

Takashi Namba

List of Publications by Year in descending order

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46
papers

3,421
citations

185998

28
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243296

44
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docs citations

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times ranked

4772
citing authors

#	ARTICLE	IF	CITATIONS
1	GABAergic Excitation Promotes Neuronal Differentiation in Adult Hippocampal Progenitor Cells. <i>Neuron</i> , 2005, 47, 803-815.	3.8	657
2	Human-specific gene <i>ARHGAP11B</i> promotes basal progenitor amplification and neocortex expansion. <i>Science</i> , 2015, 347, 1465-1470.	6.0	487
3	Roles of Disrupted-In-Schizophrenia 1-Interacting Protein Girdin in Postnatal Development of the Dentate Gyrus. <i>Neuron</i> , 2009, 63, 774-787.	3.8	164
4	Pioneering Axons Regulate Neuronal Polarization in the Developing Cerebral Cortex. <i>Neuron</i> , 2014, 81, 814-829.	3.8	139
5	Behavioral alterations associated with targeted disruption of exons 2 and 3 of the <i>Disc1</i> gene in the mouse. <i>Human Molecular Genetics</i> , 2011, 20, 4666-4683.	1.4	128
6	The fate of neural progenitor cells expressing astrocytic and radial glial markers in the postnatal rat dentate gyrus. <i>European Journal of Neuroscience</i> , 2005, 22, 1928-1941.	1.2	111
7	Glial fibrillary acidic protein-expressing neural progenitors give rise to immature neurons via early intermediate progenitors expressing both glial fibrillary acidic protein and neuronal markers in the adult hippocampus. <i>Neuroscience</i> , 2010, 166, 241-251.	1.1	103
8	Neural progenitor cells and their role in the development and evolutionary expansion of the neocortex. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2017, 6, e256.	5.9	102
9	Clustering, migration, and neurite formation of neural precursor cells in the adult rat hippocampus. <i>Journal of Comparative Neurology</i> , 2007, 502, 275-290.	0.9	101
10	Repetitive Cocaine Administration Decreases Neurogenesis in Adult Rat Hippocampus. <i>Annals of the New York Academy of Sciences</i> , 2004, 1025, 351-362.	1.8	97
11	TAG-1-assisted progenitor elongation streamlines nuclear migration to optimize subapical crowding. <i>Nature Neuroscience</i> , 2013, 16, 1556-1566.	7.1	93
12	Extracellular and Intracellular Signaling for Neuronal Polarity. <i>Physiological Reviews</i> , 2015, 95, 995-1024.	13.1	87
13	A single splice site mutation in human-specific <i>ARHGAP11B</i> causes basal progenitor amplification. <i>Science Advances</i> , 2016, 2, e1601941.	4.7	77
14	NMDA receptor antagonist memantine promotes cell proliferation and production of mature granule neurons in the adult hippocampus. <i>Neuroscience Research</i> , 2009, 63, 259-266.	1.0	75
15	NMDA receptor regulates migration of newly generated neurons in the adult hippocampus via <i>Disrupted-In-Schizophrenia 1</i> (<i>DISC1</i>). <i>Journal of Neurochemistry</i> , 2011, 118, 34-44.	2.1	67
16	Girdin Is an Intrinsic Regulator of Neuroblast Chain Migration in the Rostral Migratory Stream of the Postnatal Brain. <i>Journal of Neuroscience</i> , 2011, 31, 8109-8122.	1.7	64
17	A novel population of Hopx-dependent basal radial glial cells in the developing mouse neocortex. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	62
18	Radial Glial Cell-Neuron Interaction Directs Axon Formation at the Opposite Side of the Neuron from the Contact Site. <i>Journal of Neuroscience</i> , 2015, 35, 14517-14532.	1.7	61

