Masanori Sakaguchi

List of Publications by Year
in descending order

44 papers	2,467 citations	331259 21 h-index	288905 40 g-index
46 all docs	46 docs citations	46 times ranked	3296 citing authors

#	Article	IF	Citations
1	Contribution of adult-born neurons to memory consolidation during rapid eye movement sleep. Neural Regeneration Research, 2022, 17, 307.	1.6	0
2	Metabolic fingerprints of fear memory consolidation during sleep. Molecular Brain, 2021, 14, 30.	1.3	2
3	Calcium imaging of adult-born neurons in freely moving mice. STAR Protocols, 2021, 2, 100238.	0.5	8
4	Remapping of Adult-Born Neuron Activity during Fear Memory Consolidation in Mice. International Journal of Molecular Sciences, 2021, 22, 2874.	1.8	0
5	Real-time, automatic, open-sourceï»¿ï»¿ sleep stage classification system using single EEG for mice. Scientific Reports, 2021, 11, 11151.	1.6	12
6	Fear generalization immediately after contextual fear memory consolidation in mice. Biochemical and Biophysical Research Communications, 2021, 558, 102-106.	1.0	7
7	Novel Galectin-3 Roles in Neurogenesis, Inflammation and Neurological Diseases. Cells, 2021, 10, 3047.	1.8	24
8	Open-Source Software for Real-time Calcium Imaging and Synchronized Neuron Firing Detection. , 2021, 2021, 2997-3003.		4
9	Mechanisms Underlying Memory Consolidation by Adult-Born Neurons During Sleep. Frontiers in Cellular Neuroscience, 2020, 14, 594401.	1.8	4
10	Sparse Activity of Hippocampal Adult-Born Neurons during REM Sleep Is Necessary for Memory Consolidation. Neuron, 2020, 107, 552-565.e10.	3.8	73
11	Progressive Changes in Sleep and Its Relations to Amyloid-Î² Distribution and Learning in SingleAppKnock-In Mice. ENeuro, 2020, 7, ENEURO.0093-20.2020.	0.9	9
12	Miniaturized microscope with flexible light source input for neuronal imaging and manipulation in freely behaving animals. Biochemical and Biophysical Research Communications, 2019, 517, 520-524.	1.0	9
13	Memory consolidation during sleep and adult hippocampal neurogenesis. Neural Regeneration Research, 2019, 14, 20.	1.6	22
14	Concise Review: Regulatory Influence of Sleep and Epigenetics on Adult Hippocampal Neurogenesis and Cognitive and Emotional Function. Stem Cells, 2018, 36, 969-976.	1.4	22
15	Auditory conditioned stimulus presentation during NREM sleep impairs fear memory in mice. Scientific Reports, 2017, 7, 46247.	1.6	8
16	Effect of context exposure after fear learning on memory generalization in mice. Molecular Brain, 2016, 9, 2.	1.3	11
17	Inhibiting the Activity of CA1 Hippocampal Neurons Prevents the Recall of Contextual Fear Memory in Inducible ArchT Transgenic Mice. PLoS ONE, 2015, 10, e0130163.	1.1	11
18	Posttraining Ablation of Adult-Generated Olfactory Granule Cells Degrades Odorâ€“Reward Memories. Journal of Neuroscience, 2014, 34, 15793-15803.	1.7	27

