Toshihide Yamashita

List of Publications by Year
in descending order

239 papers	10,549 citations	34105 52 h-index	45317 90 g-index
247 all docs	247 docs citations	247 times ranked	12516 citing authors

#	Article	IF	Citations
1	Layer V cortical neurons require microglial support for survival during postnatal development. Nature Neuroscience, 2013, 16, 543-551.	14.8	608
2	Neurotrophin Binding to the p75 Receptor Modulates Rho Activity and Axonal Outgrowth. Neuron, 1999, 24, 585-593.	8.1	479
3	The p75 receptor acts as a displacement factor that releases Rho from Rho-GDI. Nature Neuroscience, 2003, 6, 461-467.	14.8	424
4	The p75 receptor transduces the signal from myelin-associated glycoprotein to Rho. Journal of Cell Biology, 2002, 157, 565-570.	5.2	361
5	Tumor Necrosis Factor Inhibits Neurite Outgrowth and Branching of Hippocampal Neurons by a Rho-Dependent Mechanism. Journal of Neuroscience, 2002, 22, 854-862.	3.6	282
6	RGMa inhibition promotes axonal growth and recovery after spinal cord injury. Journal of Cell Biology, 2006, 173, 47-58.	5.2	257
7	miR-124a is required for hippocampal axogenesis and retinal cone survival through Lhx2 suppression. Nature Neuroscience, 2011, 14, 1125-1134.	14.8	252
8	Induction of aquaporin-4 water channel mRNA after focal cerebral ischemia in rat. Molecular Brain Research, 2000, 78, 131-137.	2.3	232
9	Axon growth inhibition by RhoA/ROCK in the central nervous system. Frontiers in Neuroscience, 2014, 8, 338.	2.8	201
10	Cloning and Functional Expression of a Brain Peptide/Histidine Transporter. Journal of Biological Chemistry, 1997, 272, 10205-10211.	3.4	193
11	Temporal Changes in Cell Marker Expression and Cellular Infiltration in a Controlled Cortical Impact Model in Adult Male C57BL/6 Mice. PLoS ONE, 2012, 7, e41892.	2.5	175
12	Cytoplasmic p21Cip1/WAF1 regulates neurite remodeling by inhibiting Rho-kinase activity. Journal of Cell Biology, 2002, 158, 321-329.	5.2	147
13	Microglia in central nervous system repair after injury. Journal of Biochemistry, 2016, 159, 491-496.	1.7	136
14	FLRT2 and FLRT3 act as repulsive guidance cues for Unc5-positive neurons. EMBO Journal, 2011, 30, 2920-2933.	7.8	135
15	Myelin-associated Glycoprotein Inhibits Microtubule Assembly by a Rho-kinase-dependent Mechanism. Journal of Biological Chemistry, 2006, 281, 15970-15979.	3.4	131
16	PKA phosphorylates the p75 receptor and regulates its localization to lipid rafts. EMBO Journal, 2003, 22, 1790-1800.	7.8	105
17	The therapeutic effects of Rho-ROCK inhibitors on CNS disorders. Therapeutics and Clinical Risk Management, 2008, Volume 4, 605-615.	2.0	103
18	Intraspinal rewiring of the corticospinal tract requires target-derived brain-derived neurotrophic factor and compensates lost function after brain injury. Brain, 2012, 135, 1253-1267.	7.6	101

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19	RGMa modulates T cell responses and is involved in autoimmune encephalomyelitis. Nature Medicine, 2011, 17, 488-494.	30.7	100
20	Angiogenesis induced by CNS inflammation promotes neuronal remodeling through vessel-derived prostacyclin. Nature Medicine, 2012, 18, 1658-1664.	30.7	99
21	Rho-ROCK Inhibitors as Emerging Strategies to Promote Nerve Regeneration. Current Pharmaceutical Design, 2007, 13, 2493-2499.	1.9	98
22	Activated Microglia Inhibit Axonal Growth through RGMa. PLoS ONE, 2011, 6, e25234.	2.5	96
