

Tomohiro Torii

List of Publications by Year in descending order

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55
papers

1,062
citations

393982

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476904

29
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all docs

55
docs citations

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times ranked

1706
citing authors

#	ARTICLE	IF	CITATIONS
1	The adaptor SH2B1 and the phosphatase PTP4A1 regulate the phosphorylation of cytohesin-2 in myelinating Schwann cells in mice. <i>Science Signaling</i> , 2022, 15, eabi5276.	1.6	7
2	Rnd2 differentially regulates oligodendrocyte myelination at different developmental periods. <i>Molecular Biology of the Cell</i> , 2021, 32, 769-787.	0.9	9
3	NuMA1 promotes axon initial segment assembly through inhibition of endocytosis. <i>Journal of Cell Biology</i> , 2020, 219, jcb.201907048.	2.3	22
4	Mapping axon initial segment structure and function by multiplexed proximity biotinylation. <i>Nature Communications</i> , 2020, 11, 100.	5.8	73
5	Expression of kinase-deficient MEK2 ameliorates Pelizaeus-Merzbacher disease phenotypes in mice. <i>Biochemical and Biophysical Research Communications</i> , 2020, 531, 445-451.	1.0	2
6	Rare Neurologic Disease-Associated Mutations of AIMP1 Are Related with Inhibitory Neuronal Differentiation Which Is Reversed by Ibuprofen. <i>Medicines (Basel, Switzerland)</i> , 2020, 7, 25.	0.7	5
7	Data on the effects of Charcot-Marie-Tooth disease type 2N-associated AARS missense mutation (Arg329-to-His) on the cell biological properties. <i>Data in Brief</i> , 2019, 25, 104029.	0.5	4
8	Hypomyelinating leukodystrophy-associated mutation of RARS leads it to the lysosome, inhibiting oligodendroglial morphological differentiation. <i>Biochemistry and Biophysics Reports</i> , 2019, 20, 100705.	0.7	7
9	Cellular Signal-Regulated Schwann Cell Myelination and Remyelination. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1190, 3-22.	0.8	10
10	CMT type 2N disease-associated AARS mutant inhibits neurite growth that can be reversed by valproic acid. <i>Neuroscience Research</i> , 2019, 139, 69-78.	1.0	11
11	BIG1/Arfgef1 and Arf1 regulate the initiation of myelination by Schwann cells in mice. <i>Science Advances</i> , 2018, 4, eaar4471.	4.7	39
12	The promoter region of 46-kDa CNPase is sufficient for its expression in corpus callosum. <i>Molecular Genetics and Metabolism Reports</i> , 2018, 15, 78-79.	0.4	0
13	Treacher Collins syndrome 3 (TCS3)-associated POLR1C mutants are localized in the lysosome and inhibits chondrogenic differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 499, 78-85.	1.0	3
14	Data on the effect of knockout of neruregulin-1 type III on Remak bundle structure. <i>Data in Brief</i> , 2018, 18, 803-807.	0.5	3
15	Data on the effect of hypomyelinating leukodystrophy 6 (HLD6)-associated mutations on the TUBB4A properties. <i>Data in Brief</i> , 2017, 11, 284-289.	0.5	4
16	Data supporting the role of Fyn in embryonic sciatic nerve fasciculation. <i>Data in Brief</i> , 2017, 11, 358-363.	0.5	0
17	Paradoxical gain-of-function mutant of the G-protein-coupled receptor <sc>PROKR</sc>2 promotes early puberty. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2623-2626.	1.6	24
18	Neuregulin-1 type III knockout mice exhibit delayed migration of Schwann cell precursors. <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 506-513.	1.0	16

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19	Data on the effect of in vivo knockdown using artificial ErbB3 miRNA on Remak bundle structure. Data in Brief, 2017, 12, 313-319.	0.5	2
20	Defective myelination in mice harboring hypomyelinating leukodystrophy-associated HSPD1 mutation. Molecular Genetics and Metabolism Reports, 2017, 11, 6-7.	0.4	4
21	VCAM1 acts in parallel with CD69 and is required for the initiation of oligodendrocyte myelination. Nature Communications, 2016, 7, 13478.	5.8	36
22	Dock8 interacts with Nck1 in mediating Schwann cell precursor migration. Biochemistry and Biophysics Reports, 2016, 6, 113-123.	0.7	13
23	Data supporting the role of Fyn in initiating myelination in the peripheral nervous system. Data in Brief, 2016, 7, 1098-1105.	0.5	5
24	Gas6-Tyro3 signaling is required for Schwann cell myelination and possible remyelination. Neural Regeneration Research, 2016, 11, 215.	1.6	4
25	Data supporting Arf6 regulation of Schwann cell differentiation and myelination. Data in Brief, 2015, 5, 388-395.	0.5	2
26	Involvement of the Tyro3 receptor and its intracellular partner Fyn signaling in Schwann cell myelination. Molecular Biology of the Cell, 2015, 26, 3489-3503.	0.9	24
27	Arf6 guanine-nucleotide exchange factor cytohesin-2 regulates myelination in nerves. Biochemical and Biophysical Research Communications, 2015, 460, 819-825.	1.0	12
28	Arf6 mediates Schwann cell differentiation and myelination. Biochemical and Biophysical Research Communications, 2015, 465, 450-457.	1.0	10
29	Determination of major sialylated N-glycans and identification of branched sialylated N-glycans that dynamically change their content during development in the mouse cerebral cortex. Glycoconjugate Journal, 2014, 31, 671-83.	1.4	27
30	Arf6 Guanine Nucleotide Exchange Factor Cytohesin-2 Binds to CCDC120 and Is Transported Along Neurites to Mediate Neurite Growth. Journal of Biological Chemistry, 2014, 289, 33887-33903.	1.6	17
31	Rab35, acting through ACAP2 switching off Arf6, negatively regulates oligodendrocyte differentiation and myelination. Molecular Biology of the Cell, 2014, 25, 1532-1542.	0.9	39
32	Hypomyelinating leukodystrophy-associated missense mutant of FAM126A/hyccin/DRCTNNB1A aggregates in the endoplasmic reticulum. Journal of Clinical Neuroscience, 2014, 21, 1033-1039.	0.8	20
33	In vivo knockdown of ErbB3 in mice inhibits Schwann cell precursor migration. Biochemical and Biophysical Research Communications, 2014, 452, 782-788.	1.0	12
34	<sc>P</sc>elizaesusâ€“<sc>M</sc>erzbacher disease: Cellular pathogenesis and pharmacologic therapy. Pediatrics International, 2014, 56, 659-666.	0.2	40
35	In Vivo Expression of the Arf6 Guanine-Nucleotide Exchange Factor Cytohesin-1 in Mice Exhibits Enhanced Myelin Thickness in Nerves. Journal of Molecular Neuroscience, 2013, 51, 522-531.	1.1	11
36	Signaling through Arf6 guanine-nucleotide exchange factor cytohesin-1 regulates migration in Schwann cells. Cellular Signalling, 2013, 25, 1379-1387.	1.7	12

