Alcino J Silva

List of Publications by Citations

52 papers	9,392 citations	33 h-index	56 g-index
56 ext. papers	10,536 ext. citations	16.5 avg, IF	5.59 L-index

#	Paper	IF	Citations
52	Deficient long-term memory in mice with a targeted mutation of the cAMP-responsive element-binding protein. *Cell*, **1994**, 79, 59-68	56.2	1572
51	CREB and memory. *Annual Review of Neuroscience*, **1998**, 21, 127-48	17	1181
50	Reversal of learning deficits in a Tsc2+/- mouse model of tuberous sclerosis. *Nature Medicine*, **2008**, 14, 843-8	50.5	656
49	CREB required for the stability of new and reactivated fear memories. *Nature Neuroscience*, **2002**, 5, 348-55	25.5	494
48	A shared neural ensemble links distinct contextual memories encoded close in time. *Nature*, **2016**, 534, 115-8	50.4	443
47	Selective cognitive dysfunction in acetylcholine M1 muscarinic receptor mutant mice. *Nature Neuroscience*, **2003**, 6, 51-8	25.5	439
46	The dorsal hippocampus is essential for context discrimination but not for contextual conditioning.. *Behavioral Neuroscience*, **1998**, 112, 863-874	2.1	396
45	Alpha-CaMKII-dependent plasticity in the cortex is required for permanent memory. *Nature*, **2001**, 411, 309-13	50.4	330
44	Neurofibromin regulation of ERK signaling modulates GABA release and learning. *Cell*, **2008**, 135, 549-60	56.2	311
43	Spaced training induces normal long-term memory in CREB mutant mice. *Current Biology*, **1997**, 7, 1-11	6.3	293
42	A mouse model for the learning and memory deficits associated with neurofibromatosis type I. *Nature Genetics*, **1997**, 15, 281-4	36.3	278
41	Molecular and cellular cognitive studies of the role of synaptic plasticity in memory. *Journal of Neurobiology*, **2003**, 54, 224-37		236
40	Inhibitory autophosphorylation of CaMKII controls PSD association, plasticity, and learning. *Neuron*, **2002**, 36, 493-505	13.9	228
39	The hippocampus plays a selective role in the retrieval of detailed contextual memories. *Current Biology*, **2010**, 20, 1336-44	6.3	179
38	Learning and memory deficits in Notch mutant mice. *Current Biology*, **2003**, 13, 1348-54	6.3	172
37	Learning deficits, but normal development and tumor predisposition, in mice lacking exon 23a of Nf1. *Nature Genetics*, **2001**, 27, 399-405	36.3	156
36	Synaptic tagging during memory allocation. *Nature Reviews Neuroscience*, **2014**, 15, 157-69	13.5	147

