

Hitoshi Komuro

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

3,002
citations

279798

23
h-index

377865

34
g-index

39
all docs

39
docs citations

39
times ranked

2972
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracellular Ca ²⁺ Fluctuations Modulate the Rate of Neuronal Migration. <i>Neuron</i> , 1996, 17, 275-285.	8.1	385
2	Orchestration of neuronal migration by activity of ion channels, neurotransmitter receptors, and intracellular Ca ²⁺ fluctuations. <i>Journal of Neurobiology</i> , 1998, 37, 110-130.	3.6	251
3	Mode and Tempo of Tangential Cell Migration in the Cerebellar External Granular Layer. <i>Journal of Neuroscience</i> , 2001, 21, 527-540.	3.6	203
4	Distinct Modes of Neuronal Migration in Different Domains of Developing Cerebellar Cortex. <i>Journal of Neuroscience</i> , 1998, 18, 1478-1490.	3.6	198
5	Recognition, adhesion, transmembrane signaling and cell motility in guided neuronal migration. <i>Current Opinion in Neurobiology</i> , 1994, 4, 63-69.	4.2	185
6	Glutamate Stimulates Oligodendrocyte Progenitor Migration Mediated via an α v Integrin/Myelin Proteolipid Protein Complex. <i>Journal of Neuroscience</i> , 2006, 26, 2458-2466.	3.6	180
7	Myelination and Axonal Electrical Activity Modulate the Distribution and Motility of Mitochondria at CNS Nodes of Ranvier. <i>Journal of Neuroscience</i> , 2011, 31, 7249-7258.	3.6	158
8	The role of receptor/channel activity in neuronal cell migration. <i>Journal of Neurobiology</i> , 1995, 26, 299-315.	3.6	151
9	Demyelination Increases Axonal Stationary Mitochondrial Size and the Speed of Axonal Mitochondrial Transport. <i>Journal of Neuroscience</i> , 2010, 30, 6658-6666.	3.6	151
10	Ca ²⁺ transients control CNS neuronal migration. <i>Cell Calcium</i> , 2005, 37, 387-393.	2.4	131
11	Completion of neuronal migration regulated by loss of Ca ²⁺ transients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 8479-8484.	7.1	107
12	Stage-specific control of neuronal migration by somatostatin. <i>Nature</i> , 2002, 415, 77-81.	27.8	101
13	Mitochondrial immobilization mediated by syntaphilin facilitates survival of demyelinated axons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9953-9958.	7.1	98
14	Cellular and Molecular Mechanisms of Cerebellar Granule Cell Migration. <i>Cell Biochemistry and Biophysics</i> , 2003, 37, 213-234.	1.8	79
15	Reversal of Neuronal Migration in a Mouse Model of Fetal Alcohol Syndrome by Controlling Second-Messenger Signalings. <i>Journal of Neuroscience</i> , 2006, 26, 742-756.	3.6	71
16	Neurotrophic effects of PACAP in the cerebellar cortex. <i>Peptides</i> , 2007, 28, 1746-1752.	2.4	65
17	Intrinsic Program for Migration of Cerebellar Granule Cells <i>In Vitro</i> . <i>Journal of Neuroscience</i> , 2002, 22, 5966-5981.	3.6	63
18	How does alcohol impair neuronal migration?. <i>Journal of Neuroscience Research</i> , 2007, 85, 465-470.	2.9	53

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19	Myelin Proteolipid Protein Complexes with β Integrin and AMPA Receptors In Vivo and Regulates AMPA-Dependent Oligodendrocyte Progenitor Cell Migration through the Modulation of Cell-Surface GluR2 Expression. <i>Journal of Neuroscience</i> , 2015, 35, 12018-12032.	3.6	43
20	Rescue of neuronal migration deficits in a mouse model of fetal Minamata disease by increasing neuronal Ca ²⁺ spike frequency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5057-5062.	7.1	42
21	Four distinct phases of basket/stellate cell migration after entering their final destination (the) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.0	38
22	Cerebellar Granule Cell Migration and the Effects of Alcohol. <i>Developmental Neuroscience</i> , 2008, 30, 7-23.	2.0	37
23	Postnatal Migration of Cerebellar Interneurons. <i>Brain Sciences</i> , 2017, 7, 62.	2.3	31
24	Mitochondrial fission augments capsaicin-induced axonal degeneration. <i>Acta Neuropathologica</i> , 2015, 129, 81-96.	7.7	25
25	Light stimuli control neuronal migration by altering of insulin-like growth factor 1 (IGF-1) signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2630-2635.	7.1	24
26	The role of calcium and cyclic nucleotide signaling in cerebellar granule cell migration under normal and pathological conditions. <i>Developmental Neurobiology</i> , 2015, 75, 369-387.	3.0	24
27	Probe, Sample, and Instrument (PSI) The Hat-Trick for Fluorescence Live Cell Imaging. <i>Chemosensors</i> , 2018, 6, 40.	3.6	21
28	Investigating Tunneling Nanotubes in Cancer Cells: Guidelines for Structural and Functional Studies through Cell Imaging. <i>BioMed Research International</i> , 2020, 2020, 1-16.	1.9	21
29	Role of PACAP in Controlling Granule Cell Migration. <i>Cerebellum</i> , 2009, 8, 433-440.	2.5	17
30	Autonomous turning of cerebellar granule cells in vitro by intrinsic programs. <i>Developmental Biology</i> , 2009, 326, 237-249.	2.0	17
31	Cortical layer-specific effects of PACAP and tPA on interneuron migration during postnatal development of the cerebellum. <i>Journal of Neurochemistry</i> , 2014, 130, 241-254.	3.9	17
32	Ex Vivo Imaging of Postnatal Cerebellar Granule Cell Migration Using Confocal Macroscopy. <i>Journal of Visualized Experiments</i> , 2015, , e52810.	0.3	7
33	Granule Cell Migration and Differentiation. , 2013, , 107-125.		5
34	The Role of Galanin in Cerebellar Granule Cell Migration in the Early Postnatal Mouse during Normal Development and after Injury. <i>Journal of Neuroscience</i> , 2021, 41, 8725-8741.	3.6	1
35	Orchestration of neuronal migration by activity of ion channels, neurotransmitter receptors, and intracellular Ca ²⁺ fluctuations. <i>Journal of Neurobiology</i> , 1998, 37, 110-130.	3.6	1
36	Neuronal Cell Migration in Fetal Alcohol Syndrome. , 2011, , 2915-2930.		1

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37	Cerebellar patterning. , 2020, , 107-135.		0
38	Granule Cell Migration and Differentiation. , 2020, , 1-33.		0
39	Granule Cell Migration and Differentiation. , 2022, , 139-171.		0