23	Reduction of Brain Î²-Amyloid (AÎ²) by Fluvastatin, a Hydroxymethylglutaryl-CoA Reductase Inhibitor, through Increase in Degradation of Amyloid Precursor Protein C-terminal Fragments (APP-CTFs) and AÎ² Clearance. Journal of Biological Chemistry, 2010, 285, 22091-22102.	3.4	95
24	Activation of Rho in the injured axons following spinal cord injury. EMBO Reports, 2004, 5, 412-417.	4.5	93
25	BMP inhibition enhances axonal growth and functional recovery after spinal cord injury. Journal of Neurochemistry, 2008, 105, 1471-1479.	3.9	86
26	Keratan Sulfate Restricts Neural Plasticity after Spinal Cord Injury. Journal of Neuroscience, 2011, 31, 17091-17102.	3.6	85
27	Analysis of genes induced in peripheral nerve after axotomy using cDNA microarrays. Journal of Neurochemistry, 2002, 82, 1129-1136.	3.9	84
28	RGMs: Structural Insights, Molecular Regulation, and Downstream Signaling. Trends in Cell Biology, 2017, 27, 365-378.	7.9	83
29	Macrophage P2X4 receptors augment bacterial killing and protect against sepsis. JCI Insight, 2018, 3, .	5.0	82
30	Unc5B associates with LARG to mediate the action of repulsive guidance molecule. Journal of Cell Biology, 2009, 184, 737-750.	5.2	81
31	Cloning of a lymphatic peptide/histidine transporter. Biochemical Journal, 2001, 356, 53.	3.7	78
32	Promotion of Axon Regeneration by Myelin-Associated Glycoprotein and Nogo through Divergent Signals Downstream of Gi/G. Journal of Neuroscience, 2004, 24, 6826-6832.	3.6	78
33	Sirtuins in Neuroendocrine Regulation and Neurological Diseases. Frontiers in Neuroscience, 2018, 12, 778.	2.8	78
34	Multiple Signals Regulate Axon Regeneration Through the Nogo Receptor Complex. Molecular Neurobiology, 2005, 32, 105-112.	4.0	77
35	Peripherally derived FGF21 promotes remyelination in the central nervous system. Journal of Clinical Investigation, 2017, 127, 3496-3509.	8.2	77
36	Engulfment of Axon Debris by Microglia Requires p38 MAPK Activity. Journal of Biological Chemistry, 2009, 284, 21626-21636.	3.4	76

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37	EphA Receptors Direct the Differentiation of Mammalian Neural Precursor Cells through a Mitogen-activated Protein Kinase-dependent Pathway. Journal of Biological Chemistry, 2004, 279, 32643-32650.	3.4	74
38	Wnt-Ryk Signaling Mediates Axon Growth Inhibition and Limits Functional Recovery after Spinal Cord Injury. Journal of Neurotrauma, 2009, 26, 955-964.	3.4	74
39	Neogenin, a Receptor for Bone Morphogenetic Proteins. Journal of Biological Chemistry, 2011, 286, 5157-5165.	3.4	73
40	<i>N</i>-Acetylglucosamine 6-<i>O</i>-Sulfotransferase-1-Deficient Mice Show Better Functional Recovery after Spinal Cord Injury. Journal of Neuroscience, 2010, 30, 5937-5947.	3.6	70
41	A Novel FERM Domain Including Guanine Nucleotide Exchange Factor Is Involved in Rac Signaling and Regulates Neurite Remodeling. Journal of Neuroscience, 2002, 22, 8504-8513.	3.6	69
42	P311 accelerates nerve regeneration of the axotomized facial nerve. Journal of Neurochemistry, 2004, 91, 737-744.	3.9	68
43	Myelin suppresses axon regeneration by PIR-B/SHP-mediated inhibition of Trk activity. EMBO Journal, 2011, 30, 1389-1401.	7.8	66
44	Rho-kinase inhibition enhances axonal regeneration after peripheral nerve injury. Journal of the Peripheral Nervous System, 2006, 11, 217-224.	3.1	65
45	Neogenin and repulsive guidance molecule signaling in the central nervous system. Current Opinion in Neurobiology, 2007, 17, 29-34.	4.2	62
