Frank M Longo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6948050/publications.pdf

Version: 2024-02-01

56 papers	3,779 citations	186209 28 h-index	168321 53 g-index
57 all docs	57 docs citations	57 times ranked	5754 citing authors

#	Article	IF	Citations
1	Young blood reverses age-related impairments in cognitive function and synaptic plasticity in mice. Nature Medicine, 2014, 20, 659-663.	15.2	858
2	Restoring metabolism of myeloid cells reverses cognitive decline in ageing. Nature, 2021, 590, 122-128.	13.7	264
3	B-Lymphocyte-Mediated Delayed Cognitive Impairment following Stroke. Journal of Neuroscience, 2015, 35, 2133-2145.	1.7	257
4	Small-molecule modulation of neurotrophin receptors: a strategy for the treatment of neurological disease. Nature Reviews Drug Discovery, 2013, 12, 507-525.	21.5	237
5	Loss of Adaptive Myelination Contributes to Methotrexate Chemotherapy-Related Cognitive Impairment. Neuron, 2019, 103, 250-265.e8.	3.8	177
6	Reduced cognitive deficits after FLASH irradiation of whole mouse brain are associated with less hippocampal dendritic spine loss and neuroinflammation. Radiotherapy and Oncology, 2019, 139, 4-10.	0.3	166
7	Small, Nonpeptide p75NTR Ligands Induce Survival Signaling and Inhibit proNGF-Induced Death. Journal of Neuroscience, 2006, 26, 5288-5300.	1.7	144
8	A small molecule p75NTR ligand prevents cognitive deficits and neurite degeneration in an Alzheimer's mouse model. Neurobiology of Aging, 2013, 34, 2052-2063.	1.5	104
9	Microglial complement receptor 3 regulates brain AÎ² levels through secreted proteolytic activity. Journal of Experimental Medicine, 2017, 214, 1081-1092.	4.2	100
10	Small Molecule Neurotrophin Receptor Ligands: Novel Strategies for Targeting Alzheimers Disease Mechanisms. Current Alzheimer Research, 2007, 4, 503-506.	0.7	86
11	Glial scars are permeable to the neurotoxic environment of chronic stroke infarcts. Neurobiology of Disease, 2018, 112, 63-78.	2.1	81
12	Oral Administration of a Small Molecule Targeted to Block proNGF Binding to p75 Promotes Myelin Sparing and Functional Recovery after Spinal Cord Injury. Journal of Neuroscience, 2013, 33, 397-410.	1.7	80
13	A Small Molecule p75NTR Ligand, LM11A-31, Reverses Cholinergic Neurite Dystrophy in Alzheimer's Disease Mouse Models with Mid- to Late-Stage Disease Progression. PLoS ONE, 2014, 9, e102136.	1.1	77
14	The BDNF Valine 68 to Methionine Polymorphism Increases Compulsive Alcohol Drinking in Mice That Is Reversed by Tropomyosin Receptor Kinase B Activation. Biological Psychiatry, 2016, 79, 463-473.	0.7	76
15	Small Molecule p75NTR Ligands Reduce Pathological Phosphorylation and Misfolding of Tau, Inflammatory Changes, Cholinergic Degeneration, and Cognitive Deficits in AÎ²PPL/S Transgenic Mice. Journal of Alzheimer's Disease, 2014, 42, 459-483.	1.2	75
16	[¹⁸F]GE-180 PET Detects Reduced Microglia Activation After LM11A-31 Therapy in a Mouse Model of Alzheimer's Disease. Theranostics, 2017, 7, 1422-1436.	4.6	64
17	A small molecule p75NTR ligand protects neurogenesis after traumatic brain injury. Stem Cells, 2013, 31, 2561-2574.	1.4	62
18	Nerve Growth Factor Pathobiology During the Progression of Alzheimerâ€™s Disease. Frontiers in Neuroscience, 2019, 13, 533.	1.4	60

