

# Gary Lynch

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,958  
citations

331670

21  
h-index

454955

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2464  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sex differences in synaptic plasticity underlying learning. <i>Journal of Neuroscience Research</i> , 2023, 101, 764-782.	2.9	22
2	Persistent sexually dimorphic effects of adolescent THC exposure on hippocampal synaptic plasticity and episodic memory in rodents. <i>Neurobiology of Disease</i> , 2022, 162, 105565.	4.4	7
3	Prepubescent female rodents have enhanced hippocampal LTP and learning relative to males, reversing in adulthood as inhibition increases. <i>Nature Neuroscience</i> , 2022, 25, 180-190.	14.8	24
4	Endogenous Syngap1 alpha splice forms promote cognitive function and seizure protection. <i>ELife</i> , 2022, 11, .	6.0	10
5	A TrkB agonist and ampakine rescue synaptic plasticity and multiple forms of memory in a mouse model of intellectual disability. <i>Neurobiology of Disease</i> , 2020, 134, 104604.	4.4	16
6	Acquisition of temporal order requires an intact CA3 commissural/associational (C/A) feedback system in mice. <i>Communications Biology</i> , 2019, 2, 251.	4.4	16
7	Epigenetic regulation of immediate-early gene Nr4a2/Nurr1 in the medial habenula during reinstatement of cocaine-associated behavior.. <i>Neuropharmacology</i> , 2019, 153, 13-19.	4.1	13
8	Medial habenula cholinergic signaling regulates cocaine-associated relapse-like behavior. <i>Addiction Biology</i> , 2019, 24, 403-413.	2.6	29
9	Atypical Endocannabinoid Signaling Initiates a New Form of Memory-Related Plasticity at a Cortical Input to Hippocampus. <i>Cerebral Cortex</i> , 2018, 28, 2253-2266.	2.9	50
10	Treating a novel plasticity defect rescues episodic memory in Fragile X model mice. <i>Molecular Psychiatry</i> , 2018, 23, 1798-1806.	7.9	32
11	Memory-Related Synaptic Plasticity Is Sexually Dimorphic in Rodent Hippocampus. <i>Journal of Neuroscience</i> , 2018, 38, 7935-7951.	3.6	86
12	Experiential learning in rodents: past experience enables rapid learning and localized encoding in hippocampus. <i>Learning and Memory</i> , 2017, 24, 569-579.	1.3	2
13	Patch clamp-assisted single neuron lipidomics. <i>Scientific Reports</i> , 2017, 7, 5318.	3.3	13
14	Estrogen's Effects on Excitatory Synaptic Transmission Entail Integrin and TrkB Transactivation and Depend Upon $\beta$ 1-integrin function. <i>Neuropsychopharmacology</i> , 2016, 41, 2723-2732.	5.4	26
15	Chronic Ampakine Treatments Stimulate Dendritic Growth and Promote Learning in Middle-Aged Rats. <i>Journal of Neuroscience</i> , 2016, 36, 1636-1646.	3.6	52
16	A Primary Cortical Input to Hippocampus Expresses a Pathway-Specific and Endocannabinoid-Dependent Form of Long-Term Potentiation. <i>ENeuro</i> , 2016, 3, ENEURO.0160-16.2016.	1.9	65
17	Evidence of Mitochondrial Dysfunction within the Complex Genetic Etiology of Schizophrenia. <i>Molecular Neuropsychiatry</i> , 2015, 1, 201-219.	2.9	74
18	Pronounced differences in signal processing and synaptic plasticity between piriform hippocampal network stages: a prominent role for adenosine. <i>Journal of Physiology</i> , 2015, 593, 2889-2907.	2.9	24

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19	Protein synthesis and consolidation of memory-related synaptic changes. <i>Brain Research</i> , 2015, 1621, 62-72.	2.2	25
20	Mechanisms of white matter change induced by meditation training. <i>Frontiers in Psychology</i> , 2014, 5, 1220.	2.1	45
21	Spaced training rescues memory and ERK1/2 signaling in fragile X syndrome model mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16907-16912.	7.1	49
22	Long-Term Memory Deficits are Associated with Elevated Synaptic ERK1/2 Activation and Reversed by mGluR5 Antagonism in an Animal Model of Autism. <i>Neuropsychopharmacology</i> , 2014, 39, 1664-1673.	5.4	61
23	Reduced Cognition in Syngap1 Mutants Is Caused by Isolated Damage within Developing Forebrain Excitatory Neurons. <i>Neuron</i> , 2014, 82, 1317-1333.	8.1	118
24	Synaptic Abnormalities in the Infralimbic Cortex of a Model of Congenital Depression. <i>Journal of Neuroscience</i> , 2013, 33, 13441-13448.	3.6	35
25	Integrin Dynamics Produce a Delayed Stage of Long-Term Potentiation and Memory Consolidation. <i>Journal of Neuroscience</i> , 2012, 32, 12854-12861.	3.6	80
26	Hippocampal Focal Knockout of CBP Affects Specific Histone Modifications, Long-Term Potentiation, and Long-Term Memory. <i>Neuropsychopharmacology</i> , 2011, 36, 1545-1556.	5.4	207
27	Different Rho GTPase-dependent signaling pathways initiate sequential steps in the consolidation of long-term potentiation. <i>Journal of Cell Biology</i> , 2009, 186, 85-97.	5.2	255
28	Developmental changes in synaptic properties in hippocampus of neonatal rats. <i>Developmental Brain Research</i> , 1989, 49, 105-114.	1.7	112
29	Role of N-methyl-D-aspartate receptors in the induction of synaptic potentiation by burst stimulation patterned after the hippocampal $\bar{I}_r$ -rhythm. <i>Brain Research</i> , 1988, 441, 111-118.	2.2	237
30	Development of glutamate binding sites and their regulation by calcium in rat hippocampus. <i>Developmental Brain Research</i> , 1981, 1, 37-48.	1.7	173