46	B-1a lymphocytes promote oligodendrogenesis during brain development. Nature Neuroscience, 2018, 21, 506-516.	14.8	62
47	Myosin IIA is required for neurite outgrowth inhibition produced by repulsive guidance molecule. Journal of Neurochemistry, 2008, 105, 113-126.	3.9	61
48	Paired Immunoglobulin-like Receptor B Knockout Does Not Enhance Axonal Regeneration or Locomotor Recovery after Spinal Cord Injury. Journal of Biological Chemistry, 2011, 286, 1876-1883.	3.4	61
49	Coordinate Expression of Î±-Tropomyosin and Caldesmon Isoforms in Association with Phenotypic Modulation of Smooth Muscle Cells. Journal of Biological Chemistry, 1997, 272, 15396-15404.	3.4	60
50	Peg3/Pw1 Is Involved in p53-mediated Cell Death Pathway in Brain Ischemia/Hypoxia. Journal of Biological Chemistry, 2002, 277, 623-629.	3.4	57
51	A pain-mediated neural signal induces relapse in murine autoimmune encephalomyelitis, a multiple sclerosis model. ELife, 2015, 4, .	6.0	57
52	Inhibition of TGF-Î²1 promotes functional recovery after spinal cord injury. Neuroscience Research, 2009, 65, 393-401.	1.9	56
53	Genetic Deletion of Paired Immunoglobulin-Like Receptor B Does Not Promote Axonal Plasticity or Functional Recovery after Traumatic Brain Injury. Journal of Neuroscience, 2010, 30, 13045-13052.	3.6	56
54	TNF-Î± contributes to axonal sprouting and functional recovery following traumatic brain injury. Brain Research, 2009, 1290, 102-110.	2.2	53

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55	Involvement of Wnt/Î²-catenin signaling in the development of neuropathic pain. Neuroscience Research, 2014, 79, 34-40.	1.9	53
56	FLRT3, a cell surface molecule containing LRR repeats and a FNIII domain, promotes neurite outgrowth. Biochemical and Biophysical Research Communications, 2004, 313, 1086-1091.	2.1	52
57	Prostacyclin Prevents Pericyte Loss and Demyelination Induced by Lysophosphatidylcholine in the Central Nervous System. Journal of Biological Chemistry, 2015, 290, 11515-11525.	3.4	50
58	Changes in growth inhibitory factor mRNA expression compared with those in c-jun mRNA expression following facial nerve transection. Molecular Brain Research, 1995, 28, 181-185.	2.3	49
59	Nerve Growth Factor of Cultured Medium Extracted From Human Degenerative Nucleus Pulposus Promotes Sensory Nerve Growth and Induces Substance P In Vitro. Spine, 2009, 34, 2263-2269.	2.0	48
60	The role of immune cells in brain development and neurodevelopmental diseases. International Immunology, 2018, 30, 437-444.	4.0	48
61	Lrig2 Negatively Regulates Ectodomain Shedding of Axon Guidance Receptors by ADAM Proteases. Developmental Cell, 2015, 35, 537-552.	7.0	46
62	c-Jun N-terminal kinase activation in dorsal root ganglion contributes to pain hypersensitivity. Biochemical and Biophysical Research Communications, 2005, 335, 132-138.	2.1	45
63	An Image-Based miRNA Screen Identifies miRNA-135s As Regulators of CNS Axon Growth and Regeneration by Targeting KrÃ¼ppel-like Factor 4. Journal of Neuroscience, 2018, 38, 613-630.	3.6	45
64	Rho-ROCK Inhibitors for the Treatment of CNS Injury. Recent Patents on CNS Drug Discovery, 2007, 2, 173-179.	0.9	44
65	Decreased cohesin in the brain leads to defective synapse development and anxiety-related behavior. Journal of Experimental Medicine, 2017, 214, 1431-1452.	8.5	44
66	Circulating transforming growth factor-Î²1 facilitates remyelination in the adult central nervous system. ELife, 2019, 8, .	6.0	44
