

Naofumi Uesaka

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,427
citations

430874

18
h-index

526287

27
g-index

40
all docs

40
docs citations

40
times ranked

2088
citing authors

#	ARTICLE	IF	CITATIONS
1	Consensus Paper: Cerebellar Development. <i>Cerebellum</i> , 2016, 15, 789-828.	2.5	337
2	Retrograde semaphorin signaling regulates synapse elimination in the developing mouse brain. <i>Science</i> , 2014, 344, 1020-1023.	12.6	115
3	Activity Dependence of Cortical Axon Branch Formation: A Morphological and Electrophysiological Study Using Organotypic Slice Cultures. <i>Journal of Neuroscience</i> , 2005, 25, 1-9.	3.6	113
4	Arc/Arg3.1 Is a Postsynaptic Mediator of Activity-Dependent Synapse Elimination in the Developing Cerebellum. <i>Neuron</i> , 2013, 78, 1024-1035.	8.1	96
5	Retrograde BDNF to TrkB signaling promotes synapse elimination in the developing cerebellum. <i>Nature Communications</i> , 2017, 8, 195.	12.8	91
6	Autism spectrum disorder-like behavior caused by reduced excitatory synaptic transmission in pyramidal neurons of mouse prefrontal cortex. <i>Nature Communications</i> , 2020, 11, 5140.	12.8	82
7	Nucleocytoplasmic translocation of HDAC9 regulates gene expression and dendritic growth in developing cortical neurons. <i>European Journal of Neuroscience</i> , 2010, 31, 1521-1532.	2.6	75
8	Multiple Phases of Climbing Fiber Synapse Elimination in the Developing Cerebellum. <i>Cerebellum</i> , 2018, 17, 722-734.	2.5	60
9	Interplay between Laminar Specificity and Activity-Dependent Mechanisms of Thalamocortical Axon Branching. <i>Journal of Neuroscience</i> , 2007, 27, 5215-5223.	3.6	57
10	Role of pre- and postsynaptic activity in thalamocortical axon branching. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7562-7567.	7.1	48
11	Synapse type-independent degradation of the endocannabinoid 2-arachidonoylglycerol after retrograde synaptic suppression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12195-12200.	7.1	44
12	Setd1a Insufficiency in Mice Attenuates Excitatory Synaptic Function and Recapitulates Schizophrenia-Related Behavioral Abnormalities. <i>Cell Reports</i> , 2020, 32, 108126.	6.4	44
13	The Role of Neural Activity in Cortical Axon Branching. <i>Neuroscientist</i> , 2006, 12, 102-106.	3.5	34
14	Role of RhoA in Activity-Dependent Cortical Axon Branching. <i>Journal of Neuroscience</i> , 2008, 28, 9117-9121.	3.6	34
15	The Metabotropic Glutamate Receptor Subtype 1 Mediates Experience-Dependent Maintenance of Mature Synaptic Connectivity in the Visual Thalamus. <i>Neuron</i> , 2016, 91, 1097-1109.	8.1	30
16	Retrograde Signaling from Progranulin to Sort1 Counteracts Synapse Elimination in the Developing Cerebellum. <i>Neuron</i> , 2018, 97, 796-805.e5.	8.1	30
17	Comprehensive analysis of a novel mouse model of the 22q11.2 deletion syndrome: a model with the most common 3.0-Mb deletion at the human 22q11.2 locus. <i>Translational Psychiatry</i> , 2020, 10, 35.	4.8	30
18	Organotypic Coculture Preparation for the Study of Developmental Synapse Elimination in Mammalian Brain. <i>Journal of Neuroscience</i> , 2012, 32, 11657-11670.	3.6	26

#	ARTICLE	IF	CITATIONS
19	AUTS2 Governs Cerebellar Development, Purkinje Cell Maturation, Motor Function and Social Communication. <i>IScience</i> , 2020, 23, 101820.	4.1	24
20	Presynaptic Mechanisms Mediating Retrograde Semaphorin Signals for Climbing Fiber Synapse Elimination During Postnatal Cerebellar Development. <i>Cerebellum</i> , 2018, 17, 17-22.	2.5	16
21	Single cell electroporation method for axon tracing in cultured slices. <i>Development Growth and Differentiation</i> , 2008, 50, 475-477.	1.5	13
22	Retrograde Signaling for Climbing Fiber Synapse Elimination. <i>Cerebellum</i> , 2015, 14, 4-7.	2.5	8
23	Tonic GABAergic Inhibition Is Essential for Nerve Injury-Induced Afferent Remodeling in the Somatosensory Thalamus and Ectopic Sensations. <i>Cell Reports</i> , 2020, 31, 107797.	6.4	7
24	Molecular Mechanisms of Thalamocortical Axon Targeting. <i>Novartis Foundation Symposium</i> , 2007, 288, 199-211.	1.1	5
25	Phospholipase C β 3 is Required for Climbing Fiber Synapse Elimination in Aldolase C-positive Compartments of the Developing Mouse Cerebellum. <i>Neuroscience</i> , 2021, 462, 36-43.	2.3	4
26	Combining electrophysiology and optogenetics for functional screening of pyramidal neurons in the mouse prefrontal cortex. <i>STAR Protocols</i> , 2021, 2, 100469.	1.2	1
27	Single Cell Electroporation Method for Mammalian CNS Neurons in Organotypic Slice Cultures. , 2009, , 169-177.		1
28	Effective modification of neural activity in CNS organotypic cultures. <i>Neuroscience Research</i> , 2010, 68, e135.	1.9	0
29	Synapse α -non-specific β -degradation of the endocannabinoid 2-arachidonoylglycerol mediating depolarization-induced retrograde synaptic suppression in cerebellar Purkinje cells. <i>Neuroscience Research</i> , 2011, 71, e56.	1.9	0
30	Roles of Purkinje cell activity in climbing fiber synapse elimination in an organotypic coculture preparation of the cerebellum and medulla oblongata. <i>Neuroscience Research</i> , 2011, 71, e93.	1.9	0