

Toshihide Yamashita

List of Publications by Year in descending order

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Version: 2024-02-01

239
papers

10,549
citations

34016

52
h-index

45213

90
g-index

247
all docs

247
docs citations

247
times ranked

12516
citing authors

#	ARTICLE	IF	CITATIONS
1	Synaptic and Genetic Bases of Impaired Motor Learning Associated with Modified Experience-Dependent Cortical Plasticity in Heterozygous <i>Reeler</i> Mutants. <i>Cerebral Cortex</i> , 2022, 32, 504-519.	1.6	1
2	Complement cascade functions during brain development and neurodegeneration. <i>FEBS Journal</i> , 2022, 289, 2085-2109.	2.2	19
3	RGMA Signal in Macrophages Induces Neutrophil-Related Astrocytopathy in NMO. <i>Annals of Neurology</i> , 2022, 91, 532-547.	2.8	7
4	Editorial: Genes and Aging: From Bench-to-Bedside. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 886967.	1.7	0
5	Origin of Multisynaptic Corticospinal Pathway to Forelimb Segments in Macaques and Its Reorganization After Spinal Cord Injury. <i>Frontiers in Neural Circuits</i> , 2022, 16, 847100.	1.4	3
6	Intravital Imaging Reveals the Ameliorating Effect of Colchicine in a Photothrombotic Stroke Model via Inhibition of Neutrophil Recruitment. <i>Translational Stroke Research</i> , 2022, , .	2.3	0
7	Single-nucleus RNA sequencing identified cells with ependymal cell-like features enriched in neonatal mice after spinal cord injury. <i>Neuroscience Research</i> , 2022, 181, 22-38.	1.0	2
8	Neuroplasticity related to chronic pain and its modulation by microglia. <i>Inflammation and Regeneration</i> , 2022, 42, 15.	1.5	26
9	ATP spreads inflammation to other limbs through crosstalk between sensory neurons and interneurons. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	11
10	Anti-repulsive guidance molecule: An antibody treatment in spinal cord injury. , 2022, , 347-357.		0
11	Neural circuit repair after central nervous system injury. <i>International Immunology</i> , 2021, 33, 301-309.	1.8	8
12	Mechanisms and significance of microglia-axon interactions in physiological and pathophysiological conditions. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 3907-3919.	2.4	7
13	Neuroprotective function of microglia in the developing brain. <i>Neuronal Signaling</i> , 2021, 5, NS20200024.	1.7	17
14	Inhibition of repulsive guidance molecule-a protects dopaminergic neurons in a mouse model of Parkinson's disease. <i>Cell Death and Disease</i> , 2021, 12, 181.	2.7	17
15	Age-dependent decline in remyelination capacity is mediated by apelin-APJ signaling. <i>Nature Aging</i> , 2021, 1, 284-294.	5.3	18
16	Increased expression of Netrin-4 is associated with allodynia in a trigeminal neuropathic pain model rats by infraorbital nerve injury. <i>PLoS ONE</i> , 2021, 16, e0251013.	1.1	6
17	Arid5a Promotes Immune Evasion by Augmenting Tryptophan Metabolism and Chemokine Expression. <i>Cancer Immunology Research</i> , 2021, 9, 862-876.	1.6	15
18	Protocol for mouse adult neural stem cell isolation and culture. <i>STAR Protocols</i> , 2021, 2, 100522.	0.5	17

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19	An enhanced therapeutic effect of repetitive transcranial magnetic stimulation combined with antibody treatment in a primate model of spinal cord injury. <i>PLoS ONE</i> , 2021, 16, e0252023.	1.1	3
20	Interleukin-17A regulates ependymal cell proliferation and functional recovery after spinal cord injury in mice. <i>Cell Death and Disease</i> , 2021, 12, 766.	2.7	11
21	Function of Lymphocytes in Oligodendrocyte Development. <i>Neuroscientist</i> , 2020, 26, 74-86.	2.6	4
22	Proteomic analysis of protein changes in plasma by balloon test occlusion. <i>Journal of Clinical Neuroscience</i> , 2020, 72, 397-401.	0.8	2
23	Microglia as therapeutic target in central nervous system disorders. <i>Journal of Pharmacological Sciences</i> , 2020, 144, 102-118.	1.1	19
24	Peroxisome Deficiency Impairs BDNF Signaling and Memory. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 567017.	1.8	7
25	Repulsive Guidance Molecule A Regulates Adult Neurogenesis Via the Neogenin Receptor. <i>Neuroscience Insights</i> , 2020, 15, 263310552094848.	0.9	3
26	Inhibition of HDAC increases BDNF expression and promotes neuronal rewiring and functional recovery after brain injury. <i>Cell Death and Disease</i> , 2020, 11, 655.	2.7	30
27	Proton-sensing receptor GPR132 facilitates migration of astrocytes. <i>Neuroscience Research</i> , 2020, 170, 106-113.	1.0	0
28	Protocol for Co-culture of Microglia with Axons. <i>STAR Protocols</i> , 2020, 1, 100111.	0.5	3
29	Netrin-G1 Regulates Microglial Accumulation along Axons and Supports the Survival of Layer V Neurons in the Postnatal Mouse Brain. <i>Cell Reports</i> , 2020, 31, 107580.	2.9	28
30	Recent insights into peroxisome biogenesis and associated diseases. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	41
31	Repulsive Guidance Molecule A Suppresses Adult Neurogenesis. <i>Stem Cell Reports</i> , 2020, 14, 677-691.	2.3	13
32	Immunotherapies in Huntington's disease and α -Synucleinopathies. <i>Frontiers in Immunology</i> , 2020, 11, 337.	2.2	23
33	A peroxisome deficiency-induced reductive cytosol state up-regulates the brain-derived neurotrophic factor pathway. <i>Journal of Biological Chemistry</i> , 2020, 295, 5321-5334.	1.6	12
34	Neurons promote encephalitogenic CD4+ lymphocyte infiltration in experimental autoimmune encephalomyelitis. <i>Scientific Reports</i> , 2020, 10, 7354.	1.6	7
35	Alterations in Chromatin Structure and Function in the Microglia. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 626541.	1.8	7
36	Microglial depletion under thalamic hemorrhage ameliorates mechanical allodynia and suppresses aberrant axonal sprouting. <i>JCI Insight</i> , 2020, 5, .	2.3	20

