Alcino J Silva

List of Publications by Year
in descending order

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53 papers	11,283 citations	117453 34 h-index	174990 52 g-index
56 all docs	56 docs citations	56 times ranked	10546 citing authors

#	Article	IF	Citations
1	Deficient long-term memory in mice with a targeted mutation of the cAMP-responsive element-binding protein. Cell, 1994, 79, 59-68.	13.5	1,725
2	CREB AND MEMORY. Annual Review of Neuroscience, 1998, 21, 127-148.	5.0	1,345
3	Reversal of learning deficits in a Tsc2+/â^' mouse model of tuberous sclerosis. Nature Medicine, 2008, 14, 843-848.	15.2	771
4	A shared neural ensemble links distinct contextual memories encoded close in time. Nature, 2016, 534, 115-118.	13.7	756
5	CREB required for the stability of new and reactivated fear memories. Nature Neuroscience, 2002, 5, 348-355.	7.1	554
6	Selective cognitive dysfunction in acetylcholine M1 muscarinic receptor mutant mice. Nature Neuroscience, 2003, 6, 51-58.	7.1	487
7	The dorsal hippocampus is essential for context discrimination but not for contextual conditioning.. Behavioral Neuroscience, 1998, 112, 863-874.	0.6	429
8	Neurofibromin Regulation of ERK Signaling Modulates GABA Release and Learning. Cell, 2008, 135, 549-560.	13.5	384
9	Î±-CaMKII-dependent plasticity in the cortex is required for permanent memory. Nature, 2001, 411, 309-313.	13.7	368
10	A mouse model for the learning and memory deficits associated with neurofibromatosis type I. Nature Genetics, 1997, 15, 281-284.	9.4	336
11	Spaced training induces normal long-term memory in CREB mutant mice. Current Biology, 1997, 7, 1-11.	1.8	322
12	Inhibitory Autophosphorylation of CaMKII Controls PSD Association, Plasticity, and Learning. Neuron, 2002, 36, 493-505.	3.8	273
13	Molecular and cellular cognitive studies of the role of synaptic plasticity in memory. Journal of Neurobiology, 2003, 54, 224-237.	3.7	256
14	CCR5 Is a Therapeutic Target for Recovery after Stroke and Traumatic Brain Injury. Cell, 2019, 176, 1143-1157.e13.	13.5	249
15	The Hippocampus Plays a Selective Role in the Retrieval of Detailed Contextual Memories. Current Biology, 2010, 20, 1336-1344.	1.8	229
16	Synaptic tagging during memory allocation. Nature Reviews Neuroscience, 2014, 15, 157-169.	4.9	203
17	Learning and Memory Deficits in Notch Mutant Mice. Current Biology, 2003, 13, 1348-1354.	1.8	200
18	Learning deficits, but normal development and tumor predisposition, in mice lacking exon 23a of Nf1. Nature Genetics, 2001, 27, 399-405.	9.4	187

