Fumio Nakamura

List of Publications by Year
in descending order

56	4,775	172457	168389
papers	citations	29 h-index	53 g-index

57	57	57	4237
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	One-step visualization of natural cell activities in non-labeled living spheroids. Scientific Reports, 2022, 12, 1500.	3.3	3
2	Inhibition of Crmp1 Phosphorylation at Ser522 Ameliorates Motor Function and Neuronal Pathology in Amyotrophic Lateral Sclerosis Model Mice. ENeuro, 2022, 9, ENEURO.0133-22.2022.	1.9	3
3	Distribution of mRNA for GPR143, a receptor of 3,4-L-dihydroxyphenylalanine, and of immunoreactivities for nicotinic acetylcholine receptors in the nigrostriatal and mesolimbic regions. Neuroscience Research, 2021, 170, 370-375.	1.9	2
4	Phosphorylation of Collapsin Response Mediator Protein 1 (CRMP1) at Tyrosine 504 residue regulates Semaphorin 3Aâ€induced cortical dendritic growth. Journal of Neurochemistry, 2021, 157, 1207-1221.	3.9	10
5	Right ventricular overloading is attenuated in monocrotaline-induced pulmonary hypertension model rats with a disrupted Gpr143 gene, the gene that encodes the 3,4-L-dihydroxyphenyalanine (L-DOPA) receptor. Journal of Pharmacological Sciences, 2021, 148, 214-220.	2.5	4
6	Collapsin Response Mediator Proteins: Their Biological Functions and Pathophysiology in Neuronal Development and Regeneration. Frontiers in Cellular Neuroscience, 2020, 14, 188.	3.7	42
7	Reduction in flippase activity contributes to surface presentation of phosphatidylserine in human senescent erythrocytes. Journal of Cellular and Molecular Medicine, 2020, 24, 13991-14000.	3.6	14
8	Low Incidence of High-Grade Pancreatic Intraepithelial Neoplasia Lesions in a Crmp4 Geneâ€"Deficient Mouse Model of Pancreatic Cancer. Translational Oncology, 2020, 13, 100746.	3.7	2
9	ATP11C T418N, a gene mutation causing congenital hemolytic anemia, reduces flippase activity due to improper membrane trafficking. Biochemical and Biophysical Research Communications, 2019, 516, 705-712.	2.1	5
10	Network-guided analysis of hippocampal proteome identifies novel proteins that colocalize with AÎ² in a mice model of early-stage Alzheimerâ€™s disease. Neurobiology of Disease, 2019, 132, 104603.	4.4	13
11	Immunoreactivity of a G protein-coupled l-DOPA receptor GPR143, in Lewy bodies. Neuroscience Research, 2019, 148, 49-53.	1.9	2
12	Label-free and spectral-analysis-free detection of neuropsychiatric disease biomarkers using an ion-sensitive GaInAsP nanolaser biosensor. Biosensors and Bioelectronics, 2018, 117, 161-167.	10.1	16
13	Proteome and behavioral alterations in phosphorylation-deficient mutant Collapsin Response Mediator Protein2 knock-in mice. Neurochemistry International, 2018, 119, 207-217.	3.8	18
14	Immunoreactive signals of GPR143 in the ventral tegmental area, substantia nigra and their trajectories. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-1-110.	0.0	0
15	A functional coupling between CRMP1 and Nav1.7 for retrograde propagation of Semaphorin3A signaling. Journal of Cell Science, 2017, 130, 1393-1403.	2.0	13
16	Probing the lithium-response pathway in hiPSCs implicates the phosphoregulatory set-point for a cytoskeletal modulator in bipolar pathogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4462-E4471.	7.1	129
17	Protein Tyrosine Phosphatase Î´ Mediates the Sema3A-Induced Cortical Basal Dendritic Arborization through the Activation of Fyn Tyrosine Kinase. Journal of Neuroscience, 2017, 37, 7125-7139.	3.6	25
18	Structural basis for CRMP2-induced axonal microtubule formation. Scientific Reports, 2017, 7, 10681.	3.3	50

