology</i> , <b>1997</b> , 41, 277-81	9.4	396
6	Glycogen synthase kinase 3 alteration in Alzheimer disease is related to neurofibrillary tangle formation. <i>Molecular and Chemical Neuropathology</i> , <b>1996</b> , 29, 253-61		63
5	Patterns of neurodegeneration in HIV encephalitis. <i>Journal of Neuro-AIDS</i> , <b>1996</b> , 1, 161-73		36
4	Differential vulnerability of calbindin-immunoreactive neurons in HIV encephalitis. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>1995</b> , 54, 350-7	3.1	46
3	Topographical distribution of synaptic-associated proteins in the neuritic plaques of Alzheimer's disease hippocampus. <i>Acta Neuropathologica</i> , <b>1994</b> , 87, 135-142	14.3	1
2	The role of synaptic proteins in the pathogenesis of disorders of the central nervous system. <i>Brain Pathology</i> , <b>1993</b> , 3, 77-85	6	118
1	Spectrum of human immunodeficiency virus-associated neocortical damage. <i>Annals of Neurology</i> , <b>1992</b> , 32, 321-9	9.4	326