

# Frank M Longo

## List of Publications by Year in descending order

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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	Establishing a Data Science Unit in an Academic Medical Center: An Illustrative Model. <i>Academic Medicine</i> , 2022, 97, 69-75.	0.8	5
2	Suppression of HIV-associated Macrophage Activation by a p75 Neurotrophin Receptor Ligand. <i>Journal of NeuroImmune Pharmacology</i> , 2022, 17, 242-260.	2.1	4
3	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. <i>Neurobiology of Disease</i> , 2022, 162, 105563.	2.1	16
4	Chronic partial TrkB activation reduces seizures and mortality in a mouse model of Dravet syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	12
5	Post-Stroke Administration of the p75 Neurotrophin Receptor Modulator, LM11A-31, Attenuates Chronic Changes in Brain Metabolism, Increases Neurotransmitter Levels, and Improves Recovery. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2022, 380, 126-141.	1.3	6
6	Oral Administration of the p75 Neurotrophin Receptor Modulator, LM11A-31, Improves Erectile Function in a Mouse Model of Cavernous Nerve Injury. <i>Journal of Sexual Medicine</i> , 2021, 18, 17-28.	0.3	3
7	Small molecule modulation of the p75 neurotrophin receptor suppresses age- and genotype-associated neurodegeneration in HIV gp120 transgenic mice. <i>Experimental Neurology</i> , 2021, 335, 113489.	2.0	11
8	Modulation of p75NTR on Mesenchymal Stem Cells Increases Their Vascular Protection in Retinal Ischemia-Reperfusion Mouse Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 829.	1.8	7
9	Restoring metabolism of myeloid cells reverses cognitive decline in ageing. <i>Nature</i> , 2021, 590, 122-128.	13.7	264
10	Improved neurocognitive performance in FIV infected cats following treatment with the p75 neurotrophin receptor ligand LM11A-31. <i>Journal of NeuroVirology</i> , 2021, 27, 302-324.	1.0	4
11	Neuroimaging, Urinary, and Plasma Biomarkers of Treatment Response in Huntington's Disease: Preclinical Evidence with the p75NTR Ligand LM11A-31. <i>Neurotherapeutics</i> , 2021, 18, 1039-1063.	2.1	16
12	Genome-wide analysis of common and rare variants via multiple knockoffs at biobank scale, with an application to Alzheimer disease genetics. <i>American Journal of Human Genetics</i> , 2021, 108, 2336-2353.	2.6	12
13	Small-molecule modulation of the p75 neurotrophin receptor inhibits a wide range of tau molecular pathologies and their sequelae in P301S tauopathy mice. <i>Acta Neuropathologica Communications</i> , 2020, 8, 156.	2.4	12
14	Small molecule modulation of the p75 neurotrophin receptor inhibits multiple amyloid beta-induced tau pathologies. <i>Scientific Reports</i> , 2020, 10, 20322.	1.6	19
15	NEXT-GENERATION ALZHEIMER'S THERAPEUTICS: LEVERAGING DEEP BIOLOGY. <i>Journal of Prevention of Alzheimer's Disease</i> , The, 2020, 7, 1-2.	1.5	0
16	Partial Activation of TrkB Receptors Corrects Interneuronal Calcium Channel Dysfunction and Reduces Epileptogenic Activity in Neocortex following Injury. <i>Cerebral Cortex</i> , 2020, 30, 5180-5189.	1.6	4
17	Soluble TREM2 is elevated in Parkinson's disease subgroups with increased CSF tau. <i>Brain</i> , 2020, 143, 932-943.	3.7	49
18	Restoration of motor learning in a mouse model of Rett syndrome following long-term treatment with a novel small-molecule activator of TrkB. <i>DMM Disease Models and Mechanisms</i> , 2020, 13, .	1.2	9