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19	Disrupted-in-schizophrenia 1 regulates transport of ITPR1 mRNA for synaptic plasticity. <i>Nature Neuroscience</i> , 2015, 18, 698-707.	7.1	51
20	Metabolic Regulation of Neocortical Expansion in Development and Evolution. <i>Neuron</i> , 2021, 109, 408-419.	3.8	51
21	Local Application of Neurotrophins Specifies Axons Through Inositol 1,4,5-Trisphosphate, Calcium, and Ca ²⁺ /Calmodulin-Dependent Protein Kinases. <i>Science Signaling</i> , 2011, 4, ra76.	1.6	47
22	Time-dependent enhancement of hippocampus-dependent memory after treatment with memantine: Implications for enhanced hippocampal adult neurogenesis. <i>Hippocampus</i> , 2014, 24, 784-793.	0.9	44
23	The Alzheimer's disease drug memantine increases the number of radial glia-like progenitor cells in adult hippocampus. <i>Glia</i> , 2009, 57, 1082-1090.	2.5	43
24	Decreased cell proliferation in the dentate gyrus of rats after repeated administration of cocaine. <i>Synapse</i> , 2005, 58, 63-71.	0.6	42
25	Effects of repeated phencyclidine administration on adult hippocampal neurogenesis in the rat. <i>Synapse</i> , 2006, 60, 56-68.	0.6	42
26	Neuronal polarization in vivo: Growing in a complex environment. <i>Current Opinion in Neurobiology</i> , 2014, 27, 215-223.	2.0	41
27	Expression of human-specific <i>ARHGAP11B</i> in mice leads to neocortex expansion and increased memory flexibility. <i>EMBO Journal</i> , 2021, 40, e107093.	3.5	40
28	ERK2-Mediated Phosphorylation of Par3 Regulates Neuronal Polarization. <i>Journal of Neuroscience</i> , 2013, 33, 13270-13285.	1.7	38
29	Beyond Axon Guidance: Roles of Slit-Robo Signaling in Neocortical Formation. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 607415.	1.8	33
30	Lamin B1 decline underlies age-related loss of adult hippocampal neurogenesis. <i>EMBO Journal</i> , 2021, 40, e105819.	3.5	33
31	Malformations of Human Neocortex in Development – Their Progenitor Cell Basis and Experimental Model Systems. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 305.	1.8	32
32	Postnatal neurogenesis in hippocampal slice cultures: Early in vitro labeling of neural precursor cells leads to efficient neuronal production. <i>Journal of Neuroscience Research</i> , 2007, 85, 1704-1712.	1.3	30
33	Effects of repeated electroconvulsive seizure on cell proliferation in the rat hippocampus. <i>Synapse</i> , 2010, 64, 814-821.	0.6	29
34	Serotonin Receptor 2A Activation Promotes Evolutionarily Relevant Basal Progenitor Proliferation in the Developing Neocortex. <i>Neuron</i> , 2020, 108, 1113-1129.e6.	3.8	26
35	The role of selective transport in neuronal polarization. <i>Developmental Neurobiology</i> , 2011, 71, 445-457.	1.5	25
36	Time-Lapse Imaging Reveals Symmetric Neurogenic Cell Division of GFAP-Expressing Progenitors for Expansion of Postnatal Dentate Granule Neurons. <i>PLoS ONE</i> , 2011, 6, e25303.	1.1	24

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37	Pigment epithelium-derived factor up-regulation induced by memantine, an N-methyl-d-aspartate receptor antagonist, is involved in increased proliferation of hippocampal progenitor cells. <i>Neuroscience</i> , 2010, 167, 372-383.	1.1	23
38	Prenatal phencyclidine exposure alters hippocampal cell proliferation in offspring rats. <i>Synapse</i> , 2009, 63, 729-736.	0.6	15
39	Primate neocortex development and evolution: Conserved versus evolved folding. <i>Journal of Comparative Neurology</i> , 2019, 527, 1621-1632.	0.9	8
40	Inheritance and flexibility of cell polarity: a clue for understanding human brain development and evolution. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	7
41	Glutaminolysis and the Control of Neural Progenitors in Neocortical Development and Evolution. <i>Neuroscientist</i> , 2023, 29, 177-189.	2.6	6
42	Switching DISC1 Function in Neurogenesis: Dixdc1 Selects DISC1 Binding Partners. <i>Developmental Cell</i> , 2010, 19, 7-8.	3.1	5
43	Non-radial tortuous migration with cell polarity alterations of newly generated granule neurons in the neonatal rat dentate gyrus. <i>Brain Structure and Function</i> , 2019, 224, 3247-3262.	1.2	5
44	Signs of Reduced Basal Progenitor Levels and Cortical Neurogenesis in Human Fetuses with Open Spina Bifida at 11–15 Weeks of Gestation. <i>Journal of Neuroscience</i> , 2020, 40, 1766-1777.	1.7	5
45	Ex vivo Tissue Culture Protocols for Studying the Developing Neocortex. <i>Bio-protocol</i> , 2021, 11, e4031.	0.2	1
46	The Tortuous Routes of Migrating Neurons in the Folding Neocortex. <i>Journal of Neuroscience</i> , 2016, 36, 3887-3889.	1.7	0