Hitoshi Komuro

List of Publications by Year
in descending order

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	Granule Cell Migration and Differentiation. , 2022, , 139-171.		0
2	The Role of Galanin in Cerebellar Granule Cell Migration in the Early Postnatal Mouse during Normal Development and after Injury. Journal of Neuroscience, 2021, 41, 8725-8741.	3.6	1
3	Cerebellar patterning. , 2020, , 107-135.		0
4	Investigating Tunneling Nanotubes in Cancer Cells: Guidelines for Structural and Functional Studies through Cell Imaging. BioMed Research International, 2020, 2020, 1-16.	1.9	21
5	Granule Cell Migration and Differentiation. , 2020, , 1-33.		0
6	â€œProbe, Sample, and Instrument (PSI)â€: The Hat-Trick for Fluorescence Live Cell Imaging. Chemosensors, 2018, 6, 40.	3.6	21
7	Postnatal Migration of Cerebellar Interneurons. Brain Sciences, 2017, 7, 62.	2.3	31
8	Ex Vivo Imaging of Postnatal Cerebellar Granule Cell Migration Using Confocal Macroscopy. Journal of Visualized Experiments, 2015, , e52810.	0.3	7
9	Mitochondrial fission augments capsaicin-induced axonal degeneration. Acta Neuropathologica, 2015, 129, 81-96.	7.7	25
10	Myelin Proteolipid Protein Complexes with Âv Integrin and AMPA Receptors In Vivo and Regulates AMPA-Dependent Oligodendrocyte Progenitor Cell Migration through the Modulation of Cell-Surface GluR2 Expression. Journal of Neuroscience, 2015, 35, 12018-12032.	3.6	43
11	The role of calcium and cyclic nucleotide signaling in cerebellar granule cell migration under normal and pathological conditions. Developmental Neurobiology, 2015, 75, 369-387.	3.0	24
12	Corticalâ€layerâ€specific effects of PACAP and <scp>tPA</scp> on interneuron migration during postâ€natal development of the cerebellum. Journal of Neurochemistry, 2014, 130, 241-254.	3.9	17
13	Mitochondrial immobilization mediated by syntaphilin facilitates survival of demyelinated axons. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9953-9958.	7.1	98
14	Granule Cell Migration and Differentiation. , 2013, , 107-125.		5
15	Light stimuli control neuronal migration by altering of insulin-like growth factor 1 (IGF-1) signaling. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2630-2635.	7.1	24
16	Rescue of neuronal migration deficits in a mouse model of fetal Minamata disease by increasing neuronal Ca2+ spike frequency. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5057-5062.	7.1	42
17	Myelination and Axonal Electrical Activity Modulate the Distribution and Motility of Mitochondria at CNS Nodes of Ranvier. Journal of Neuroscience, 2011, 31, 7249-7258.	3.6	158
18	Neuronal Cell Migration in Fetal Alcohol Syndrome. , 2011, , 2915-2930.		1

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19	Demyelination Increases Axonal Stationary Mitochondrial Size and the Speed of Axonal Mitochondrial Transport. Journal of Neuroscience, 2010, 30, 6658-6666.	3.6	151
20	Role of PACAP in Controlling Granule Cell Migration. Cerebellum, 2009, 8, 433-440.	2.5	17
21	Autonomous turning of cerebellar granule cells in vitro by intrinsic programs. Developmental Biology, 2009, 326, 237-249.	2.0	17
22	Four distinct phases of basket/stellate cell migration after entering their final destination (the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	2.0	38
23	Cerebellar Granule Cell Migration and the Effects of Alcohol. Developmental Neuroscience, 2008, 30, 7-23.	2.0	37
24	Neurotrophic effects of PACAP in the cerebellar cortex. Peptides, 2007, 28, 1746-1752.	2.4	65
25	How does alcohol impair neuronal migration?. Journal of Neuroscience Research, 2007, 85, 465-470.	2.9	53
26	Reversal of Neuronal Migration in a Mouse Model of Fetal Alcohol Syndrome by Controlling Second-Messenger Signalings. Journal of Neuroscience, 2006, 26, 742-756.	3.6	71
27	Glutamate Stimulates Oligodendrocyte Progenitor Migration Mediated via an Âv Integrin/Myelin Proteolipid Protein Complex. Journal of Neuroscience, 2006, 26, 2458-2466.	3.6	180
28	Ca2+ transients control CNS neuronal migration. Cell Calcium, 2005, 37, 387-393.	2.4	131
29	Completion of neuronal migration regulated by loss of Ca ²⁺ transients. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8479-8484.	7.1	107
30	Cellular and Molecular Mechanisms of Cerebellar Granule Cell Migration. Cell Biochemistry and Biophysics, 2003, 37, 213-234.	1.8	79
31	Intrinsic Program for Migration of Cerebellar Granule CellsIn Vitro. Journal of Neuroscience, 2002, 22, 5966-5981.	3.6	63
32	Stage-specific control of neuronal migration by somatostatin. Nature, 2002, 415, 77-81.	27.8	101
33	Mode and Tempo of Tangential Cell Migration in the Cerebellar External Granular Layer. Journal of Neuroscience, 2001, 21, 527-540.	3.6	203
34	Orchestration of neuronal migration by activity of ion channels, neurotransmitter receptors, and intracellular Ca2+ fluctuations. Journal of Neurobiology, 1998, 37, 110-130.	3.6	251
35	Distinct Modes of Neuronal Migration in Different Domains of Developing Cerebellar Cortex. Journal of Neuroscience, 1998, 18, 1478-1490.	3.6	198
36	Orchestration of neuronal migration by activity of ion channels, neurotransmitter receptors, and intracellular Ca2 fluctuations. Journal of Neurobiology, 1998, 37, 110-130.	3.6	1

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37	Intracellular Ca2+ Fluctuations Modulate the Rate of Neuronal Migration. Neuron, 1996, 17, 275-285.	8.1	385
38	The role of receptor/channel activity in neuronal cell migration. Journal of Neurobiology, 1995, 26, 299-315.	3.6	151
39	Recognition, adhesion, transmembrane signaling and cell motility in guided neuronal migration. Current Opinion in Neurobiology, 1994, 4, 63-69.	4.2	185