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37	B lymphocytes: Crucial contributors to brain development and neurological diseases. <i>Neuroscience Research</i> , 2019, 139, 37-41.	1.0	12
38	Increased Expression of Fibronectin Leucine-Rich Transmembrane Protein 3 in the Dorsal Root Ganglion Induces Neuropathic Pain in Rats. <i>Journal of Neuroscience</i> , 2019, 39, 7615-7627.	1.7	11
39	Roles of Effector T Cells in Neurological Autoimmunity. , 2019, , 63-81.		0
40	Comparison of gene expression profile of the spinal cord of sprouting-capable neonatal and sprouting-incapable adult mice. <i>BMC Genomics</i> , 2019, 20, 619.	1.2	9
41	The Effects of Leptin on Glial Cells in Neurological Diseases. <i>Frontiers in Neuroscience</i> , 2019, 13, 828.	1.4	33
42	Neuropilin-1-mediated pruning of corticospinal tract fibers is required for motor recovery after spinal cord injury. <i>Cell Death and Disease</i> , 2019, 10, 67.	2.7	26
43	Anti-repulsive guidance molecule-a antibody treatment and repetitive transcranial magnetic stimulation have synergistic effects on motor recovery after spinal cord injury. <i>Neuroscience Letters</i> , 2019, 709, 134329.	1.0	5
44	Microglia suppress the secondary progression of autoimmune encephalomyelitis. <i>Glia</i> , 2019, 67, 1694-1704.	2.5	38
45	Myeloid-Derived Suppressor Cells Infiltrate the Brain and Suppress Neuroinflammation in a Mouse Model of Focal Traumatic Brain Injury. <i>Neuroscience</i> , 2019, 406, 457-466.	1.1	17
46	Mechanism of neuroaxonal degeneration: from molecular signaling to therapeutic applications. <i>Neuroscience Research</i> , 2019, 139, 1-2.	1.0	0
47	Neogenin is a Determining Factor for Regenerating Neurons Following Spinal Cord Injury. <i>Neuroscience</i> , 2019, 408, 448-449.	1.1	6
48	Treatment With the Neutralizing Antibody Against Repulsive Guidance Molecule-a Promotes Recovery From Impaired Manual Dexterity in a Primate Model of Spinal Cord Injury. <i>Cerebral Cortex</i> , 2019, 29, 561-572.	1.6	39
49	Circulating transforming growth factor- β 21 facilitates remyelination in the adult central nervous system. <i>ELife</i> , 2019, 8, .	2.8	44
50	Development of Drug that Facilitates Neuronal Rewiring in the Central Nervous System. <i>The Japanese Journal of Rehabilitation Medicine</i> , 2019, 56, 702-705.	0.0	0
51	The Soluble Form of LOTUS inhibits Nogo Receptor-Mediated Signaling by Interfering with the Interaction Between Nogo Receptor Type 1 and p75 Neurotrophin Receptor. <i>Journal of Neuroscience</i> , 2018, 38, 2589-2604.	1.7	18
52	B-1a lymphocytes promote oligodendrogenesis during brain development. <i>Nature Neuroscience</i> , 2018, 21, 506-516.	7.1	62
53	Extracellular Lactate Dehydrogenase A Release From Damaged Neurons Drives Central Nervous System Angiogenesis. <i>EBioMedicine</i> , 2018, 27, 71-85.	2.7	26
54	Inhibition of RGMa alleviates symptoms in a rat model of neuromyelitis optica. <i>Scientific Reports</i> , 2018, 8, 34.	1.6	17