35	CCR5 Is a Therapeutic Target for Recovery after Stroke and Traumatic Brain Injury. *Cell*, **2019**, 176, 1143-1157.e13	36.2	131
34	Computer-assisted behavioral assessment of Pavlovian fear conditioning in mice. *Learning and Memory*, **2000**, 7, 58-72	2.8	129
33	Hippocampus-dependent learning and memory is impaired in mice lacking the Ras-guanine-nucleotide releasing factor 1 (Ras-GRF1). *Neuropharmacology*, **2001**, 41, 791-800	5.5	125
32	Consolidation of CS and US representations in associative fear conditioning. *Hippocampus*, **2004**, 14, 557-69	3.5	113
31	Ibotenate lesions of the hippocampus impair spatial learning but not contextual fear conditioning in mice. *Behavioural Brain Research*, **1999**, 98, 77-87	3.4	105
30	Mechanism and treatment for learning and memory deficits in mouse models of Noonan syndrome. *Nature Neuroscience*, **2014**, 17, 1736-43	25.5	97
29	Inducible, pharmacogenetic approaches to the study of learning and memory. *Nature Neuroscience*, **2001**, 4, 1238-43	25.5	94
28	Molecular, cellular, and neuroanatomical substrates of place learning. *Neurobiology of Learning and Memory*, **1998**, 70, 44-61	3.1	80
27	Brain-wide Electrical Spatiotemporal Dynamics Encode Depression Vulnerability. *Cell*, **2018**, 173, 166-180.14	36.2	69
26	Forebrain-specific knockout of B-raf kinase leads to deficits in hippocampal long-term potentiation, learning, and memory. *Journal of Neuroscience Research*, **2006**, 83, 28-38	4.4	61
25	CREB regulates memory allocation in the insular cortex. *Current Biology*, **2014**, 24, 2833-7	6.3	55
24	Mouse models of neurofibromatosis type I: bridging the GAP. *Trends in Molecular Medicine*, **2003**, 9, 19-23	11.5	53
23	Molecular and cellular mechanisms underlying the cognitive deficits associated with neurofibromatosis 1. *Journal of Child Neurology*, **2002**, 17, 622-6; discussion 627-9, 646-51	2.5	53
22	Linking Memories across Time via Neuronal and Dendritic Overlaps in Model Neurons with Active Dendrites. *Cell Reports*, **2016**, 17, 1491-1504	10.6	45
21	Advances and Future Directions for Tuberous Sclerosis Complex Research: Recommendations From the 2015 Strategic Planning Conference. *Pediatric Neurology*, **2016**, 60, 1-12	2.9	34
20	Randomised controlled trial of simvastatin treatment for autism in young children with neurofibromatosis type 1 (SANTA). *Molecular Autism*, **2018**, 9, 12	6.5	33
19	Adult reversal of cognitive phenotypes in neurodevelopmental disorders. *Journal of Neurodevelopmental Disorders*, **2009**, 1, 150-7	4.6	33
18	Fear-potentiated startle, but not prepulse inhibition of startle, is impaired in CREB[illegible] mutant mice.. *Behavioral Neuroscience*, **2000**, 114, 998-1004	2.1	24

17	Resting state functional MRI reveals abnormal network connectivity in neurofibromatosis 1. *Human Brain Mapping*, **2015**, 36, 4566-81	5.9	21
16	Miniaturized two-photon microscope: seeing clearer and deeper into the brain. *Light: Science and Applications*, **2017**, 6, e17104	16.7	16
15	The mouse as a model for neuropsychiatric drug development. *Current Biology*, **2018**, 28, R909-R914	6.3	15
14	Spatial working memory in neurofibromatosis 1: Altered neural activity and functional connectivity. *NeuroImage: Clinical*, **2017**, 15, 801-811	5.3	12
13	Noonan syndrome-associated SHP2 mutation differentially modulates the expression of postsynaptic receptors according to developmental maturation. *Neuroscience Letters*, **2017**, 649, 41-47	3.3	9
12	Pharmacological blockers of CCR5 and CXCR4 improve recovery after traumatic brain injury. *Experimental Neurology*, **2021**, 338, 113604	5.7	9
11	The need for novel informatics tools for integrating and planning research in molecular and cellular cognition. *Learning and Memory*, **2015**, 22, 494-8	2.8	8
10	Chemokine Receptors CC Chemokine Receptor 5 and C-X-C Motif Chemokine Receptor 4 Are New Therapeutic Targets for Brain Recovery after Traumatic Brain Injury. *Journal of Neurotrauma*, **2021**, 38, 2003-2017	5.4	7
9	Human Memories Can Be Linked by Temporal Proximity. *Frontiers in Human Neuroscience*, **2019**, 13, 315	3.3	5
8	Risky Decision Making in Neurofibromatosis Type 1: An Exploratory Study. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2017**, 2, 170-179	3.4	2
7	CREB: A Cornerstone of Memory Consolidation? **2005**, 359-380		1
6	Chapter XIII CREB, plasticity and memory. *Handbook of Chemical Neuroanatomy*, **2002**, 19, 329-361		1
5	The emergence of molecular systems neuroscience.. *Molecular Brain*, **2022**, 15, 7	4.5	1
4	Hijacking translation in addiction. *ELife*, **2016**, 5,	8.9	1
3	Postnatal immune activation causes social deficits in a mouse model of tuberous sclerosis: Role of microglia and clinical implications. *Science Advances*, **2021**, 7, eabf2073	14.3	1
2	Dimensions and mechanisms of memory organization. *Neuron*, **2021**, 109, 2649-2662	13.9	1
1	Molecular and Cellular Approaches to Cognitive Impairments Associated with NF1 and Other Rasopathies **2012**, 569-588		