

Tomohiro Torii

List of Publications by Year in descending order

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55
papers

1,062
citations

393982

19
h-index

476904

29
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55
all docs

55
docs citations

55
times ranked

1706
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping axon initial segment structure and function by multiplexed proximity biotinylation. <i>Nature Communications</i> , 2020, 11, 100.	5.8	73
2	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
3	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
4	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
5	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
6	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
7	The mood stabilizer valproic acid improves defective neurite formation caused by charcotâ€šmarieâ€štooth diseaseâ€šassociated mutant Rab7 through the JNK signaling pathway. <i>Journal of Neuroscience Research</i> , 2010, 88, 3189-3197.	1.3	45
8	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
9	<scp>P</scp>elizaeusâ€š<scp>M</scp>erzbacher disease: Cellular pathogenesis and pharmacologic therapy. <i>Pediatrics International</i> , 2014, 56, 659-666.	0.2	40
10	Rab35, acting through ACAP2 switching off Arf6, negatively regulates oligodendrocyte differentiation and myelination. <i>Molecular Biology of the Cell</i> , 2014, 25, 1532-1542.	0.9	39
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	VCAM1 acts in parallel with CD69 and is required for the initiation of oligodendrocyte myelination. <i>Nature Communications</i> , 2016, 7, 13478.	5.8	36
13	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
14	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
15	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. <i>Glycoconjugate Journal</i> , 2014, 31, 671-83.	1.4	27
16	Involvement of the Tyro3 receptor and its intracellular partner Fyn signaling in Schwann cell myelination. <i>Molecular Biology of the Cell</i> , 2015, 26, 3489-3503.	0.9	24
17	Paradoxical gainâ€šofâ€šfunction mutant of the Gâ€šproteinâ€šcoupled receptor <scp>PROKR</scp>2 promotes early puberty. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2623-2626.	1.6	24
18	NuMA1 promotes axon initial segment assembly through inhibition of endocytosis. <i>Journal of Cell Biology</i> , 2020, 219, jcb.201907048.	2.3	22

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19	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
20	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
21	Hypomyelinating leukodystrophy-associated missense mutant of FAM126A/hyccin/DRCTNNB1A aggregates in the endoplasmic reticulum. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 1033-1039.	0.8	20
22	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
23	Arf6 Guanine Nucleotide Exchange Factor Cytohesin-2 Binds to CCDC120 and Is Transported Along Neurites to Mediate Neurite Growth. <i>Journal of Biological Chemistry</i> , 2014, 289, 33887-33903.	1.6	17
24	Fluoxetine promotes gliogenesis during neural differentiation in mouse embryonic stem cells. <i>Journal of Neuroscience Research</i> , 2010, 88, 3479-3487.	1.3	16
25	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
26	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
27	Dock8 interacts with Nck1 in mediating Schwann cell precursor migration. <i>Biochemistry and Biophysics Reports</i> , 2016, 6, 113-123.	0.7	13
28	Signaling through Arf6 guanine-nucleotide exchange factor cytohesin-1 regulates migration in Schwann cells. <i>Cellular Signalling</i> , 2013, 25, 1379-1387.	1.7	12
29	In vivo knockdown of ErbB3 in mice inhibits Schwann cell precursor migration. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 782-788.	1.0	12
30	Arf6 guanine-nucleotide exchange factor cytohesin-2 regulates myelination in nerves. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 819-825.	1.0	12
31	In Vivo Expression of the Arf6 Guanine-Nucleotide Exchange Factor Cytohesin-1 in Mice Exhibits Enhanced Myelin Thickness in Nerves. <i>Journal of Molecular Neuroscience</i> , 2013, 51, 522-531.	1.1	11
32	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
33	Developmental expression of sorting nexin 3 in the mouse central nervous system. <i>Gene Expression Patterns</i> , 2011, 11, 33-40.	0.3	10
34	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
35	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
36	Arf6 mediates Schwann cell differentiation and myelination. <i>Biochemical and Biophysical Research Communications</i> , 2015, 465, 450-457.	1.0	10

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37	Cellular Signal-Regulated Schwann Cell Myelination and Remyelination. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1190, 3-22.	0.8	10
38	Rnd2 differentially regulates oligodendrocyte myelination at different developmental periods. <i>Molecular Biology of the Cell</i> , 2021, 32, 769-787.	0.9	9
39	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
40	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
41	Data supporting the role of Fyn in initiating myelination in the peripheral nervous system. <i>Data in Brief</i> , 2016, 7, 1098-1105.	0.5	5
42	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
43	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
44	Defective myelination in mice harboring hypomyelinating leukodystrophy-associated HSPD1 mutation. <i>Molecular Genetics and Metabolism Reports</i> , 2017, 11, 6-7.	0.4	4
45	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
46	Gas6-Tyro3 signaling is required for Schwann cell myelination and possible remyelination. <i>Neural Regeneration Research</i> , 2016, 11, 215.	1.6	4
47	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
48	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
49	Data supporting Arf6 regulation of Schwann cell differentiation and myelination. <i>Data in Brief</i> , 2015, 5, 388-395.	0.5	2
50	Data on the effect of in vivo knockdown using artificial ErbB3 miRNA on Remak bundle structure. <i>Data in Brief</i> , 2017, 12, 313-319.	0.5	2
51	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
52	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
53	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
54	Data supporting the role of Fyn in embryonic sciatic nerve fasciculation. <i>Data in Brief</i> , 2017, 11, 358-363.	0.5	0

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55	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