#	Article	IF	Citations
19	Role of CSPG receptor LAR phosphatase in restricting axon regeneration after CNS injury. Neurobiology of Disease, 2015, 73, 36-48.	2.1	54
20	A small-molecule TrkB ligand restores hippocampal synaptic plasticity and object location memory in Rett syndrome mice. DMM Disease Models and Mechanisms, 2017, 10, 837-845.	1.2	51
21	A BDNF loop-domain mimetic acutely reverses spontaneous apneas and respiratory abnormalities during behavioral arousal in a mouse model of Rett syndrome. DMM Disease Models and Mechanisms, 2014, 7, 1047-1055.	1.2	50
22	Soluble TREM2 is elevated in Parkinsonâ€™s disease subgroups with increased CSF tau. Brain, 2020, 143, 932-943.	3.7	49
23	PET Imaging of Translocator Protein (18 kDa) in a Mouse Model of Alzheimer's Disease Using N-(2,5-Dimethoxybenzyl)-2-¹⁸F-Fluoro-N-(2-Phenoxyphenyl)Acetamide. Journal of Nuclear Medicine, 2015, 56, 311-316.	2.8	47
24	Early life stress disrupts intestinal homeostasis via NGF-TrkA signaling. Nature Communications, 2019, 10, 1745.	5.8	42
25	The Neurotrophic Factor Receptor p75 in the Rat Dorsolateral Striatum Drives Excessive Alcohol Drinking. Journal of Neuroscience, 2016, 36, 10116-10127.	1.7	41
26	A small molecule p75^{NTR}ligand normalizes signalling and reduces Huntingtonâ€™s disease phenotypes in R6/2 and BACHD mice. Human Molecular Genetics, 2016, 25, ddw316.	1.4	39
27	Small Molecule Modulation of p75 Neurotrophin Receptor Functions. CNS and Neurological Disorders - Drug Targets, 2008, 7, 63-70.	0.8	34
28	TSPOâ€“PET imaging using [18F]PBR06 is a potential translatable biomarker for treatment response in Huntingtonâ€™s disease: preclinical evidence with the p75NTR ligand LM11A-31. Human Molecular Genetics, 2018, 27, 2893-2912.	1.4	33
29	A small molecule TrkB/TrkC neurotrophin receptor co-activator with distinctive effects on neuronal survival and process outgrowth. Neuropharmacology, 2016, 110, 343-361.	2.0	31
30	Novel p75 neurotrophin receptor ligand stabilizes neuronal calcium, preserves mitochondrial movement and protects against HIV associated neuropathogenesis. Experimental Neurology, 2016, 275, 182-198.	2.0	31
31	Alzheimerâ€™s associated amyloid and tau deposition co-localizes with a homeostatic myelin repair pathway in two mouse models of post-stroke mixed dementia. Acta Neuropathologica Communications, 2018, 6, 100.	2.4	26
32	Partial TrkB receptor activation suppresses cortical epileptogenesis through actions on parvalbumin interneurons. Neurobiology of Disease, 2018, 113, 45-58.	2.1	25
33	Modulation of the p75 neurotrophin receptor suppresses age-related basal forebrain cholinergic neuron degeneration. Scientific Reports, 2019, 9, 5273.	1.6	25
34	Modulation of the p75 neurotrophin receptor using LM11A-31 prevents diabetes-induced retinal vascular permeability in mice via inhibition of inflammation and the RhoA kinase pathway. Diabetologia, 2019, 62, 1488-1500.	2.9	24
35	Amelioration of cisplatin-induced experimental peripheral neuropathy by a small molecule targeting p75NTR. NeuroToxicology, 2014, 45, 81-90.	1.4	23
36	Receptor dependence of BDNF actions in superficial dorsal horn: relation to central sensitization and actions of macrophage colony stimulating factor 1. Journal of Neurophysiology, 2019, 121, 2308-2322.	0.9	19

