Xin-Fu Zhou

List of Publications by Year
in descending order

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269	10,021	38742 50	58581 82
papers	citations	h-index	g-index

281	281	281	10336
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Endogenous brain-derived neurotrophic factor is anterogradely transported in primary sensory neurons. Neuroscience, 1996, 74, 945-951.	2.3	269
2	Deprivation of endogenous brain-derived neurotrophic factor results in impairment of spatial learning and memory in adult rats. Brain Research, 1999, 835, 259-265.	2.2	262
3	Satellite-cell-derived nerve growth factor and neurotrophin-3 are involved in noradrenergic sprouting in the dorsal root ganglia following peripheral nerve injury in the rat. European Journal of Neuroscience, 1999, 11, 1711-1722.	2.6	202
4	Brain-derived neurotrophic factor protects against tau-related neurodegeneration of Alzheimerâ€™s disease. Translational Psychiatry, 2016, 6, e907-e907.	4.8	194
5	Consumption of Grape Seed Extract Prevents Amyloid-Î² Deposition and Attenuates Inflammation in Brain of an Alzheimerâ€™s Disease Mouse. Neurotoxicity Research, 2009, 15, 3-14.	2.7	192
6	Endogenous BDNF is required for myelination and regeneration of injured sciatic nerve in rodents. European Journal of Neuroscience, 2000, 12, 4171-80.	2.6	188
7	Differential Expression of the p75 Nerve Growth Factor Receptor in Glia and Neurons of the Rat Dorsal Root Ganglia after Peripheral Nerve Transection. Journal of Neuroscience, 1996, 16, 2901-2911.	3.6	182
8	Physiological amyloid-beta clearance in the periphery and its therapeutic potential for Alzheimerâ€™s disease. Acta Neuropathologica, 2015, 130, 487-499.	7.7	180
9	Clearance of amyloid-beta in Alzheimer's disease: progress, problems and perspectives. Drug Discovery Today, 2006, 11, 931-938.	6.4	173
10	Injured primary sensory neurons switch phenotype for brain-derived neurotrophic factor in the rat. Neuroscience, 1999, 92, 841-853.	2.3	148
11	Isolation and Characterization of Neural Crest Progenitors from Adult Dorsal Root Ganglia. Stem Cells, 2007, 25, 2053-2065.	3.2	144
12	Increased brain-derived neurotrophic factor immunoreactivity in rat dorsal root ganglia and spinal cord following peripheral inflammation. Brain Research, 1997, 764, 269-272.	2.2	139
13	ProBDNF Collapses Neurite Outgrowth of Primary Neurons by Activating RhoA. PLoS ONE, 2012, 7, e35883.	2.5	130
14	Upregulation of blood proBDNF and its receptors in major depression. Journal of Affective Disorders, 2013, 150, 776-784.	4.1	125
15	Edaravone alleviates Alzheimerâ€™s disease-type pathologies and cognitive deficits. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5225-5230.	7.1	120
16	TNF-Î± Mediates p38 MAP Kinase Activation and Negatively Regulates Bone Formation at the Injured Growth Plate in Rats. Journal of Bone and Mineral Research, 2006, 21, 1075-1088.	2.8	118
17	Hyperalgesia due to nerve damage: role of nerve growth factor. Pain, 1999, 81, 245-255.	4.2	115
18	Neurotrophins from dorsal root ganglia trigger allodynia after spinal nerve injury in rats. European Journal of Neuroscience, 2000, 12, 100-105.	2.6	115