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55	Class I histone deacetylase (HDAC) inhibitor CI-994 promotes functional recovery following spinal cord injury. <i>Cell Death and Disease</i> , 2018, 9, 460.	2.7	38
56	Developmental abnormality contributes to cortex-dependent motor impairments and higher intracortical current requirement in the reeler homozygous mutants. <i>Brain Structure and Function</i> , 2018, 223, 2575-2587.	1.2	5
57	An Image-Based miRNA Screen Identifies miRNA-135s As Regulators of CNS Axon Growth and Regeneration by Targeting KrÄppel-like Factor 4. <i>Journal of Neuroscience</i> , 2018, 38, 613-630.	1.7	45
58	Spatial organization of genome architecture in neuronal development and disease. <i>Neurochemistry International</i> , 2018, 119, 49-56.	1.9	13
59	Macrophage P2X4 receptors augment bacterial killing and protect against sepsis. <i>JCI Insight</i> , 2018, 3, .	2.3	82
60	Inflammatory projections after focal brain injury trigger neuronal network disruption: An 18F-DPA714 PET study in mice. <i>NeuroImage: Clinical</i> , 2018, 20, 946-954.	1.4	12
61	Methylation dependent down-regulation of GOS2 leads to suppression of invasion and improved prognosis of IDH1-mutant glioma. <i>PLoS ONE</i> , 2018, 13, e0206552.	1.1	8
62	Sirtuins in Neuroendocrine Regulation and Neurological Diseases. <i>Frontiers in Neuroscience</i> , 2018, 12, 778.	1.4	78
63	Inhibiting repulsive guidance molecule-a suppresses secondary progression in mouse models of multiple sclerosis. <i>Cell Death and Disease</i> , 2018, 9, 1061.	2.7	34
64	Myotube-derived factor promotes oligodendrocyte precursor cell proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 609-613.	1.0	3
65	The role of immune cells in brain development and neurodevelopmental diseases. <i>International Immunology</i> , 2018, 30, 437-444.	1.8	48
66	Peroxisome biogenesis deficiency attenuates the BDNF-TrkB pathway-mediated development of the cerebellum. <i>Life Science Alliance</i> , 2018, 1, e201800062.	1.3	19
67	The circulating TGF-beta contributes to the remyelination in CNS. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO4-1-97.	0.0	0
68	Leptin sustains spontaneous remyelination in the adult central nervous system. <i>Scientific Reports</i> , 2017, 7, 40397.	1.6	14
69	Decreased cohesin in the brain leads to defective synapse development and anxiety-related behavior. <i>Journal of Experimental Medicine</i> , 2017, 214, 1431-1452.	4.2	44
70	Unconventional role of voltage-gated proton channels (<sc>VSOP</sc>/Hv1) in regulation of microglial <sc>ROS</sc> production. <i>Journal of Neurochemistry</i> , 2017, 142, 686-699.	2.1	25
71	RGMs: Structural Insights, Molecular Regulation, and Downstream Signaling. <i>Trends in Cell Biology</i> , 2017, 27, 365-378.	3.6	83
72	Cardiomyocyte-released factors stimulate oligodendrocyte precursor cells proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 1160-1164.	1.0	7

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73	Loss of p73 in ependymal cells during the perinatal period leads to aqueductal stenosis. <i>Scientific Reports</i> , 2017, 7, 12007.	1.6	17
74	The RNA-binding protein MARF1 promotes cortical neurogenesis through its RNase activity domain. <i>Scientific Reports</i> , 2017, 7, 1155.	1.6	11
75	The roles of RGMA-neogenin signaling in inflammation and angiogenesis. <i>Inflammation and Regeneration</i> , 2017, 37, 6.	1.5	22
76	Peripherally derived FGF21 promotes remyelination in the central nervous system. <i>Journal of Clinical Investigation</i> , 2017, 127, 3496-3509.	3.9	77
77	NME2 associates with PTP1b to transduce signals from chondroitin sulfate proteoglycans. <i>Biochemical and Biophysical Research Communications</i> , 2016, 471, 522-527.	1.0	3
78	Dorsal horn interneuron-derived Netrin-4 contributes to spinal sensitization in chronic pain via Unc5B. <i>Journal of Experimental Medicine</i> , 2016, 213, 2949-2966.	4.2	12
79	The P2X4 receptor is required for neuroprotection via ischemic preconditioning. <i>Scientific Reports</i> , 2016, 6, 25893.	1.6	37
80	Repulsive guidance molecule A suppresses angiogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2016, 469, 993-999.	1.0	13
81	Microglia in central nervous system repair after injury. <i>Journal of Biochemistry</i> , 2016, 159, 491-496.	0.9	136
82	Reorganization of corticospinal tract fibers after spinal cord injury in adult macaques. <i>Scientific Reports</i> , 2015, 5, 11986.	1.6	28
83	The First Nationwide Survey and Genetic Analyses of Bardet-Biedl Syndrome in Japan. <i>PLoS ONE</i> , 2015, 10, e0136317.	1.1	16
84	Acetylation of NDPK-D Regulates Its Subcellular Localization and Cell Survival. <i>PLoS ONE</i> , 2015, 10, e0139616.	1.1	20
85	Lrig2 Negatively Regulates Ectodomain Shedding of Axon Guidance Receptors by ADAM Proteases. <i>Developmental Cell</i> , 2015, 35, 537-552.	3.1	46
86	Prostacyclin Prevents Pericyte Loss and Demyelination Induced by Lysophosphatidylcholine in the Central Nervous System. <i>Journal of Biological Chemistry</i> , 2015, 290, 11515-11525.	1.6	50
87	Thromboxane A2 stimulates neurite outgrowth in cerebral cortical neurons via mitogen activated protein kinase signaling. <i>Brain Research</i> , 2015, 1594, 46-51.	1.1	15
88	The Brain's Immune Network in Spinal Cord Injury. , 2015, , 41-66.		1
89	A pain-mediated neural signal induces relapse in murine autoimmune encephalomyelitis, a multiple sclerosis model. <i>ELife</i> , 2015, 4, .	2.8	57
90	Down-Regulation of KCC2 Expression and Phosphorylation in Motoneurons, and Increases the Number of in Primary Afferent Projections to Motoneurons in Mice with Post-Stroke Spasticity. <i>PLoS ONE</i> , 2014, 9, e114328.	1.1	35

