

# Masanori Sakaguchi

## List of Publications by Year in descending order

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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	Subventricular Zone-Derived Neuroblasts Migrate and Differentiate into Mature Neurons in the Post-Stroke Adult Striatum. <i>Journal of Neuroscience</i> , 2006, 26, 6627-6636.	1.7	646
2	Î2-Catenin Signaling Promotes Proliferation of Progenitor Cells in the Adult Mouse Subventricular Zone. <i>Stem Cells</i> , 2007, 25, 2827-2836.	1.4	230
3	Human neural stem/progenitor cells, expanded in long-term neurosphere culture, promote functional recovery after focal ischemia in Mongolian gerbils. <i>Journal of Neuroscience Research</i> , 2004, 78, 215-223.	1.3	168
4	Posttraining Ablation of Adult-Generated Neurons Degrades Previously Acquired Memories. <i>Journal of Neuroscience</i> , 2011, 31, 15113-15127.	1.7	166
5	A carbohydrate-binding protein, Galectin-1, promotes proliferation of adult neural stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 7112-7117.	3.3	147
6	Functional convergence of developmentally and adult-generated granule cells in dentate gyrus circuits supporting hippocampus-dependent memory. <i>Hippocampus</i> , 2011, 21, 1348-1362.	0.9	144
7	Regeneration of the central nervous system using endogenous repair mechanisms. <i>Journal of Neurochemistry</i> , 2007, 102, 1459-1465.	2.1	94
8	Planar polarity of multiciliated ependymal cells involves the anterior migration of basal bodies regulated by non-muscle myosin II. <i>Development (Cambridge)</i> , 2010, 137, 3037-3046.	1.2	94
9	Galectin-1 regulates neurogenesis in the subventricular zone and promotes functional recovery after stroke. <i>Experimental Neurology</i> , 2007, 207, 302-313.	2.0	87
10	Transplantation of galectin-1-expressing human neural stem cells into the injured spinal cord of adult common marmosets. <i>Journal of Neuroscience Research</i> , 2010, 88, 1394-1405.	1.3	73
11	Sparse Activity of Hippocampal Adult-Born Neurons during REM Sleep Is Necessary for Memory Consolidation. <i>Neuron</i> , 2020, 107, 552-565.e10.	3.8	73
12	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. <i>Journal of Neuroscience Research</i> , 2004, 76, 453-465.	1.3	72
13	Catching the engram: strategies to examine the memory trace. <i>Molecular Brain</i> , 2012, 5, 32.	1.3	37
14	Sox21 is a repressor of neuronal differentiation and is antagonized by YB-1. <i>Neuroscience Letters</i> , 2004, 358, 157-160.	1.0	36
15	Expression and function of galectin-1 in adult neural stem cells. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 1254-1258.	2.4	31
16	Neural stem cells, adult neurogenesis, and galectin-1: From bench to bedside. <i>Developmental Neurobiology</i> , 2012, 72, 1059-1067.	1.5	29
17	Posttraining Ablation of Adult-Generated Olfactory Granule Cells Degrades Odor-Reward Memories. <i>Journal of Neuroscience</i> , 2014, 34, 15793-15803.	1.7	27
18	Regulation of adult neural progenitor cells by Galectin-1/Î21 Integrin interaction. <i>Journal of Neurochemistry</i> , 2010, 113, 1516-1524.	2.1	26

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19	Galectin-1 is expressed in early-type neural progenitor cells and down-regulates neurogenesis in the adult hippocampus. <i>Molecular Brain</i> , 2011, 4, 7.	1.3	26
20	Impact of early adverse experience on complexity of adult-generated neurons. <i>Translational Psychiatry</i> , 2011, 1, e35-e35.	2.4	25
21	Novel Galectin-3 Roles in Neurogenesis, Inflammation and Neurological Diseases. <i>Cells</i> , 2021, 10, 3047.	1.8	24
22	Concise Review: Regulatory Influence of Sleep and Epigenetics on Adult Hippocampal Neurogenesis and Cognitive and Emotional Function. <i>Stem Cells</i> , 2018, 36, 969-976.	1.4	22
23	Memory consolidation during sleep and adult hippocampal neurogenesis. <i>Neural Regeneration Research</i> , 2019, 14, 20.	1.6	22
24	Impaired spatial and contextual memory formation in galectin-1 deficient mice. <i>Molecular Brain</i> , 2011, 4, 33.	1.3	21
25	Expression and Proliferation-Promoting Role of Diversin in the Neuronally Committed Precursor Cells Migrating in the Adult Mouse Brain. <i>Stem Cells</i> , 2010, 28, 2017-2026.	1.4	18
26	Transplantation of human neural stem/progenitor cells overexpressing galectin-1 improves functional recovery from focal brain ischemia in the mongolian gerbil. <i>Molecular Brain</i> , 2011, 4, 35.	1.3	14
27	Starting at the endophenotype: A role for alpha-CaMKII in schizophrenia?. <i>Molecular Brain</i> , 2008, 1, 5.	1.3	12
28	Roles of Planar Cell Polarity Signaling in Maturation of Neuronal Precursor Cells in the Postnatal Mouse Olfactory Bulb. <i>Stem Cells</i> , 2012, 30, 1726-1733.	1.4	12
29	Real-time, automatic, open-source sleep stage classification system using single EEG for mice. <i>Scientific Reports</i> , 2021, 11, 11151.	1.6	12
30	Effect of context exposure after fear learning on memory generalization in mice. <i>Molecular Brain</i> , 2016, 9, 2.	1.3	11
31	Inhibiting the Activity of CA1 Hippocampal Neurons Prevents the Recall of Contextual Fear Memory in Inducible ArchT Transgenic Mice. <i>PLoS ONE</i> , 2015, 10, e0130163.	1.1	11
32	Miniaturized microscope with flexible light source input for neuronal imaging and manipulation in freely behaving animals. <i>Biochemical and Biophysical Research Communications</i> , 2019, 517, 520-524.	1.0	9
33	Progressive Changes in Sleep and Its Relations to Amyloid- $\beta^2$ Distribution and Learning in Single <i>App</i> Knock-In Mice. <i>ENeuro</i> , 2020, 7, ENEURO.0093-20.2020.	0.9	9
34	Auditory conditioned stimulus presentation during NREM sleep impairs fear memory in mice. <i>Scientific Reports</i> , 2017, 7, 46247.	1.6	8
35	Calcium imaging of adult-born neurons in freely moving mice. <i>STAR Protocols</i> , 2021, 2, 100238.	0.5	8
36	Fear generalization immediately after contextual fear memory consolidation in mice. <i>Biochemical and Biophysical Research Communications</i> , 2021, 558, 102-106.	1.0	7

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37	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
38	Mechanisms Underlying Memory Consolidation by Adult-Born Neurons During Sleep. Frontiers in Cellular Neuroscience, 2020, 14, 594401.	1.8	4
39	Open-Source Software for Real-time Calcium Imaging and Synchronized Neuron Firing Detection. , 2021, 2021, 2997-3003.		4
40	Metabolic fingerprints of fear memory consolidation during sleep. Molecular Brain, 2021, 14, 30.	1.3	2
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	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
43	Remapping of Adult-Born Neuron Activity during Fear Memory Consolidation in Mice. International Journal of Molecular Sciences, 2021, 22, 2874.	1.8	0
44	Contribution of adult-born neurons to memory consolidation during rapid eye movement sleep. Neural Regeneration Research, 2022, 17, 307.	1.6	0