67	Binding of soluble myelin-associated glycoprotein to specific gangliosides induces the association of p75NTR to lipid rafts and signal transduction. Journal of Neurochemistry, 2005, 94, 15-21.	3.9	43
68	The role of repulsive guidance molecules in the embryonic and adult vertebrate central nervous system. Philosophical Transactions of the Royal Society B: Biological Sciences, 2006, 361, 1513-1529.	4.0	43
69	Repulsive Guidance Molecule-a Is Involved in Th17-Cell-Induced Neurodegeneration in Autoimmune Encephalomyelitis. Cell Reports, 2014, 9, 1459-1470.	6.4	43
70	Bidirectional tuning of microglia in the developing brain: from neurogenesis to neural circuit formation. Current Opinion in Neurobiology, 2014, 27, 8-15.	4.2	43
71	Sigma-1 Receptor Enhances Neurite Elongation of Cerebellar Granule Neurons via TrkB Signaling. PLoS ONE, 2013, 8, e75760.	2.5	43
72	Soluble Î²-amyloid Precursor Protein Alpha Binds to p75 Neurotrophin Receptor to Promote Neurite Outgrowth. PLoS ONE, 2013, 8, e82321.	2.5	42

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73	Increased transcription of glutamateâ€"aspartate transporter (GLAST/GluT-1) mRNA following kainic acid-induced limbic seizure. Molecular Brain Research, 1998, 55, 54-60.	2.3	41
74	Delayed treatment with Rho-kinase inhibitor does not enhance axonal regeneration or functional recovery after spinal cord injury in rats. Experimental Neurology, 2006, 200, 392-397.	4.1	41
75	Inactivation of Ras by p120GAP via Focal Adhesion Kinase Dephosphorylation Mediates RGMa-Induced Growth Cone Collapse. Journal of Neuroscience, 2009, 29, 6649-6662.	3.6	41
76	Recent insights into peroxisome biogenesis and associated diseases. Journal of Cell Science, 2020, 133, .	2.0	41
77	Functional inhibition of the p75 receptor using a small interfering RNA. Biochemical and Biophysical Research Communications, 2003, 301, 804-809.	2.1	40
78	Synapse formation of the cortico-spinal axons is enhanced by RGMa inhibition after spinal cord injury. Brain Research, 2007, 1186, 74-86.	2.2	40
79	Treatment With the Neutralizing Antibody Against Repulsive Guidance Molecule-a Promotes Recovery From Impaired Manual Dexterity in a Primate Model of Spinal Cord Injury. Cerebral Cortex, 2019, 29, 561-572.	2.9	39
80	Class I histone deacetylase (HDAC) inhibitor CI-994 promotes functional recovery following spinal cord injury. Cell Death and Disease, 2018, 9, 460.	6.3	38
81	Microglia suppress the secondary progression of autoimmune encephalomyelitis. Glia, 2019, 67, 1694-1704.	4.9	38
82	Wallerian Degeneration Involves Rho/Rho-kinase Signaling*. Journal of Biological Chemistry, 2005, 280, 20384-20388.	3.4	37
83	Limited functional recovery in rats with complete spinal cord injury after transplantation of whole-layer olfactory mucosa. Journal of Neurosurgery: Spine, 2010, 12, 122-130.	1.7	37
84	Chondroitin Sulfate Proteoglycans Down-regulate Spine Formation in Cortical Neurons by Targeting Tropomyosin-related Kinase B (TrkB) Protein. Journal of Biological Chemistry, 2012, 287, 13822-13828.	3.4	37
85	Netrin-4 regulates thalamocortical axon branching in an activity-dependent fashion. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15226-15231.	7.1	37
86	The P2X4 receptor is required for neuroprotection via ischemic preconditioning. Scientific Reports, 2016, 6, 25893.	3.3	37
87	Expression of Growth Inhibitory Factor mRNA following Cortical Injury in Rat. Journal of Neurotrauma, 1995, 12, 299-306.	3.4	35