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91	A selector orchestrates cortical function. <i>Nature Neuroscience</i> , 2014, 17, 1016-1017.	7.1	0
92	Repulsive Guidance Molecule-a Is Involved in Th17-Cell-Induced Neurodegeneration in Autoimmune Encephalomyelitis. <i>Cell Reports</i> , 2014, 9, 1459-1470.	2.9	43
93	Netrin-4 regulates thalamocortical axon branching in an activity-dependent fashion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15226-15231.	3.3	37
94	Concept and molecular basis of axonal regeneration after central nervous system injury. <i>Neuroscience Research</i> , 2014, 78, 45-49.	1.0	9
95	Bidirectional tuning of microglia in the developing brain: from neurogenesis to neural circuit formation. <i>Current Opinion in Neurobiology</i> , 2014, 27, 8-15.	2.0	43
96	Role of DAPK in neuronal cell death. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2014, 19, 339-345.	2.2	33
97	Pericyte function in the physiological central nervous system. <i>Neuroscience Research</i> , 2014, 81-82, 38-41.	1.0	14
98	Involvement of Wnt/ β -catenin signaling in the development of neuropathic pain. <i>Neuroscience Research</i> , 2014, 79, 34-40.	1.0	53
99	Vascular endothelial cells promote cortical neurite outgrowth via an integrin β 3-dependent mechanism. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 593-597.	1.0	4
100	Ecto-domain phosphorylation promotes functional recovery from spinal cord injury. <i>Scientific Reports</i> , 2014, 4, 4972.	1.6	7
101	Axon growth inhibition by RhoA/ROCK in the central nervous system. <i>Frontiers in Neuroscience</i> , 2014, 8, 338.	1.4	201
102	The newly identified migration inhibitory protein regulates the radial migration in the developing neocortex. <i>Scientific Reports</i> , 2014, 4, 5984.	1.6	8
103	Microglia. , 2014, , 175-187.		0
104	Improvement in protocol to generate homogeneous glutamatergic neurons from mouse embryonic stem cells reduced apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 604-609.	1.0	2
105	Layer V cortical neurons require microglial support for survival during postnatal development. <i>Nature Neuroscience</i> , 2013, 16, 543-551.	7.1	608
106	Repulsive guidance molecule a regulates hippocampal mossy fiber branching in vitro. <i>NeuroReport</i> , 2013, 24, 609-615.	0.6	16
107	Soluble β -amyloid Precursor Protein Alpha Binds to p75 Neurotrophin Receptor to Promote Neurite Outgrowth. <i>PLoS ONE</i> , 2013, 8, e82321.	1.1	42
108	Sigma-1 Receptor Enhances Neurite Elongation of Cerebellar Granule Neurons via TrkB Signaling. <i>PLoS ONE</i> , 2013, 8, e75760.	1.1	43

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109	Intraspinal rewiring of the corticospinal tract requires target-derived brain-derived neurotrophic factor and compensates lost function after brain injury. <i>Brain</i> , 2012, 135, 1253-1267.	3.7	101
110	Chondroitin Sulfate Proteoglycans Down-regulate Spine Formation in Cortical Neurons by Targeting Tropomyosin-related Kinase B (TrkB) Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 13822-13828.	1.6	37
111	Glucocorticoid Suppresses Dendritic Spine Development Mediated by Down-Regulation of Caldesmon Expression. <i>Journal of Neuroscience</i> , 2012, 32, 14583-14591.	1.7	30
112	Angiogenesis induced by CNS inflammation promotes neuronal remodeling through vessel-derived prostacyclin. <i>Nature Medicine</i> , 2012, 18, 1658-1664.	15.2	99
113	Characterizing the neurite outgrowth inhibitory effect of Mani. <i>FEBS Letters</i> , 2012, 586, 3018-3023.	1.3	5
114	Repulsive Guidance Molecule-a and Demyelination: Implications for Multiple Sclerosis. <i>Journal of NeuroImmune Pharmacology</i> , 2012, 7, 524-528.	2.1	16
115	Identification of the Neogenin-Binding Site on the Repulsive Guidance Molecule A. <i>PLoS ONE</i> , 2012, 7, e32791.	1.1	13
116	Temporal Changes in Cell Marker Expression and Cellular Infiltration in a Controlled Cortical Impact Model in Adult Male C57BL/6 Mice. <i>PLoS ONE</i> , 2012, 7, e41892.	1.1	175
117	RhoA Activation and Effect of Rho-kinase Inhibitor in the Development of Retinal Neovascularization in a Mouse Model of Oxygen-induced Retinopathy. <i>Current Eye Research</i> , 2011, 36, 1028-1036.	0.7	10
118	Axotomy induces axonogenesis in hippocampal neurons by a mechanism dependent on importin β . <i>Biochemical and Biophysical Research Communications</i> , 2011, 405, 697-702.	1.0	10
119	Corticospinal tract fibers cross the ephrin-B3-negative part of the midline of the spinal cord after brain injury. <i>Neuroscience Research</i> , 2011, 69, 187-195.	1.0	25
120	TACE cleaves neogenin to desensitize cortical neurons to the repulsive guidance molecule. <i>Neuroscience Research</i> , 2011, 71, 63-70.	1.0	30
121	C-Jun N-terminal kinase induces axonal degeneration and limits motor recovery after spinal cord injury in mice. <i>Neuroscience Research</i> , 2011, 71, 266-277.	1.0	28
122	Kinematic analyses reveal impaired locomotion following injury of the motor cortex in mice. <i>Experimental Neurology</i> , 2011, 230, 280-290.	2.0	27
123	Activated Microglia Inhibit Axonal Growth through RGMA. <i>PLoS ONE</i> , 2011, 6, e25234.	1.1	96
124	RGMA modulates T cell responses and is involved in autoimmune encephalomyelitis. <i>Nature Medicine</i> , 2011, 17, 488-494.	15.2	100
125	Myelin suppresses axon regeneration by PIR-B/SHP-mediated inhibition of Trk activity. <i>EMBO Journal</i> , 2011, 30, 1389-1401.	3.5	66
126	miR-124a is required for hippocampal axogenesis and retinal cone survival through Lhx2 suppression. <i>Nature Neuroscience</i> , 2011, 14, 1125-1134.	7.1	252