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19	Nerve Growth Factor Pathobiology During the Progression of Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2019, 13, 533.	1.4	60
20	Reduced cognitive deficits after FLASH irradiation of whole mouse brain are associated with less hippocampal dendritic spine loss and neuroinflammation. <i>Radiotherapy and Oncology</i> , 2019, 139, 4-10.	0.3	166
21	Loss of Adaptive Myelination Contributes to Methotrexate Chemotherapy-Related Cognitive Impairment. <i>Neuron</i> , 2019, 103, 250-265.e8.	3.8	177
22	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. <i>Diabetologia</i> , 2019, 62, 1488-1500.	2.9	24
23	Receptor dependence of BDNF actions in superficial dorsal horn: relation to central sensitization and actions of macrophage colony stimulating factor 1. <i>Journal of Neurophysiology</i> , 2019, 121, 2308-2322.	0.9	19
24	Early life stress disrupts intestinal homeostasis via NGF-TrkA signaling. <i>Nature Communications</i> , 2019, 10, 1745.	5.8	42
25	Modulation of the p75 neurotrophin receptor suppresses age-related basal forebrain cholinergic neuron degeneration. <i>Scientific Reports</i> , 2019, 9, 5273.	1.6	25
26	Partial TrkB receptor activation suppresses cortical epileptogenesis through actions on parvalbumin interneurons. <i>Neurobiology of Disease</i> , 2018, 113, 45-58.	2.1	25
27	Glial scars are permeable to the neurotoxic environment of chronic stroke infarcts. <i>Neurobiology of Disease</i> , 2018, 112, 63-78.	2.1	81
28	Alzheimer's associated amyloid and tau deposition co-localizes with a homeostatic myelin repair pathway in two mouse models of post-stroke mixed dementia. <i>Acta Neuropathologica Communications</i> , 2018, 6, 100.	2.4	26
29	Unsolicited Patient Complaints Identify Physicians with Evidence of Neurocognitive Disorders. <i>American Journal of Geriatric Psychiatry</i> , 2018, 26, 927-936.	0.6	15
30	TSPO PET imaging using [ <sup>18</sup> F]PBR06 is a potential translatable biomarker for treatment response in Huntington's disease: preclinical evidence with the p75NTR ligand LM11A-31. <i>Human Molecular Genetics</i> , 2018, 27, 2893-2912.	1.4	33
31	Microglial complement receptor 3 regulates brain A $\beta$ levels through secreted proteolytic activity. <i>Journal of Experimental Medicine</i> , 2017, 214, 1081-1092.	4.2	100
32	A small-molecule TrkB ligand restores hippocampal synaptic plasticity and object location memory in Rett syndrome mice. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 837-845.	1.2	51
33	[ <sup>18</sup> F]GE-180 PET Detects Reduced Microglia Activation After LM11A-31 Therapy in a Mouse Model of Alzheimer's Disease. <i>Theranostics</i> , 2017, 7, 1422-1436.	4.6	64
34	Neurotrophin Receptor Signaling as a Therapeutic Target for Huntington's Disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2017, 16, 291-302.	0.8	12
35	The Neurotrophic Factor Receptor p75 in the Rat Dorsolateral Striatum Drives Excessive Alcohol Drinking. <i>Journal of Neuroscience</i> , 2016, 36, 10116-10127.	1.7	41
36	A small molecule TrkB/TrkC neurotrophin receptor co-activator with distinctive effects on neuronal survival and process outgrowth. <i>Neuropharmacology</i> , 2016, 110, 343-361.	2.0	31