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19	Catching the engram: strategies to examine the memory trace. Molecular Brain, 2012, 5, 32.	1.3	37
20	Roles of Planar Cell Polarity Signaling in Maturation of Neuronal Precursor Cells in the Postnatal Mouse Olfactory Bulb. Stem Cells, 2012, 30, 1726-1733.	1.4	12
21	Neural stem cells, adult neurogenesis, and galectinâ€1: From bench to bedside. Developmental Neurobiology, 2012, 72, 1059-1067.	1.5	29
22	Posttraining Ablation of Adult-Generated Neurons Degrades Previously Acquired Memories. Journal of Neuroscience, 2011, 31, 15113-15127.	1.7	166
23	Impaired spatial and contextual memory formation in galectin-1 deficient mice. Molecular Brain, 2011, 4, 33.	1.3	21
24	Transplantation of human neural stem/progenitor cells overexpressing galectin-1 improves functional recovery from focal brain ischemia in the mongolian gerbil. Molecular Brain, 2011, 4, 35.	1.3	14
25	Galectin-1 is expressed in early-type neural progenitor cells and down-regulates neurogenesis in the adult hippocampus. Molecular Brain, 2011, 4, 7.	1.3	26
26	Functional convergence of developmentally and adultâ€generated granule cells in dentate gyrus circuits supporting hippocampusâ€dependent memory. Hippocampus, 2011, 21, 1348-1362.	0.9	144
27	Impact of early adverse experience on complexity of adult-generated neurons. Translational Psychiatry, 2011, 1, e35-e35.	2.4	25
28	Transplantation of galectinâ€1â€expressing human neural stem cells into the injured spinal cord of adult common marmosets. Journal of Neuroscience Research, 2010, 88, 1394-1405.	1.3	73
29	Expression and Proliferation-Promoting Role of Diversin in the Neuronally Committed Precursor Cells Migrating in the Adult Mouse Brain. Stem Cells, 2010, 28, 2017-2026.	1.4	18
30	Regulation of adult neural progenitor cells by Galectinâ€1/Î²1 Integrin interaction. Journal of Neurochemistry, 2010, 113, 1516-1524.	2.1	26
31	Planar polarity of multiciliated ependymal cells involves the anterior migration of basal bodies regulated by non-muscle myosin II. Development (Cambridge), 2010, 137, 3037-3046.	1.2	94
32	Functional Contribution of Adult-Generated Olfactory Bulb Interneurons: Odor Discrimination versus Odor Memory: Table 1.. Journal of Neuroscience, 2010, 30, 4523-4525.	1.7	5
33	Galectin-1 is expressed in early type neural progenitor cells and down-regulates neurogenesis in the adult hippocampus. Neuroscience Research, 2010, 68, e365.	1.0	0
34	Starting at the endophenotype: A role for alpha-CaMKII in schizophrenia?. Molecular Brain, 2008, 1, 5.	1.3	12
35	Galectin-1 regulates neurogenesis in the subventricular zone and promotes functional recovery after stroke. Experimental Neurology, 2007, 207, 302-313.	2.0	87
36	Regeneration of the central nervous system using endogenous repair mechanisms. Journal of Neurochemistry, 2007, 102, 1459-1465.	2.1	94

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37	Î²-Catenin Signaling Promotes Proliferation of Progenitor Cells in the Adult Mouse Subventricular Zone. Stem Cells, 2007, 25, 2827-2836.	1.4	230
38	Expression and function of galectin-1 in adult neural stem cells. Cellular and Molecular Life Sciences, 2007, 64, 1254-1258.	2.4	31
39	A carbohydrate-binding protein, Galectin-1, promotes proliferation of adult neural stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7112-7117.	3.3	147
40	Subventricular Zone-Derived Neuroblasts Migrate and Differentiate into Mature Neurons in the Post-Stroke Adult Striatum. Journal of Neuroscience, 2006, 26, 6627-6636.	1.7	646
41	A method for gene transfer, single isolation and in vitro assay for neural stem cells. Ensho Saisei, 2005, 25, 50-54.	0.2	1
42	Implantation of dendritic cells in injured adult spinal cord results in activation of endogenous neural stem/progenitor cells leading to de novo neurogenesis and functional recovery. Journal of Neuroscience Research, 2004, 76, 453-465.	1.3	72
43	Human neural stem/progenitor cells, expanded in long-term neurosphere culture, promote functional recovery after focal ischemia in Mongolian gerbils. Journal of Neuroscience Research, 2004, 78, 215-223.	1.3	168
44	Sox21 is a repressor of neuronal differentiation and is antagonized by YB-1. Neuroscience Letters, 2004, 358, 157-160.	1.0	36