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19	Localization of neurotrophin-3-like immunoreactivity in the rat central nervous system. Brain Research, 1994, 643, 162-172.	2.2	102
20	Endogenous BDNF is required for myelination and regeneration of injured sciatic nerve in rodents. European Journal of Neuroscience, 2000, 12, 4171-4180.	2.6	101
21	Distribution of trkB tyrosine kinase immunoreactivity in the rat central nervous system. Brain Research, 1993, 622, 63-70.	2.2	100
22	ProBDNF Signaling Regulates Depression-Like Behaviors in Rodents under Chronic Stress. Neuropsychopharmacology, 2016, 41, 2882-2892.	5.4	97
23	Suppression of p75NTR Does Not Promote Regeneration of Injured Spinal Cord in Mice. Journal of Neuroscience, 2004, 24, 542-546.	3.6	93
24	Effect of Lumbar 5 Ventral Root Transection on Pain Behaviors: A Novel Rat Model for Neuropathic Pain without Axotomy of Primary Sensory Neurons. Experimental Neurology, 2002, 175, 23-34.	4.1	92
25	p75NTR ectodomain is a physiological neuroprotective molecule against amyloid-beta toxicity in the brain of Alzheimerâ€™s disease. Molecular Psychiatry, 2015, 20, 1301-1310.	7.9	92
26	Peripherally-Derived BDNF Promotes Regeneration of Ascending Sensory Neurons after Spinal Cord Injury. PLoS ONE, 2008, 3, e1707.	2.5	91
27	Peritoneal dialysis reduces amyloid-beta plasma levels in humans and attenuates Alzheimer-associated phenotypes in an APP/PS1 mouse model. Acta Neuropathologica, 2017, 134, 207-220.	7.7	90
28	p75NTR Regulates AÎ² Deposition by Increasing AÎ² Production But Inhibiting AÎ² Aggregation with Its Extracellular Domain. Journal of Neuroscience, 2011, 31, 2292-2304.	3.6	84
29	Sympathetic neurons in neonatal rats require endogenous neurotrophin-3 for survival. Journal of Neuroscience, 1995, 15, 6521-6530.	3.6	80
30	Roles of brain-derived neurotrophic factor/tropomyosin-related kinase B (BDNF/TrkB) signalling in Alzheimerâ€™s disease. Journal of Clinical Neuroscience, 2012, 19, 946-949.	1.5	80
31	Clearance of Amyloid-Beta in Alzheimerâ€™s Disease: Shifting the Action Site from Center to Periphery. Molecular Neurobiology, 2015, 51, 1-7.	4.0	79
32	Roles of transforming growth factor-Î± and related molecules in the nervous system. Molecular Neurobiology, 1999, 20, 157-183.	4.0	77
33	Effects of Endogenous Neurotrophins on Sympathetic Sprouting in the Dorsal Root Ganglia and Allodynia Following Spinal Nerve Injury. Experimental Neurology, 2000, 164, 344-350.	4.1	77
34	Grape seed polyphenols and curcumin reduce genomic instability events in a transgenic mouse model for Alzheimer's disease. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2009, 661, 25-34.	1.0	75
35	Ultrastructural localization of brain-derived neurotrophic factor in rat primary sensory neurons. Neuroscience Research, 2001, 39, 377-384.	1.9	74
36	Actions of brain-derived neurotrophic factor on spinal nociceptive transmission during inflammation in the rat. Journal of Physiology, 2005, 569, 685-695.	2.9	74

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37	Localization of neurotrophin-3-like immunoreactivity in peripheral tissues of the rat. Brain Research, 1993, 621, 189-199.	2.2	73
38	Distribution and localization of pro-brain-derived neurotrophic factor-like immunoreactivity in the peripheral and central nervous system of the adult rat. Journal of Neurochemistry, 2004, 91, 704-715.	3.9	73
39	Nogoâ€66 inhibits adhesion and migration of microglia via GTPase Rho pathway in vitro. Journal of Neurochemistry, 2012, 120, 721-731.	3.9	72
40	Knockout of p75NTR impairs re-myelination of injured sciatic nerve in mice. Journal of Neurochemistry, 2006, 96, 833-842.	3.9	69
41	Huntingtin-associated Protein-1 Interacts with Pro-brain-derived Neurotrophic Factor and Mediates Its Transport and Release. Journal of Biological Chemistry, 2010, 285, 5614-5623.	3.4	65
42	Small primary sensory neurons innervating epidermis and viscera display differential phenotype in the adult rat. Neuroscience Research, 2001, 41, 355-363.	1.9	62
43	Development of Anxiety-Like Behavior via Hippocampal IGF-2 Signaling in the Offspring of Parental Morphine Exposure: Effect of Enriched Environment. Neuropsychopharmacology, 2014, 39, 2777-2787.	5.4	62
44	An improved procedure for the immunohistochemical localization of nerve growth factor-like immunoreactivity. Journal of Neuroscience Methods, 1994, 54, 95-102.	2.5	61
45	Detection of increased tissue concentrations of nerve growth factor with an improved extraction procedure. , 1996, 46, 581-594.		61
46	EGF family of growth factors: essential roles and functional redundancy in the nerve system. Frontiers in Bioscience - Landmark, 2004, 9, 85.	3.0	60
47	Precursor of Brain-derived Neurotrophic Factor (proBDNF) Forms a Complex with Huntingtin-associated Protein-1 (HAP1) and Sortilin That Modulates proBDNF Trafficking, Degradation, and Processing. Journal of Biological Chemistry, 2011, 286, 16272-16284.	3.4	60
48	miR128-1 inhibits the growth of glioblastoma multiforme and glioma stem-like cells via targeting BMI1 and E2F3. Oncotarget, 2016, 7, 78813-78826.	1.8	58
49	Urine-derived cells for human cell therapy. Stem Cell Research and Therapy, 2018, 9, 189.	5.5	58
50	Roles of p75NTR in the pathogenesis of Alzheimer's disease: A novel therapeutic target. Biochemical Pharmacology, 2011, 82, 1500-1509.	4.4	55
51	Neural Stem Cell Transplantation Promotes Functional Recovery from Traumatic Brain Injury via Brain Derived Neurotrophic Factor-Mediated Neuroplasticity. Molecular Neurobiology, 2018, 55, 2696-2711.	4.0	55
52	Huntingtin associated protein 1 and its functions. Cell Adhesion and Migration, 2009, 3, 71-76.	2.7	54
53	Endogenous proBDNF is a negative regulator of migration of cerebellar granule cells in neonatal mice. European Journal of Neuroscience, 2011, 33, 1376-1384.	2.6	54
54	Neurotrophin-3 Induces BMP-2 and VEGF Activities and Promotes the Bony Repair of Injured Growth Plate Cartilage and Bone in Rats. Journal of Bone and Mineral Research, 2016, 31, 1258-1274.	2.8	54