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19	Computer-Assisted Behavioral Assessment of Pavlovian Fear Conditioning in Mice. Learning and Memory, 2000, 7, 58-72.	0.5	150
20	Brain-wide Electrical Spatiotemporal Dynamics Encode Depression Vulnerability. Cell, 2018, 173, 166-180.e14.	13.5	135
21	Hippocampus-dependent learning and memory is impaired in mice lacking the Ras-guanine-nucleotide releasing factor 1 (Ras-GRF1). Neuropharmacology, 2001, 41, 791-800.	2.0	134
22	Consolidation of CS and US representations in associative fear conditioning. Hippocampus, 2004, 14, 557-569.	0.9	125
23	Mechanism and treatment for learning and memory deficits in mouse models of Noonan syndrome. Nature Neuroscience, 2014, 17, 1736-1743.	7.1	120
24	Ibotenate lesions of the hippocampus impair spatial learning but not contextual fear conditioning in mice. Behavioural Brain Research, 1998, 98, 77-87.	1.2	117
25	Inducible, pharmacogenetic approaches to the study of learning and memory. Nature Neuroscience, 2001, 4, 1238-1243.	7.1	102
26	CREB Regulates Memory Allocation in the Insular Cortex. Current Biology, 2014, 24, 2833-2837.	1.8	94
27	Molecular, Cellular, and Neuroanatomical Substrates of Place Learning. Neurobiology of Learning and Memory, 1998, 70, 44-61.	1.0	83
28	Linking Memories across Time via Neuronal and Dendritic Overlaps in Model Neurons with Active Dendrites. Cell Reports, 2016, 17, 1491-1504.	2.9	80
29	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.	1.3	67
30	Review Article : Molecular and Cellular Mechanisms Underlying the Cognitive Deficits Associated With Neurofibromatosis 1. Journal of Child Neurology, 2002, 17, 622-626.	0.7	64
31	Mouse models of neurofibromatosis type I: bridging the GAP. Trends in Molecular Medicine, 2003, 9, 19-23.	3.5	57
32	Randomised controlled trial of simvastatin treatment for autism in young children with neurofibromatosis type 1 (SANTA). Molecular Autism, 2018, 9, 12.	2.6	52
33	Advances and Future Directions for Tuberous Sclerosis Complex Research: Recommendations From the 2015 Strategic Planning Conference. Pediatric Neurology, 2016, 60, 1-12.	1.0	43
34	CCR5 closes the temporal window for memory linking. Nature, 2022, 606, 146-152.	13.7	40
35	Adult reversal of cognitive phenotypes in neurodevelopmental disorders. Journal of Neurodevelopmental Disorders, 2009, 1, 150-157.	1.5	36
36	Resting state functional <scp>MRI</scp> reveals abnormal network connectivity in neurofibromatosis 1. Human Brain Mapping, 2015, 36, 4566-4581.	1.9	29

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37	The mouse as a model for neuropsychiatric drug development. Current Biology, 2018, 28, R909-R914.	1.8	26
38	Fear-potentiated startle, but not prepulse inhibition of startle, is impaired in CREBÎ±Î´â€“/â€“ mutant mice.. Behavioral Neuroscience, 2000, 114, 998-1004.	0.6	25
39	Spatial working memory in neurofibromatosis 1: Altered neural activity and functional connectivity. NeuroImage: Clinical, 2017, 15, 801-811.	1.4	22
40	Miniaturized two-photon microscope: seeing clearer and deeper into the brain. Light: Science and Applications, 2017, 6, e17104-e17104.	7.7	22
41	Pharmacological blockers of CCR5 and CXCR4 improve recovery after traumatic brain injury. Experimental Neurology, 2021, 338, 113604.	2.0	22
42	Dimensions and mechanisms of memory organization. Neuron, 2021, 109, 2649-2662.	3.8	18
43	Human Memories Can Be Linked by Temporal Proximity. Frontiers in Human Neuroscience, 2019, 13, 315.	1.0	14
44	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.	1.7	14
45	Postnatal immune activation causes social deficits in a mouse model of tuberous sclerosis: Role of microglia and clinical implications. Science Advances, 2021, 7, eabf2073.	4.7	12
46	Noonan syndrome-associated SHP2 mutation differentially modulates the expression of postsynaptic receptors according to developmental maturation. Neuroscience Letters, 2017, 649, 41-47.	1.0	10
47	The need for novel informatics tools for integrating and planning research in molecular and cellular cognition. Learning and Memory, 2015, 22, 494-498.	0.5	8
48	The emergence of molecular systems neuroscience. Molecular Brain, 2022, 15, 7.	1.3	7
49	Risky Decision Making in Neurofibromatosis Type 1: An Exploratory Study. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 170-179.	1.1	2
50	Chapter XIII CREB, plasticity and memory. Handbook of Chemical Neuroanatomy, 2002, 19, 329-361.	0.3	1
51	CREB: A Cornerstone of Memory Consolidation?. , 2005, , 359-380.		1
52	Hijacking translation in addiction. ELife, 2016, 5, .	2.8	1
53	Molecular and Cellular Approaches to Cognitive Impairments Associated with NF1 and Other Rasopathies. , 2012, , 569-588.		0