88	The p75 receptor is required for BDNF-induced differentiation of neural precursor cells. Biochemical and Biophysical Research Communications, 2003, 301, 1011-1015.	2.1	35
89	The p75 receptor is associated with inflammatory thermal hypersensitivity. Journal of Neuroscience Research, 2008, 86, 3566-3574.	2.9	35
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. PLoS ONE, 2014, 9, e114328.	2.5	35

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91	Role of RhoA in Activity-Dependent Cortical Axon Branching. Journal of Neuroscience, 2008, 28, 9117-9121.	3.6	34
92	Treatment of rat spinal cord injury with a Rho-kinase inhibitor and bone marrow stromal cell transplantation. Brain Research, 2009, 1295, 192-202.	2.2	34
93	Inhibiting repulsive guidance molecule-a suppresses secondary progression in mouse models of multiple sclerosis. Cell Death and Disease, 2018, 9, 1061.	6.3	34
94	Inhibition of a eukaryotic initiation factor (<i>eIF2BÎ´</i>,/F11A3.2) during adulthood extends lifespan in<i>Caenorhabditis elegans</i>. FASEB Journal, 2008, 22, 4327-4337.	0.5	33
95	Role of DAPK in neuronal cell death. Apoptosis: an International Journal on Programmed Cell Death, 2014, 19, 339-345.	4.9	33
96	The Effects of Leptin on Glial Cells in Neurological Diseases. Frontiers in Neuroscience, 2019, 13, 828.	2.8	33
97	Temperature dependence of the flexural rigidity of single microtubules. Biochemical and Biophysical Research Communications, 2008, 366, 637-642.	2.1	31
98	Developmental regulation of Na+/myo-inositol cotransporter gene expression. Molecular Brain Research, 1997, 51, 91-96.	2.3	30
99	Kainic acid-induced seizure upregulates Na+/myo-inositol cotransporter mRNA in rat brain. Molecular Brain Research, 1999, 70, 179-186.	2.3	30
100	Inhibition of branching and spine maturation by repulsive guidance molecule in cultured cortical neurons. Biochemical and Biophysical Research Communications, 2008, 372, 725-729.	2.1	30
101	TACE cleaves neogenin to desensitize cortical neurons to the repulsive guidance molecule. Neuroscience Research, 2011, 71, 63-70.	1.9	30
102	Glucocorticoid Suppresses Dendritic Spine Development Mediated by Down-Regulation of Caldesmon Expression. Journal of Neuroscience, 2012, 32, 14583-14591.	3.6	30
103	Inhibition of HDAC increases BDNF expression and promotes neuronal rewiring and functional recovery after brain injury. Cell Death and Disease, 2020, 11, 655.	6.3	30
104	Zyxin is a novel interacting partner for SIRT1. BMC Cell Biology, 2009, 10, 6.	3.0	29
105	Progressive hearing loss in mice carrying a mutation in the p75 gene. Brain Research, 2006, 1091, 224-234.	2.2	28
106	C-Jun N-terminal kinase induces axonal degeneration and limits motor recovery after spinal cord injury in mice. Neuroscience Research, 2011, 71, 266-277.	1.9	28
107	Reorganization of corticospinal tract fibers after spinal cord injury in adult macaques. Scientific Reports, 2015, 5, 11986.	3.3	28
108	Netrin-G1 Regulates Microglial Accumulation along Axons and Supports the Survival of Layer V Neurons in the Postnatal Mouse Brain. Cell Reports, 2020, 31, 107580.	6.4	28

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109	Kinematic analyses reveal impaired locomotion following injury of the motor cortex in mice. Experimental Neurology, 2011, 230, 280-290.	4.1	27
110	LIMâ€only protein 4 interacts directly with the repulsive guidance molecule A receptor Neogenin. Journal of Neurochemistry, 2008, 107, 418-431.	3.9	26