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37	A small molecule p75 <sup>NTR</sup> ligand normalizes signalling and reduces Huntington's disease phenotypes in R6/2 and BACHD mice. <i>Human Molecular Genetics</i> , 2016, 25, ddd316.	1.4	39
38	Novel p75 neurotrophin receptor ligand stabilizes neuronal calcium, preserves mitochondrial movement and protects against HIV associated neuropathogenesis. <i>Experimental Neurology</i> , 2016, 275, 182-198.	2.0	31
39	The BDNF Valine 68 to Methionine Polymorphism Increases Compulsive Alcohol Drinking in Mice That Is Reversed by Tropomyosin Receptor Kinase B Activation. <i>Biological Psychiatry</i> , 2016, 79, 463-473.	0.7	76
40	B-Lymphocyte-Mediated Delayed Cognitive Impairment following Stroke. <i>Journal of Neuroscience</i> , 2015, 35, 2133-2145.	1.7	257
41	PET Imaging of Translocator Protein (18 kDa) in a Mouse Model of Alzheimer's Disease Using <sup>18</sup> F-Fluoro-(2,5-Dimethoxybenzyl)-2-(2-Phenoxyphenyl)Acetamide. <i>Journal of Nuclear Medicine</i> , 2015, 56, 311-316.	2.8	47
42	Role of CSPG receptor LAR phosphatase in restricting axon regeneration after CNS injury. <i>Neurobiology of Disease</i> , 2015, 73, 36-48.	2.1	54
43	A BDNF loop-domain mimetic acutely reverses spontaneous apneas and respiratory abnormalities during behavioral arousal in a mouse model of Rett syndrome. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 1047-1055.	1.2	50
44	Amelioration of cisplatin-induced experimental peripheral neuropathy by a small molecule targeting p75NTR. <i>NeuroToxicology</i> , 2014, 45, 81-90.	1.4	23
45	Small Molecule p75NTR Ligands Reduce Pathological Phosphorylation and Misfolding of Tau, Inflammatory Changes, Cholinergic Degeneration, and Cognitive Deficits in A $\beta$ 2PPL/S Transgenic Mice. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 459-483.	1.2	75
46	Young blood reverses age-related impairments in cognitive function and synaptic plasticity in mice. <i>Nature Medicine</i> , 2014, 20, 659-663.	15.2	858
47	A Small Molecule p75NTR Ligand, LM11A-31, Reverses Cholinergic Neurite Dystrophy in Alzheimer's Disease Mouse Models with Mid- to Late-Stage Disease Progression. <i>PLoS ONE</i> , 2014, 9, e102136.	1.1	77
48	Small-molecule modulation of neurotrophin receptors: a strategy for the treatment of neurological disease. <i>Nature Reviews Drug Discovery</i> , 2013, 12, 507-525.	21.5	237
49	Oral Administration of a Small Molecule Targeted to Block proNGF Binding to p75 Promotes Myelin Sparing and Functional Recovery after Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2013, 33, 397-410.	1.7	80
50	A small molecule p75NTR ligand prevents cognitive deficits and neurite degeneration in an Alzheimer's mouse model. <i>Neurobiology of Aging</i> , 2013, 34, 2052-2063.	1.5	104
51	A small molecule p75NTR ligand protects neurogenesis after traumatic brain injury. <i>Stem Cells</i> , 2013, 31, 2561-2574.	1.4	62
52	Differential effects of cisplatin on lung cancer cells and primary neurons: roles of small GTPase RhoA. <i>FASEB Journal</i> , 2013, 27, 1105.28.	0.2	0
53	Role of RhoA in Cisplatin-Induced Neurotoxicity. <i>FASEB Journal</i> , 2013, 27, 1105.29.	0.2	0
54	Small Molecule Modulation of p75 Neurotrophin Receptor Functions. <i>CNS and Neurological Disorders - Drug Targets</i> , 2008, 7, 63-70.	0.8	34

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55	Small Molecule Neurotrophin Receptor Ligands: Novel Strategies for Targeting Alzheimers Disease Mechanisms. <i>Current Alzheimer Research</i> , 2007, 4, 503-506.	0.7	86
56	Small, Nonpeptide p75NTR Ligands Induce Survival Signaling and Inhibit proNGF-Induced Death. <i>Journal of Neuroscience</i> , 2006, 26, 5288-5300.	1.7	144