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127	Neogenin, a Receptor for Bone Morphogenetic Proteins. <i>Journal of Biological Chemistry</i> , 2011, 286, 5157-5165.	1.6	73
128	Abnormal Cystatin C Levels in Two Patients with Bardet-Biedl Syndrome. <i>Clinical Medicine Insights: Case Reports</i> , 2011, 4, CCRRep.S6622.	0.3	3
129	Keratan Sulfate Restricts Neural Plasticity after Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2011, 31, 17091-17102.	1.7	85
130	Paired Immunoglobulin-like Receptor B Knockout Does Not Enhance Axonal Regeneration or Locomotor Recovery after Spinal Cord Injury. <i>Journal of Biological Chemistry</i> , 2011, 286, 1876-1883.	1.6	61
131	FLRT2 and FLRT3 act as repulsive guidance cues for Unc5-positive neurons. <i>EMBO Journal</i> , 2011, 30, 2920-2933.	3.5	135
132	Limited functional recovery in rats with complete spinal cord injury after transplantation of whole-layer olfactory mucosa. <i>Journal of Neurosurgery: Spine</i> , 2010, 12, 122-130.	0.9	37
133	N-Acetylglucosamine 6-O-Sulfotransferase-1-Deficient Mice Show Better Functional Recovery after Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2010, 30, 5937-5947.	1.7	70
134	Genetic Deletion of Paired Immunoglobulin-Like Receptor B Does Not Promote Axonal Plasticity or Functional Recovery after Traumatic Brain Injury. <i>Journal of Neuroscience</i> , 2010, 30, 13045-13052.	1.7	56
135	Expression of galectin-1 in immune cells and glial cells after spinal cord injury. <i>Neuroscience Research</i> , 2010, 66, 265-270.	1.0	26
136	Th1 cells promote neurite outgrowth from cortical neurons via a mechanism dependent on semaphorins. <i>Biochemical and Biophysical Research Communications</i> , 2010, 402, 168-172.	1.0	15
137	Olfactory Mucosal Transplantation After Spinal Cord Injury Improves Voiding Efficiency by Suppressing Detrusor-Sphincter Dyssynergia in Rats. <i>Journal of Urology</i> , 2010, 184, 775-782.	0.2	5
138	Reduction of Brain β -Amyloid ($A\beta$) by Fluvastatin, a Hydroxymethylglutaryl-CoA Reductase Inhibitor, through Increase in Degradation of Amyloid Precursor Protein C-terminal Fragments (APP-CTFs) and $A\beta$ Clearance. <i>Journal of Biological Chemistry</i> , 2010, 285, 22091-22102.	1.6	95
139	Inactivation of Ras by p120GAP via Focal Adhesion Kinase Dephosphorylation Mediates RGMa-Induced Growth Cone Collapse. <i>Journal of Neuroscience</i> , 2009, 29, 6649-6662.	1.7	41
140	Wnt-Ryk Signaling Mediates Axon Growth Inhibition and Limits Functional Recovery after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2009, 26, 955-964.	1.7	74
141	Unc5B associates with LARG to mediate the action of repulsive guidance molecule. <i>Journal of Cell Biology</i> , 2009, 184, 737-750.	2.3	81
142	TNF- α contributes to axonal sprouting and functional recovery following traumatic brain injury. <i>Brain Research</i> , 2009, 1290, 102-110.	1.1	53
143	Treatment of rat spinal cord injury with a Rho-kinase inhibitor and bone marrow stromal cell transplantation. <i>Brain Research</i> , 2009, 1295, 192-202.	1.1	34
144	Chronic inflammatory demyelinating polyneuropathy sera inhibit axonal growth of mouse dorsal root ganglion neurons by activation of rho-kinase. <i>Annals of Neurology</i> , 2009, 66, 694-697.	2.8	8