111	Regulation of Axonal Elongation and Pathfinding from the Entorhinal Cortex to the Dentate Gyrus in the Hippocampus by the Chemokine Stromal Cell-Derived Factor 1Î±. Journal of Neuroscience, 2008, 28, 8344-8353.	3.6	26
112	Repulsive guidance molecule b inhibits neurite growth and is increased after spinal cord injury. Biochemical and Biophysical Research Communications, 2009, 382, 795-800.	2.1	26
113	Expression of galectin-1 in immune cells and glial cells after spinal cord injury. Neuroscience Research, 2010, 66, 265-270.	1.9	26
114	Extracellular Lactate Dehydrogenase A Release From Damaged Neurons Drives Central Nervous System Angiogenesis. EBioMedicine, 2018, 27, 71-85.	6.1	26
115	Neuropilin-1-mediated pruning of corticospinal tract fibers is required for motor recovery after spinal cord injury. Cell Death and Disease, 2019, 10, 67.	6.3	26
116	Neuroplasticity related to chronic pain and its modulation by microglia. Inflammation and Regeneration, 2022, 42, 15.	3.7	26
117	Corticospinal tract fibers cross the ephrin-B3-negative part of the midline of the spinal cord after brain injury. Neuroscience Research, 2011, 69, 187-195.	1.9	25
118	Unconventional role of voltageâ€gated proton channels (<scp>VSOP</scp>/Hv1) in regulation of microglial <scp>ROS</scp> production. Journal of Neurochemistry, 2017, 142, 686-699.	3.9	25
119	Extracellular Signal-Regulated Kinase Mitogen-Activated Protein Kinase Activation in the Dorsal Root Ganglion (DRG) and Spinal Cord After DRG Injury in Rats. Spine, 2005, 30, 2252-2256.	2.0	24
120	Intrinsic regenerative mechanisms of central nervous system neurons. BioScience Trends, 2009, 3, 179-83.	3.4	24
121	Identification and characterization of a novel mitochondrial tricarboxylate carrier. Biochemical and Biophysical Research Communications, 2002, 295, 463-468.	2.1	23
122	Changes in mRNA of Slitâ€"Robo GTPase-activating protein 2 following facial nerve transection. Molecular Brain Research, 2004, 123, 76-80.	2.3	23
123	Immunotherapies in Huntington's disease and Î±-Synucleinopathies. Frontiers in Immunology, 2020, 11, 337.	4.8	23
124	Induction of Na+/Myo-Inositol Cotransporter mRNA after Focal Cerebral Ischemia: Evidence for Extensive Osmotic Stress in Remote Areas. Journal of Cerebral Blood Flow and Metabolism, 1996, 16, 1203-1210.	4.3	22
125	Expression of Growth Inhibitory Factor mRNA After Focal Ischemia in Rat Brain. Journal of Cerebral Blood Flow and Metabolism, 1997, 17, 745-752.	4.3	22
126	Diverse functions of the p75 neurotrophin receptor. Kaibogaku Zasshi Journal of Anatomy, 2005, 80, 37-41.	1.2	22

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127	The roles of RGMa-neogenin signaling in inflammation and angiogenesis. Inflammation and Regeneration, 2017, 37, 6.	3.7	22
128	Messenger RNA and protein expression of basic fibroblast growth factor receptor after cortical ablation. Molecular Brain Research, 1994, 25, 50-56.	2.3	21
129	Rho Kinase Inhibitor Improves Motor Dysfunction and Hypoalgesia in a Rat Model of Lumbar Spinal Canal Stenosis. Spine, 2007, 32, 2070-2075.	2.0	20
130	Acetylation of NDPK-D Regulates Its Subcellular Localization and Cell Survival. PLoS ONE, 2015, 10, e0139616.	2.5	20
131	Microglial depletion under thalamic hemorrhage ameliorates mechanical allodynia and suppresses aberrant axonal sprouting. JCI Insight, 2020, 5, .	5.0	20
132	Microglia as therapeutic target in central nervous system disorders. Journal of Pharmacological Sciences, 2020, 144, 102-118.	2.5	19