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37	Akt and PP2A Reciprocally Regulate the Guanine Nucleotide Exchange Factor Dock6 to Control Axon Growth of Sensory Neurons. <i>Science Signaling</i> , 2013, 6, ra15.	1.6	56
38	The Lewis X-related α 1,3-Fucosyltransferase, Fut10, Is Required for the Maintenance of Stem Cell Populations. <i>Journal of Biological Chemistry</i> , 2013, 288, 28859-28868.	1.6	20
39	Phosphorylation of Cytohesin-1 by Fyn Is Required for Initiation of Myelination and the Extent of Myelination During Development. <i>Science Signaling</i> , 2012, 5, ra69.	1.6	46
40	Paxillin is the target of c-Jun N-terminal kinase in Schwann cells and regulates migration. <i>Cellular Signalling</i> , 2012, 24, 2061-2069.	1.7	17
41	Pelizaeusâ€“Merzbacher disease-associated proteolipid protein 1 inhibits oligodendrocyte precursor cell differentiation via extracellular-signal regulated kinase signaling. <i>Biochemical and Biophysical Research Communications</i> , 2012, 424, 262-268.	1.0	10
42	Arf6 guanine-nucleotide exchange factor, cytohesin-2, interacts with actinin-1 to regulate neurite extension. <i>Cellular Signalling</i> , 2012, 24, 1872-1882.	1.7	13
43	Expression of sorting nexin 12 is regulated in developing cerebral cortical neurons. <i>Journal of Neuroscience Research</i> , 2012, 90, 721-731.	1.3	10
44	The polybasic region of cytohesin-2 determines paxillin binding specificity to mediate cell migration. <i>Advances in Biological Chemistry</i> , 2012, 02, 291-300.	0.2	2
45	Knockdown of Dock7 <i>in vivo</i> specifically affects myelination by Schwann cells and increases myelin thickness in sciatic nerves without affecting axon thickness. <i>American Journal of Molecular Biology</i> , 2012, 02, 210-216.	0.1	2
46	Evaluation of drug toxicity with hepatocytes cultured in a micro-space cell culture system. <i>Journal of Bioscience and Bioengineering</i> , 2011, 111, 78-84.	1.1	57
47	Developmental expression of sorting nexin 3 in the mouse central nervous system. <i>Gene Expression Patterns</i> , 2011, 11, 33-40.	0.3	10
48	The Atypical Guanine-Nucleotide Exchange Factor, Dock7, Negatively Regulates Schwann Cell Differentiation and Myelination. <i>Journal of Neuroscience</i> , 2011, 31, 12579-12592.	1.7	40
49	The mood stabilizer valproic acid improves defective neurite formation caused by charcotâ€“marieâ€“tooth diseaseâ€“associated mutant Rab7 through the JNK signaling pathway. <i>Journal of Neuroscience Research</i> , 2010, 88, 3189-3197.	1.3	45
50	Fluoxetine promotes gliogenesis during neural differentiation in mouse embryonic stem cells. <i>Journal of Neuroscience Research</i> , 2010, 88, 3479-3487.	1.3	16
51	Cytohesin-2/ARNO, through Its Interaction with Focal Adhesion Adaptor Protein Paxillin, Regulates Preadipocyte Migration via the Downstream Activation of Arf6. <i>Journal of Biological Chemistry</i> , 2010, 285, 24270-24281.	1.6	53
52	Valproic acid-inducible Arl4D and cytohesin-2/ARNO, acting through the downstream Arf6, regulate neurite outgrowth in N1E-115 cells. <i>Experimental Cell Research</i> , 2009, 315, 2043-2052.	1.2	30
53	Sorting nexin 3, a protein upregulated by lithium, contains a novel phosphatidylinositol-binding sequence and mediates neurite outgrowth in N1E-115 cells. <i>Cellular Signalling</i> , 2009, 21, 1586-1594.	1.7	20
54	Neurofibromatosis 2 tumor suppressor, the gene induced by valproic acid, mediates neurite outgrowth through interaction with paxillin. <i>Experimental Cell Research</i> , 2008, 314, 2279-2288.	1.2	31

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55	Developmental changes in the expression of glycogenes and the content of N-glycans in the mouse cerebral cortex. <i>Glycobiology</i> , 2007, 17, 261-276.	1.3	55