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145	Zyxin is a novel interacting partner for SIRT1. <i>BMC Cell Biology</i> , 2009, 10, 6.	3.0	29
146	Repulsive guidance molecule b inhibits neurite growth and is increased after spinal cord injury. <i>Biochemical and Biophysical Research Communications</i> , 2009, 382, 795-800.	1.0	26
147	Endothelin promotes neurite elongation by a mechanism dependent on c-Jun N-terminal kinase. <i>Biochemical and Biophysical Research Communications</i> , 2009, 383, 509-512.	1.0	7
148	Inhibition of TGF- β 1 promotes functional recovery after spinal cord injury. <i>Neuroscience Research</i> , 2009, 65, 393-401.	1.0	56
149	Engulfment of Axon Debris by Microglia Requires p38 MAPK Activity. <i>Journal of Biological Chemistry</i> , 2009, 284, 21626-21636.	1.6	76
150	Nerve Growth Factor of Cultured Medium Extracted From Human Degenerative Nucleus Pulposus Promotes Sensory Nerve Growth and Induces Substance P In Vitro. <i>Spine</i> , 2009, 34, 2263-2269.	1.0	48
151	Transfection of Rat Cells With Proopiomelanocortin Gene, Precursor of Endogenous Endorphin, Using Radial Shock Waves Suppresses Inflammatory Pain. <i>Spine</i> , 2009, 34, 2270-2277.	1.0	9
152	Endothelins derived from vascular endothelial cells promote cortical neurite elongation. <i>FASEB Journal</i> , 2009, 23, 524.5.	0.2	0
153	A new signaling pathway that is involved in the BMP signaling. <i>FASEB Journal</i> , 2009, 23, 530.3.	0.2	0
154	TACE-induced cleavage of Neogenin disinhibits CNS axon/neurite growth by RGM in rat primary cortical neuron. <i>FASEB Journal</i> , 2009, 23, 523.3.	0.2	0
155	Intrinsic regenerative mechanisms of central nervous system neurons. <i>BioScience Trends</i> , 2009, 3, 179-83.	1.1	24
156	Differential Regulation of Adenine Nucleotide Translocators by Hypertonicity in the Brain. <i>Journal of Neurochemistry</i> , 2008, 72, 1259-1265.	2.1	3
157	Neuroprotective Role of Na ⁺ /myo-Inositol Cotransporter Against Veratridine Cytotoxicity. <i>Journal of Neurochemistry</i> , 2008, 72, 1864-1870.	2.1	7
158	The p75 receptor is associated with inflammatory thermal hypersensitivity. <i>Journal of Neuroscience Research</i> , 2008, 86, 3566-3574.	1.3	35
159	Myosin IIA is required for neurite outgrowth inhibition produced by repulsive guidance molecule. <i>Journal of Neurochemistry</i> , 2008, 105, 113-126.	2.1	61
160	BMP inhibition enhances axonal growth and functional recovery after spinal cord injury. <i>Journal of Neurochemistry</i> , 2008, 105, 1471-1479.	2.1	86
161	LIM-only protein 4 interacts directly with the repulsive guidance molecule A receptor Neogenin. <i>Journal of Neurochemistry</i> , 2008, 107, 418-431.	2.1	26
162	Temperature dependence of the flexural rigidity of single microtubules. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 637-642.	1.0	31

#	ARTICLE	IF	CITATIONS
163	Peptides derived from repulsive guidance molecule act as antagonists. <i>Biochemical and Biophysical Research Communications</i> , 2008, 371, 501-504.	1.0	2
164	Inhibition of branching and spine maturation by repulsive guidance molecule in cultured cortical neurons. <i>Biochemical and Biophysical Research Communications</i> , 2008, 372, 725-729.	1.0	30
165	Regulation of Axonal Elongation and Pathfinding from the Entorhinal Cortex to the Dentate Gyrus in the Hippocampus by the Chemokine Stromal Cell-Derived Factor 1 α . <i>Journal of Neuroscience</i> , 2008, 28, 8344-8353.	1.7	26
166	Role of RhoA in Activity-Dependent Cortical Axon Branching. <i>Journal of Neuroscience</i> , 2008, 28, 9117-9121.	1.7	34
167	Inhibition of a eukaryotic initiation factor (<i>eIF2Bβ</i> ,/F11A3.2) during adulthood extends lifespan in <i>Caenorhabditis elegans</i> . <i>FASEB Journal</i> , 2008, 22, 4327-4337.	0.2	33
168	The therapeutic effects of Rho-ROCK inhibitors on CNS disorders. <i>Therapeutics and Clinical Risk Management</i> , 2008, Volume 4, 605-615.	0.9	103
169	Strategies for regenerating injured axons after spinal cord injury – insights from brain development. <i>Biologics: Targets and Therapy</i> , 2008, 2, 253.	3.0	13
170	Rho-ROCK Inhibitors as Emerging Strategies to Promote Nerve Regeneration. <i>Current Pharmaceutical Design</i> , 2007, 13, 2493-2499.	0.9	98
171	Inhibition of Rho/Rho-Kinase as Therapeutic Strategy to Promote CNS Axonal Regeneration. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2007, 7, 241-250.	0.5	2
172	Rho-ROCK Inhibitors for the Treatment of CNS Injury. <i>Recent Patents on CNS Drug Discovery</i> , 2007, 2, 173-179.	0.9	44
173	Rho Kinase Inhibitor Improves Motor Dysfunction and Hypoalgesia in a Rat Model of Lumbar Spinal Canal Stenosis. <i>Spine</i> , 2007, 32, 2070-2075.	1.0	20
174	BMP inhibits neurite growth by a mechanism dependent on LIM-kinase. <i>Biochemical and Biophysical Research Communications</i> , 2007, 360, 868-873.	1.0	18
175	Repulsion of cerebellar granule neurons by chondroitin sulfate proteoglycans is mediated by MAPK pathway. <i>Neuroscience Letters</i> , 2007, 423, 62-67.	1.0	16
176	Synapse formation of the cortico-spinal axons is enhanced by RGMA inhibition after spinal cord injury. <i>Brain Research</i> , 2007, 1186, 74-86.	1.1	40
177	Neogenin and repulsive guidance molecule signaling in the central nervous system. <i>Current Opinion in Neurobiology</i> , 2007, 17, 29-34.	2.0	62
178	Delayed treatment with Rho-kinase inhibitor does not enhance axonal regeneration or functional recovery after spinal cord injury in rats. <i>Experimental Neurology</i> , 2006, 200, 392-397.	2.0	41
179	Induction of repulsive guidance molecule in neurons following sciatic nerve injury. <i>Journal of Chemical Neuroanatomy</i> , 2006, 32, 74-77.	1.0	12
180	Rho-kinase inhibition enhances axonal regeneration after peripheral nerve injury. <i>Journal of the Peripheral Nervous System</i> , 2006, 11, 217-224.	1.4	65