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19	CRMP1 and CRMP4 are required for proper orientation of dendrites of cerebral pyramidal neurons in the developing mouse brain. Brain Research, 2017, 1655, 161-167.	2.2	11
20	Label- and spectral-analysis-free detection of neuropsychiatric disease biomarker using ion-sensitive nanolaser. , 2017, , .		2
21	L-DOPA sensitizes vasomotor tone by modulating the vascular alpha1-adrenergic receptor. JCI Insight, 2017, 2, .	5.0	17
22	Expression of receptor protein tyrosine phosphatase Î´, PTPÎ´, in mouse central nervous system. Brain Research, 2016, 1642, 244-254.	2.2	23
23	Comprehensive behavioral study and proteomic analyses of <scp>CRMP</scp>2â€deficient mice. Genes To Cells, 2016, 21, 1059-1079.	1.2	31
24	<scp>CRMP</scp>1 and <scp>CRMP</scp>2 have synergistic but distinct roles in dendritic development. Genes To Cells, 2016, 21, 994-1005.	1.2	57
25	Regulation of dendritic development by semaphorin 3A through novel intracellular remote signaling. Cell Adhesion and Migration, 2016, 10, 627-640.	2.7	39
26	Semaphorin3A-induced axonal transport mediated through phosphorylation of Axin-1 by GSK3Î². Brain Research, 2015, 1598, 46-56.	2.2	7
27	Expression of ocular albinism 1 (OA1), 3, 4- dihydroxy- L-phenylalanine (DOPA) receptor, in both neuronal and non-neuronal organs. Brain Research, 2015, 1602, 62-74.	2.2	27
28	Localization of ocular albinism-1 gene product GPR143 in the rat central nervous system. Neuroscience Research, 2014, 88, 49-57.	1.9	9
29	Amino- and carboxyl-terminal domains of Filamin-A interact with CRMP1 to mediate Sema3A signalling. Nature Communications, 2014, 5, 5325.	12.8	46
30	Plexin-A4-dependent retrograde semaphorin 3A signalling regulates the dendritic localization of GluA2-containing AMPA receptors. Nature Communications, 2014, 5, 3424.	12.8	44
31	Phosphorylation of CRMP2 is involved in proper bifurcation of the apical dendrite of hippocampal CA1 pyramidal neurons. Developmental Neurobiology, 2013, 73, 142-151.	3.0	34
32	Decreased Expression of Semaphorin-3A, a Neurite-Collapsing Factor, is Associated With Itch in Psoriatic Skin. Acta Dermato-Venereologica, 2012, 92, 521-528.	1.3	62
33	GSK3Î²/Axin-1/Î²-Catenin Complex Is Involved in Semaphorin3A Signaling. Journal of Neuroscience, 2012, 32, 11905-11918.	3.6	23
34	Phosphorylation of CRMP2 (Collapsin Response Mediator Protein 2) Is Involved in Proper Dendritic Field Organization. Journal of Neuroscience, 2012, 32, 1360-1365.	3.6	88
35	Thioredoxin Mediates Oxidation-Dependent Phosphorylation of CRMP2 and Growth Cone Collapse. Science Signaling, 2011, 4, ra26.	3.6	103
36	Semaphorin3A Signaling Mediated by Fyn-dependent Tyrosine Phosphorylation of Collapsin Response Mediator Protein 2 at Tyrosine 32. Journal of Biological Chemistry, 2009, 284, 27393-27401.	3.4	55

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37	Increased proximal bifurcation of CA1 pyramidal apical dendrites in sema3A mutant mice. Journal of Comparative Neurology, 2009, 516, 360-375.	1.6	47
38	Protein tyrosine phosphatase SHP2 is involved in Semaphorin 4D-induced axon repulsion. Biochemical and Biophysical Research Communications, 2009, 385, 6-10.	2.1	11
39	Regulation of Spine Development by Semaphorin3A through Cyclin-Dependent Kinase 5 Phosphorylation of Collapsin Response Mediator Protein 1. Journal of Neuroscience, 2007, 27, 12546-12554.	3.6	105
40	Regulation of Dendritic Branching and Spine Maturation by Semaphorin3A-Fyn Signaling. Journal of Neuroscience, 2006, 26, 2971-2980.	3.6	150
41	Collapsin Response Mediator Protein 1 Mediates Reelin Signaling in Cortical Neuronal Migration. Journal of Neuroscience, 2006, 26, 13357-13362.	3.6	82
42	Semaphorin3A signalling is mediated via sequential Cdk5 and GSK3Î² phosphorylation of CRMP2: implication of common phosphorylating mechanism underlying axon guidance and Alzheimer's disease. Genes To Cells, 2005, 10, 165-179.	1.2	377
43	Correlation between Semaphorin3A-Induced Facilitation of Axonal Transport and Local Activation of a Translation Initiation Factor Eukaryotic Translation Initiation Factor 4E. Journal of Neuroscience, 2004, 24, 6161-6170.	3.6	69
44	Cdk5/p35 and Rho-kinase mediate ephrin-A5-induced signaling in retinal ganglion cells. Molecular and Cellular Neurosciences, 2003, 24, 632-645.	2.2	43
45	Fyn and Cdk5 Mediate Semaphorin-3A Signaling, Which Is Involved in Regulation of Dendrite Orientation in Cerebral Cortex. Neuron, 2002, 35, 907-920.	8.1	311
46	GAP-43 Augmentation of G Protein-Mediated Signal Transduction Is Regulated by Both Phosphorylation and Palmitoylation. Journal of Neurochemistry, 2002, 70, 983-992.	3.9	20
47	Semaphorins as signals for cell repulsion and invasion. Journal of Clinical Investigation, 2002, 109, 993-998.	8.2	66
48	Molecular basis of semaphorin-mediated axon guidance. Journal of Neurobiology, 2000, 44, 219-229.	3.6	283
49	Semaphorin3a Enhances Endocytosis at Sites of Receptorâ€“F-Actin Colocalization during Growth Cone Collapse. Journal of Cell Biology, 2000, 149, 411-422.	5.2	186
50	Growth cone neuropilin-1 mediates collapsin-1/sema III facilitation of antero- and retrograde axoplasmic transport. Journal of Neurobiology, 1999, 39, 579-589.	3.6	44
51	Plexin-Neuropilin-1 Complexes Form Functional Semaphorin-3A Receptors. Cell, 1999, 99, 59-69.	28.9	757
52	Growth cone neuropilin-1 mediates collapsin-1/sema III facilitation of antero- and retrograde axoplasmic transport. , 1999, 39, 579.		2
53	Semaphorins A and E act as antagonists of neuropilin-1 and agonists of neuropilin-2 receptors. Nature Neuroscience, 1998, 1, 487-493.	14.8	212
54	Neuropilin-1 Extracellular Domains Mediate Semaphorin D/III-Induced Growth Cone Collapse. Neuron, 1998, 21, 1093-1100.	8.1	264

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55	Neuronal and Non-Neuronal Collapsin-1 Binding Sites in Developing Chick Are Distinct from Other Semaphorin Binding Sites. Journal of Neuroscience, 1997, 17, 9183-9193.	3.6	41
56	Collapsin-induced growth cone collapse mediated by an intracellular protein related to UNC-33. Nature, 1995, 376, 509-514.	27.8	675