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55	PericellularGriffonia simplicifolia I isolectin B4-binding ring structures in the dorsal root ganglia following peripheral nerve injury in rats. Journal of Comparative Neurology, 2001, 439, 259-274.	1.6	52
56	Direct Reprogramming of Mouse Fibroblasts to Neural Stem Cells by Small Molecules. Stem Cells International, 2016, 2016, 1-11.	2.5	52
57	Functional roles of neurotrophin 3 in the developing and mature sympathetic nervous system. Molecular Neurobiology, 1996, 13, 185-197.	4.0	51
58	Neuronalâ€“Glial Differential Expression of TGF-Î± and Its Receptor in the Dorsal Root Ganglia in Response to Sciatic Nerve Lesion. Experimental Neurology, 1999, 157, 317-326.	4.1	51
59	Lumbar 5 ventral root transection-induced upregulation of nerve growth factor in sensory neurons and their target tissues: a mechanism in neuropathic pain. Molecular and Cellular Neurosciences, 2003, 23, 232-250.	2.2	51
60	ProBDNF inhibits infiltration of ED1+ macrophages after spinal cord injury. Brain, Behavior, and Immunity, 2010, 24, 585-597.	4.1	51
61	ProBDNF and its receptors are upregulated in glioma and inhibit the growth of glioma cells in vitro. Neuro-Oncology, 2013, 15, 990-1007.	1.2	51
62	Substance P-containing sensory neurons in the rat dorsal root ganglia innervate the adrenal medulla. Journal of the Autonomic Nervous System, 1991, 33, 247-254.	1.9	50
63	Nerve Growth Factor, Neuropeptides, and Mast Cells in Ultraviolet-B-Induced Systemic Suppression of Contact Hypersensitivity Responses in Mice. Journal of Investigative Dermatology, 2002, 118, 396-401.	0.7	50
64	Differential effects of proâ€BDNF on sensory neurons after sciatic nerve transection in neonatal rats. European Journal of Neuroscience, 2008, 27, 2380-2390.	2.6	49
65	Intramuscular delivery of a single chain antibody gene reduces brain AÎ² burden in a mouse model of Alzheimer's disease. Neurobiology of Aging, 2009, 30, 364-376.	3.1	49
66	Upregulation of brain-derived neurotrophic factor and neuropeptide Y in the dorsal ascending sensory pathway following sciatic nerve injury in rat. Neuroscience Letters, 1999, 260, 49-52.	2.1	48
67	Peripheral Brain Derived Neurotrophic Factor Precursor Regulates Pain as an Inflammatory Mediator. Scientific Reports, 2016, 6, 27171.	3.3	48
68	Lipopolysaccharide animal models of Parkinsonâ€™s disease: Recent progress and relevance to clinical disease. Brain, Behavior, & Immunity - Health, 2020, 4, 100060.	2.5	48
69	Biphasic Activation of Extracellular Signal-regulated Kinase in Anterior Cingulate Cortex Distinctly Regulates the Development of Pain-related Anxiety and Mechanical Hypersensitivity in Rats after Incision. Anesthesiology, 2011, 115, 604-613.	2.5	48
70	Endogenous BDNF is required for myelination and regeneration of injured sciatic nerve in rodents. European Journal of Neuroscience, 2000, 12, 4171-4180.	2.6	47
71	Primary Sensory Neuron Addition in the Adult Rat Trigeminal Ganglion: Evidence for Neural Crest Glio-Neuronal Precursor Maturation. Journal of Neuroscience, 2007, 27, 7939-7953.	3.6	45
72	Enhanced Aggressive Behaviour in a Mouse Model of Depression. Neurotoxicity Research, 2015, 27, 129-142.	2.7	45