#	ARTICLE	IF	CITATIONS
181	Adenoviral gene transfer in the peripheral nervous system. <i>Journal of Orthopaedic Science</i> , 2006, 11, 64-69.	0.5	18
182	Progressive hearing loss in mice carrying a mutation in the p75 gene. <i>Brain Research</i> , 2006, 1091, 224-234.	1.1	28
183	Role of Clast1 in development of cerebellar granule cells. <i>Brain Research</i> , 2006, 1104, 18-26.	1.1	14
184	Myelin-associated Glycoprotein Inhibits Microtubule Assembly by a Rho-kinase-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 2006, 281, 15970-15979.	1.6	131
185	The role of repulsive guidance molecules in the embryonic and adult vertebrate central nervous system. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006, 361, 1513-1529.	1.8	43
186	RGMa inhibition promotes axonal growth and recovery after spinal cord injury. <i>Journal of Cell Biology</i> , 2006, 173, 47-58.	2.3	257
187	Extracellular Signal-Regulated Kinase Mitogen-Activated Protein Kinase Activation in the Dorsal Root Ganglion (DRG) and Spinal Cord After DRG Injury in Rats. <i>Spine</i> , 2005, 30, 2252-2256.	1.0	24
188	Multiple Signals Regulate Axon Regeneration Through the Nogo Receptor Complex. <i>Molecular Neurobiology</i> , 2005, 32, 105-112.	1.9	77
189	Binding of soluble myelin-associated glycoprotein to specific gangliosides induces the association of p75NTR to lipid rafts and signal transduction. <i>Journal of Neurochemistry</i> , 2005, 94, 15-21.	2.1	43
190	Diverse functions of the p75 neurotrophin receptor. <i>Kaibogaku Zasshi Journal of Anatomy</i> , 2005, 80, 37-41.	1.2	22
191	Wallerian Degeneration Involves Rho/Rho-kinase Signaling*. <i>Journal of Biological Chemistry</i> , 2005, 280, 20384-20388.	1.6	37
192	Biological activity of neurotrophins is dependent on recruitment of Rac1 to lipid rafts. <i>Biochemical and Biophysical Research Communications</i> , 2005, 327, 150-154.	1.0	16
193	c-Jun N-terminal kinase activation in dorsal root ganglion contributes to pain hypersensitivity. <i>Biochemical and Biophysical Research Communications</i> , 2005, 335, 132-138.	1.0	45
194	Axonal Regeneration of the Injured Central Nervous System by Rho/Rho-kinase Inhibition. <i>Surgery for Cerebral Stroke</i> , 2005, 33, 395-397.	0.0	0
195	EphA Receptors Direct the Differentiation of Mammalian Neural Precursor Cells through a Mitogen-activated Protein Kinase-dependent Pathway. <i>Journal of Biological Chemistry</i> , 2004, 279, 32643-32650.	1.6	74
196	Promotion of Axon Regeneration by Myelin-Associated Glycoprotein and Nogo through Divergent Signals Downstream of Gi/G. <i>Journal of Neuroscience</i> , 2004, 24, 6826-6832.	1.7	78
197	Chimaerins act downstream from neurotrophins in overcoming the inhibition of neurite outgrowth produced by myelin-associated glycoprotein. <i>Journal of Neurochemistry</i> , 2004, 91, 395-403.	2.1	12
198	P311 accelerates nerve regeneration of the axotomized facial nerve. <i>Journal of Neurochemistry</i> , 2004, 91, 737-744.	2.1	68

#	ARTICLE	IF	CITATIONS
199	Activation of Rho in the injured axons following spinal cord injury. <i>EMBO Reports</i> , 2004, 5, 412-417.	2.0	93
200	Analysis of genes induced in peripheral nerve after axotomy using cDNA microarrays. <i>Journal of Neurochemistry</i> , 2004, 82, 1129-1136.	2.1	84
201	p75 Neurotrophin receptor signaling in the nervous system. <i>Biotechnology Annual Review</i> , 2004, 10, 123-149.	2.1	17
202	FLRT3, a cell surface molecule containing LRR repeats and a FNIII domain, promotes neurite outgrowth. <i>Biochemical and Biophysical Research Communications</i> , 2004, 313, 1086-1091.	1.0	52
203	Changes in mRNA of Slit-Robo GTPase-activating protein 2 following facial nerve transection. <i>Molecular Brain Research</i> , 2004, 123, 76-80.	2.5	23
204	PKA phosphorylates the p75 receptor and regulates its localization to lipid rafts. <i>EMBO Journal</i> , 2003, 22, 1790-1800.	3.5	105
205	Developmental regulation of FERM domain including guanine nucleotide exchange factor gene expression in the mouse brain. <i>Developmental Brain Research</i> , 2003, 144, 181-189.	2.1	3
206	The p75 receptor acts as a displacement factor that releases Rho from Rho-GDI. <i>Nature Neuroscience</i> , 2003, 6, 461-467.	7.1	424
207	Functional inhibition of the p75 receptor using a small interfering RNA. <i>Biochemical and Biophysical Research Communications</i> , 2003, 301, 804-809.	1.0	40
208	The p75 receptor is required for BDNF-induced differentiation of neural precursor cells. <i>Biochemical and Biophysical Research Communications</i> , 2003, 301, 1011-1015.	1.0	35
209	Induction of mRNAs and proteins for Na/K ATPase α 1 and β 1 subunits following hypoxia/reoxygenation in astrocytes. <i>Molecular Brain Research</i> , 2003, 110, 38-44.	2.5	10
210	Expression of FERM domain including guanine nucleotide exchange factor mRNA in adult rat brain. <i>Molecular Brain Research</i> , 2003, 114, 163-167.	2.5	5
211	Cytoplasmic p21Cip1/WAF1 regulates neurite remodeling by inhibiting Rho-kinase activity. <i>Journal of Cell Biology</i> , 2002, 158, 321-329.	2.3	147
212	Peg3/Pw1 Is Involved in p53-mediated Cell Death Pathway in Brain Ischemia/Hypoxia. <i>Journal of Biological Chemistry</i> , 2002, 277, 623-629.	1.6	57
213	The p75 receptor transduces the signal from myelin-associated glycoprotein to Rho. <i>Journal of Cell Biology</i> , 2002, 157, 565-570.	2.3	361
214	Tumor Necrosis Factor Inhibits Neurite Outgrowth and Branching of Hippocampal Neurons by a Rho-Dependent Mechanism. <i>Journal of Neuroscience</i> , 2002, 22, 854-862.	1.7	282
215	Identification and characterization of a novel mitochondrial tricarboxylate carrier. <i>Biochemical and Biophysical Research Communications</i> , 2002, 295, 463-468.	1.0	23
216	Changes in mRNA for VAMPs following facial nerve transection. <i>Journal of Chemical Neuroanatomy</i> , 2002, 24, 147-152.	1.0	7

