Takeshi Kawauchi

List of Publications by Year
in descending order

38 papers	3,084 citations	201385 27 h-index	395343 33 g-index
41 all docs	41 docs citations	41 times ranked	4278 citing authors

#	Article	IF	Citations
1	Ptf1a, a bHLH Transcriptional Gene, Defines GABAergic Neuronal Fates in Cerebellum. Neuron, 2005, 47, 201-213.	3.8	489
2	Rab GTPases-Dependent Endocytic Pathways Regulate Neuronal Migration and Maturation through N-Cadherin Trafficking. Neuron, 2010, 67, 588-602.	3.8	291
3	The in vivo roles of STEF/Tiam1, Rac1 and JNK in cortical neuronal migration. EMBO Journal, 2003, 22, 4190-4201.	3.5	259
4	Cdk5 phosphorylates and stabilizes p27kip1 contributing to actin organization and cortical neuronal migration. Nature Cell Biology, 2006, 8, 17-26.	4.6	251
5	The diabetes-susceptible gene SLC30A8/ZnT8 regulates hepatic insulin clearance. Journal of Clinical Investigation, 2013, 123, 4513-4524.	3.9	200
6	Vinexin: A Novel Vinculin-binding Protein with Multiple SH3 Domains Enhances Actin Cytoskeletal Organization. Journal of Cell Biology, 1999, 144, 59-69.	2.3	171
7	Reelin Controls Neuronal Positioning by Promoting Cell-Matrix Adhesion via Inside-Out Activation of Integrin Î±5Î²1. Neuron, 2012, 76, 353-369.	3.8	156
8	Cell Adhesion and Its Endocytic Regulation in Cell Migration during Neural Development and Cancer Metastasis. International Journal of Molecular Sciences, 2012, 13, 4564-4590.	1.8	121
9	The Outermost Region of the Developing Cortical Plate Is Crucial for Both the Switch of the Radial Migration Mode and the Dab1-Dependent "Inside-Out" Lamination in the Neocortex. Journal of Neuroscience, 2011, 31, 9426-9439.	1.7	104
10	<scp>C</scp>dk5 regulates multiple cellular events in neural development, function and disease. Development Growth and Differentiation, 2014, 56, 335-348.	0.6	100
11	Involvement of a Rac Activator, P-Rex1, in Neurotrophin-Derived Signaling and Neuronal Migration. Journal of Neuroscience, 2005, 25, 4406-4419.	1.7	98
12	MAP1B phosphorylation is differentially regulated by Cdk5/p35, Cdk5/p25, and JNK. Biochemical and Biophysical Research Communications, 2005, 331, 50-55.	1.0	93
13	Molecular Pathways Regulating Cytoskeletal Organization and Morphological Changes in Migrating Neurons. Developmental Neuroscience, 2008, 30, 36-46.	1.0	92
14	Cellular insights into cerebral cortical development: focusing on the locomotion mode of neuronal migration. Frontiers in Cellular Neuroscience, 2015, 9, 394.	1.8	82
15	N-Cadherin regulates radial glial fiber-dependent migration of cortical locomoting neurons. Communicative and Integrative Biology, 2011, 4, 326-330.	0.6	78
16	Extraâ€cell cycle regulatory functions of cyclinâ€dependent kinases (CDK) and CDK inhibitor proteins contribute to brain development and neurological disorders. Genes To Cells, 2013, 18, 176-194.	0.5	50
17	Dissecting the Factors Involved in the Locomotion Mode of Neuronal Migration in the Developing Cerebral Cortex. Journal of Biological Chemistry, 2010, 285, 5878-5887.	1.6	48
18	Cdk5 and its substrates, Dcx and p27kip1, regulate cytoplasmic dilation formation and nuclear elongation in migrating neurons. Development (Cambridge), 2014, 141, 3540-3550.	1.2	43

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19	ADP Ribosylation Factor 6 Regulates Neuronal Migration in the Developing Cerebral Cortex through FIP3/Arfophilin-1-dependent Endosomal Trafficking of N-cadherin. ENeuro, 2016, 3, ENEURO.0148-16.2016.	0.9	41
20	Drosophila Strip serves as a platform for early endosome organization during axon elongation. Nature Communications, 2014, 5, 5180.	5.8	40
21	Silencing p27 reverses post-mitotic state of supporting cells in neonatal mouse cochleae. Molecular and Cellular Neurosciences, 2009, 42, 391-398.	1.0	38
22	The COUP-TFII/Neuropilin-2 is a molecular switch steering diencephalon-derived GABAergic neurons in the developing mouse brain. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4985-94.	3.3	37
23	Rac is involved in the interkinetic nuclear migration of cortical progenitor cells. Neuroscience Research, 2009, 63, 294-301.	1.0	31
24	Regulation of cell adhesion and migration in cortical neurons. Small GTPases, 2011, 2, 36-40.	0.7	31
25	In utero gene therapy rescues microcephaly caused by Pqbp1-hypofunction in neural stem progenitor cells. Molecular Psychiatry, 2015, 20, 459-471.	4.1	31
26	Caveolin-1 Promotes Early Neuronal Maturation via Caveolae-Independent Trafficking of N-Cadherin and L1. IScience, 2018, 7, 53-67.	1.9	31
27	Role of dual leucine zipper-bearing kinase (DLK/MUK/ZPK) in axonal growth. Neuroscience Research, 2010, 66, 37-45.	1.0	30
28	Expression of vinexin Î± in the dorsal half of the eye and in the cardiac outflow tract and atrioventricular canal. Mechanisms of Development, 2001, 106, 147-150.	1.7	19
29	Morphological and Molecular Basis of Cytoplasmic Dilation and Swelling in Cortical Migrating Neurons. Brain Sciences, 2017, 7, 87.	1.1	10
30	Alternative Functions of Cell Cycle-Related and DNA Repair Proteins in Post-mitotic Neurons. Frontiers in Cell and Developmental Biology, 2021, 9, 753175.	1.8	8
31	Tubulin isotype specificity in neuronal migration: Tuba8 canâ€™t fill in for Tuba1a. Journal of Cell Biology, 2017, 216, 2247-2249.	2.3	5
32	Growth Arrest Triggers Extra-Cell Cycle Regulatory Function in Neurons: Possible Involvement of p27kip1 in Membrane Trafficking as Well as Cytoskeletal Regulation. Frontiers in Cell and Developmental Biology, 2019, 7, 64.	1.8	5
33	Cdk5 and p27kip1 regulate the migration and morphological changes of G0-arrested neurons. Neuroscience Research, 2009, 65, S23.	1.0	0
34	Phases of neuronal migration regulated by Rap1 in the developing cerebral cortex. Neuroscience Research, 2010, 68, e81.	1.0	0
35	Dissecting the factors involved in the morphological changes of locomoting neurons in the developing cerebral cortex. Neuroscience Research, 2010, 68, e138.	1.0	0
36	Cellular insights into the locomotion mode of cortical neuronal migration. Neuroscience Research, 2011, 71, e28.	1.0	0

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37	Editorial: In vivo Cell Biology of Cerebral Cortical Development and Its Related Neurological Disorders. Frontiers in Cellular Neuroscience, 2016, 10, 162.	1.8	0
38	Cdk5 and its substrates, Dcx and p27kip1, regulate the formation of cytoplasmic dilation and nuclear elongation in migrating neurons. Journal of Cell Science, 2014, 127, e1-e1.	1.2	0