#	Article	IF	Citations
37	Small molecule modulation of the p75 neurotrophin receptor inhibits multiple amyloid beta-induced tau pathologies. Scientific Reports, 2020, 10, 20322.	1.6	19
38	Neuroimaging, Urinary, and Plasma Biomarkers of Treatment Response in Huntington's Disease: Preclinical Evidence with the p75NTR Ligand LM11A-31. Neurotherapeutics, 2021, 18, 1039-1063.	2.1	16
39	Small molecule modulation of TrkB and TrkC neurotrophin receptors prevents cholinergic neuron atrophy in an Alzheimer's disease mouse model at an advanced pathological stage. Neurobiology of Disease, 2022, 162, 105563.	2.1	16
40	Unsolicited Patient Complaints Identify Physicians with Evidence of Neurocognitive Disorders. American Journal of Geriatric Psychiatry, 2018, 26, 927-936.	0.6	15
41	Small-molecule modulation of the p75 neurotrophin receptor inhibits a wide range of tau molecular pathologies and their sequelae in P301S tauopathy mice. Acta Neuropathologica Communications, 2020, 8, 156.	2.4	12
42	Neurotrophin Receptor Signaling as a Therapeutic Target for Huntington's Disease. CNS and Neurological Disorders - Drug Targets, 2017, 16, 291-302.	0.8	12
43	Genome-wide analysis of common and rare variants via multiple knockoffs at biobank scale, with an application to Alzheimer disease genetics. American Journal of Human Genetics, 2021, 108, 2336-2353.	2.6	12
44	Chronic partial TrkB activation reduces seizures and mortality in a mouse model of Dravet syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	12
45	Small molecule modulation of the p75 neurotrophin receptor suppresses age- and genotype-associated neurodegeneration in HIV gp120 transgenic mice. Experimental Neurology, 2021, 335, 113489.	2.0	11
46	Restoration of motor learning in a mouse model of Rett syndrome following long-term treatment with a novel small-molecule activator of TrkB. DMM Disease Models and Mechanisms, 2020, 13, .	1.2	9
47	Modulation of p75NTR on Mesenchymal Stem Cells Increases Their Vascular Protection in Retinal Ischemia-Reperfusion Mouse Model. International Journal of Molecular Sciences, 2021, 22, 829.	1.8	7
48	Post-Stroke Administration of the p75 Neurotrophin Receptor Modulator, LM11A-31, Attenuates Chronic Changes in Brain Metabolism, Increases Neurotransmitter Levels, and Improves Recovery. Journal of Pharmacology and Experimental Therapeutics, 2022, 380, 126-141.	1.3	6
49	Establishing a Data Science Unit in an Academic Medical Center: An Illustrative Model. Academic Medicine, 2022, 97, 69-75.	0.8	5
50	Partial Activation of TrkB Receptors Corrects Interneuronal Calcium Channel Dysfunction and Reduces Epileptogenic Activity in Neocortex following Injury. Cerebral Cortex, 2020, 30, 5180-5189.	1.6	4
51	Improved neurocognitive performance in FIV infected cats following treatment with the p75 neurotrophin receptor ligand LM11A-31. Journal of NeuroVirology, 2021, 27, 302-324.	1.0	4
52	Suppression of HIV-associated Macrophage Activation by a p75 Neurotrophin Receptor Ligand. Journal of NeuroImmune Pharmacology, 2022, 17, 242-260.	2.1	4
53	Oral Administration of the p75 Neurotrophin Receptor Modulator, LM11A-31, Improves Erectile Function in a Mouse Model of Cavernous Nerve Injury. Journal of Sexual Medicine, 2021, 18, 17-28.	0.3	3
54	NEXT-GENERATION ALZHEIMERâ€™S THERAPEUTICS: LEVERAGING DEEP BIOLOGY. journal of prevention of Alzheimer's disease, The, 2020, 7, 1-2.	1.5	0

#	Article	IF	Citations
55	Differential effects of cisplatin on lung cancer cells and primary neurons: roles of small GTPase RhoA. FASEB Journal, 2013, 27, 1105.28.	0.2	0
56	Role of RhoA in Cisplatinâ€“Induced Neurotoxicity. FASEB Journal, 2013, 27, 1105.29.	0.2	0