#	ARTICLE	IF	CITATIONS
217	Expression of mitochondrial tricarboxylate carrier TCC mRNA and protein in the rat brain. <i>Molecular Brain Research</i> , 2002, 100, 67-73.	2.5	7
218	Changes in mRNA for choline transporter-like protein following facial nerve transection. <i>Molecular Brain Research</i> , 2002, 101, 122-125.	2.5	14
219	A Novel FERM Domain Including Guanine Nucleotide Exchange Factor Is Involved in Rac Signaling and Regulates Neurite Remodeling. <i>Journal of Neuroscience</i> , 2002, 22, 8504-8513.	1.7	69
220	Cloning of a lymphatic peptide/histidine transporter. <i>Biochemical Journal</i> , 2001, 356, 53.	1.7	78
221	Induction of aquaporin-4 water channel mRNA after focal cerebral ischemia in rat. <i>Molecular Brain Research</i> , 2000, 78, 131-137.	2.5	232
222	Changes in mRNA of protein inhibitor of neuronal nitric oxide synthase following facial nerve transection. <i>Journal of Chemical Neuroanatomy</i> , 2000, 17, 199-206.	1.0	12
223	Neurotrophin Binding to the p75 Receptor Modulates Rho Activity and Axonal Outgrowth. <i>Neuron</i> , 1999, 24, 585-593.	3.8	479
224	Kainic acid-induced seizure upregulates Na ⁺ /myo-inositol cotransporter mRNA in rat brain. <i>Molecular Brain Research</i> , 1999, 70, 179-186.	2.5	30
225	Cloning of a bovine orphan transporter and its short splicing variant. <i>FEBS Letters</i> , 1999, 443, 267-270.	1.3	10
226	Increased transcription of glutamate/aspartate transporter (GLAST/GluT-1) mRNA following kainic acid-induced limbic seizure. <i>Molecular Brain Research</i> , 1998, 55, 54-60.	2.5	41
227	Regulation of Na ⁺ /myo-inositol cotransporter gene expression in hyperglycemic rat hippocampus. <i>Molecular Brain Research</i> , 1998, 57, 167-172.	2.5	8
228	Coordinate Expression of β -Tropomyosin and Caldesmon Isoforms in Association with Phenotypic Modulation of Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 15396-15404.	1.6	60
229	Cloning and Functional Expression of a Brain Peptide/Histidine Transporter. <i>Journal of Biological Chemistry</i> , 1997, 272, 10205-10211.	1.6	193
230	Expression of tPA mRNA in the facial nucleus following facial nerve transection in the rat. <i>NeuroReport</i> , 1997, 8, 419-422.	0.6	5
231	Induction of Na ⁺ /myo-inositol co-transporter mRNA after rat cryogenic injury. <i>Molecular Brain Research</i> , 1997, 46, 236-242.	2.5	18
232	Developmental regulation of Na ⁺ /myo-inositol cotransporter gene expression. <i>Molecular Brain Research</i> , 1997, 51, 91-96.	2.5	30
233	Expression of Growth Inhibitory Factor mRNA After Focal Ischemia in Rat Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997, 17, 745-752.	2.4	22
234	Changes in glutamate/aspartate transporter (GLAST/GluT-1) mRNA expression following facial nerve transection. <i>Molecular Brain Research</i> , 1996, 38, 294-299.	2.5	14

#	ARTICLE	IF	CITATIONS
235	Induction of Na ⁺ /Myo-Inositol Cotransporter mRNA after Focal Cerebral Ischemia: Evidence for Extensive Osmotic Stress in Remote Areas. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1996, 16, 1203-1210.	2.4	22
236	Changes in growth inhibitory factor mRNA expression compared with those in c-jun mRNA expression following facial nerve transection. <i>Molecular Brain Research</i> , 1995, 28, 181-185.	2.5	49
237	Expression of Growth Inhibitory Factor mRNA following Cortical Injury in Rat. <i>Journal of Neurotrauma</i> , 1995, 12, 299-306.	1.7	35
238	Messenger RNA and protein expression of basic fibroblast growth factor receptor after cortical ablation. <i>Molecular Brain Research</i> , 1994, 25, 50-56.	2.5	21
239	Humanized Anti-RGMA Antibody Treatment Promotes Repair of Blood-Spinal Cord Barrier Under Autoimmune Encephalomyelitis in Mice. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	1