133	Complement cascade functions during brain development and neurodegeneration. FEBS Journal, 2022, 289, 2085-2109.	4.7	19
134	Peroxisome biogenesis deficiency attenuates the BDNF-TrkB pathway-mediated development of the cerebellum. Life Science Alliance, 2018, 1, e201800062.	2.8	19
135	Induction of Na+/myo-inositol co-transporter mRNA after rat cryogenic injury. Molecular Brain Research, 1997, 46, 236-242.	2.3	18
136	Adenoviral gene transfer in the peripheral nervous system. Journal of Orthopaedic Science, 2006, 11, 64-69.	1.1	18
137	BMP inhibits neurite growth by a mechanism dependent on LIM-kinase. Biochemical and Biophysical Research Communications, 2007, 360, 868-873.	2.1	18
138	The Soluble Form of LOTUS inhibits Nogo Receptor-Mediated Signaling by Interfering with the Interaction Between Nogo Receptor Type 1 and p75 Neurotrophin Receptor. Journal of Neuroscience, 2018, 38, 2589-2604.	3.6	18
139	Age-dependent decline in remyelination capacity is mediated by apelinâ€“APJ signaling. Nature Aging, 2021, 1, 284-294.	11.6	18
140	p75 Neurotrophin receptor signaling in the nervous system. Biotechnology Annual Review, 2004, 10, 123-149.	2.1	17
141	Loss of p73 in ependymal cells during the perinatal period leads to aqueductal stenosis. Scientific Reports, 2017, 7, 12007.	3.3	17
142	Inhibition of RGMa alleviates symptoms in a rat model of neuromyelitis optica. Scientific Reports, 2018, 8, 34.	3.3	17
143	Myeloid-Derived Suppressor Cells Infiltrate the Brain and Suppress Neuroinflammation in a Mouse Model of Focal Traumatic Brain Injury. Neuroscience, 2019, 406, 457-466.	2.3	17
144	Neuroprotective function of microglia in the developing brain. Neuronal Signaling, 2021, 5, NS20200024.	3.2	17

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145	Inhibition of repulsive guidance molecule-a protects dopaminergic neurons in a mouse model of Parkinsonâ€™s disease. Cell Death and Disease, 2021, 12, 181.	6.3	17
146	Protocol for mouse adult neural stem cell isolation and culture. STAR Protocols, 2021, 2, 100522.	1.2	17
147	Biological activity of neurotrophins is dependent on recruitment of Rac1 to lipid rafts. Biochemical and Biophysical Research Communications, 2005, 327, 150-154.	2.1	16
148	Repulsion of cerebellar granule neurons by chondroitin sulfate proteoglycans is mediated by MAPK pathway. Neuroscience Letters, 2007, 423, 62-67.	2.1	16
149	Repulsive Guidance Molecule-a and Demyelination: Implications for Multiple Sclerosis. Journal of NeuroImmune Pharmacology, 2012, 7, 524-528.	4.1	16
150	Repulsive guidance molecule a regulates hippocampal mossy fiber branching in vitro. NeuroReport, 2013, 24, 609-615.	1.2	16
151	The First Nationwide Survey and Genetic Analyses of Bardet-Biedl Syndrome in Japan. PLoS ONE, 2015, 10, e0136317.	2.5	16
152	Th1 cells promote neurite outgrowth from cortical neurons via a mechanism dependent on semaphorins. Biochemical and Biophysical Research Communications, 2010, 402, 168-172.	2.1	15
153	Thromboxane A2 stimulates neurite outgrowth in cerebral cortical neurons via mitogen activated protein kinase signaling. Brain Research, 2015, 1594, 46-51.	2.2	15
154	Arid5a Promotes Immune Evasion by Augmenting Tryptophan Metabolism and Chemokine Expression. Cancer Immunology Research, 2021, 9, 862-876.	3.4	15
155	Changes in glutamate/aspartate transporter (GLAST/GluT-1) mRNA expression following facial nerve transection. Molecular Brain Research, 1996, 38, 294-299.	2.3	14
156	Changes in mRNA for choline transporter-like protein following facial nerve transection. Molecular Brain Research, 2002, 101, 122-125.	2.3	14
157	Role of Clast1 in development of cerebellar granule cells. Brain Research, 2006, 1104, 18-26.	2.2	14
158	Pericyte function in the physiological central nervous system. Neuroscience Research, 2014, 81-82, 38-41.	1.9	14
159	Leptin sustains spontaneous remyelination in the adult central nervous system. Scientific Reports, 2017, 7, 40397.	3.3	14
160	Strategies for regenerating injured axons after spinal cord injury – insights from brain development. Biologics: Targets and Therapy, 2008, 2, 253.	3.2	13
161	Repulsive guidance molecule A suppresses angiogenesis. Biochemical and Biophysical Research Communications, 2016, 469, 993-999.	2.1	13
162	Spatial organization of genome architecture in neuronal development and disease. Neurochemistry International, 2018, 119, 49-56.	3.8	13

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163	Repulsive Guidance Molecule A Suppresses Adult Neurogenesis. Stem Cell Reports, 2020, 14, 677-691.	4.8	13
164	Identification of the Neogenin-Binding Site on the Repulsive Guidance Molecule A. PLoS ONE, 2012, 7, e32791.	2.5	13
165	Changes in mRNA of protein inhibitor of neuronal nitric oxide synthase following facial nerve transection. Journal of Chemical Neuroanatomy, 2000, 17, 199-206.	2.1	12
166	Chimaerins act downstream from neurotrophins in overcoming the inhibition of neurite outgrowth produced by myelin-associated glycoprotein. Journal of Neurochemistry, 2004, 91, 395-403.	3.9	12
167	Induction of repulsive guidance molecule in neurons following sciatic nerve injury. Journal of Chemical Neuroanatomy, 2006, 32, 74-77.	2.1	12
168	Dorsal horn interneuron-derived Netrin-4 contributes to spinal sensitization in chronic pain via Unc5B. Journal of Experimental Medicine, 2016, 213, 2949-2966.	8.5	12
169	Inflammatory projections after focal brain injury trigger neuronal network disruption: An 18F-DPA714 PET study in mice. NeuroImage: Clinical, 2018, 20, 946-954.	2.7	12
170	B lymphocytes: Crucial contributors to brain development and neurological diseases. Neuroscience Research, 2019, 139, 37-41.	1.9	12
171	A peroxisome deficiencyâ€"induced reductive cytosol state up-regulates the brain-derived neurotrophic factor pathway. Journal of Biological Chemistry, 2020, 295, 5321-5334.	3.4	12
172	The RNA-binding protein MARF1 promotes cortical neurogenesis through its RNase activity domain. Scientific Reports, 2017, 7, 1155.	3.3	11
173	Increased Expression of Fibronectin Leucine-Rich Transmembrane Protein 3 in the Dorsal Root Ganglion Induces Neuropathic Pain in Rats. Journal of Neuroscience, 2019, 39, 7615-7627.	3.6	11
174	Interleukin-17A regulates ependymal cell proliferation and functional recovery after spinal cord injury in mice. Cell Death and Disease, 2021, 12, 766.	6.3	11
175	ATP spreads inflammation to other limbs through crosstalk between sensory neurons and interneurons. Journal of Experimental Medicine, 2022, 219, .	8.5	11
176	Cloning of a bovine orphan transporter and its short splicing variant. FEBS Letters, 1999, 443, 267-270.	2.8	10
177	Induction of mRNAs and proteins for Na/K ATPase Î±1 and Î²1 subunits following hypoxia/reoxygenation in astrocytes. Molecular Brain Research, 2003, 110, 38-44.	2.3	10
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