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73	NEUROTROPHIC FACTORS ARE REQUIRED BY MATURE SYMPATHETIC NEURONS FOR SURVIVAL, TRANSMISSION AND CONNECTIVITY. Clinical and Experimental Pharmacology and Physiology, 1997, 24, 549-555.	1.9	43
74	Development of mature BDNFâ€specific sandwich ELISA. Journal of Neurochemistry, 2015, 134, 75-85.	3.9	43
75	Nafamostat mesilate improves function recovery after stroke by inhibiting neuroinflammation in rats. Brain, Behavior, and Immunity, 2016, 56, 230-245.	4.1	43
76	Differential roles of hippocampal glutamatergic receptors in neuropathic anxiety-like behavior after partial sciatic nerve ligation in rats. BMC Neuroscience, 2015, 16, 14.	1.9	40
77	ProBDNF inhibits proliferation, migration and differentiation of mouse neural stem cells. Brain Research, 2017, 1668, 46-55.	2.2	40
78	Clinical Cell Therapy Guidelines for Neurorestoration (IANR/CANR 2017). Cell Transplantation, 2018, 27, 310-324.	2.5	40
79	Roles of neurotrophins in skeletal tissue formation and healing. Journal of Cellular Physiology, 2018, 233, 2133-2145.	4.1	40
80	Injection of brain-derived neurotrophic factor in the rostral ventrolateral medulla increases arterial blood pressure in anaesthetized rats. Neuroscience, 2002, 112, 967-975.	2.3	38
81	Amyloid beta_{1â€“42} (AÎ²₄₂) upâ€regulates the expression of sortilin via the p75<scp>^{NTR}</scp>/RhoA signaling pathway. Journal of Neurochemistry, 2013, 127, 152-162.	3.9	38
82	Accelerated brain aging towards transcriptional inversion in a zebrafish model of the K115fs mutation of human PSEN2. PLoS ONE, 2020, 15, e0227258.	2.5	38
83	BDNF is involved in sympathetic sprouting in the dorsal root ganglia following peripheral nerve injury in rats. Neurotoxicity Research, 1999, 1, 311-322.	2.7	37
84	Differential effects of endogenous brain-derived neurotrophic factor on the survival of axotomized sensory neurons in dorsal root ganglia: A possible role for the p75 neurotrophin receptor. Neuroscience, 2005, 132, 591-603.	2.3	37
85	Roles of glial p75NTR in axonal regeneration. Journal of Neuroscience Research, 2007, 85, 1601-1605.	2.9	37
86	The ProNGF/p75NTR pathway induces tau pathology and is a therapeutic target for FTLD-tau. Molecular Psychiatry, 2018, 23, 1813-1824.	7.9	37
87	Brain-Derived Neurotrophic Factor Precursor in the Hippocampus Regulates Both Depressive and Anxiety-Like Behaviors in Rats. Frontiers in Psychiatry, 2018, 9, 776.	2.6	37
88	Intramuscular delivery of a single chain antibody gene prevents brain AÎ² deposition and cognitive impairment in a mouse model of Alzheimerâ€™s disease. Brain, Behavior, and Immunity, 2010, 24, 1281-1293.	4.1	35
89	MicroRNA-143 expression in dorsal root ganglion neurons. Cell and Tissue Research, 2011, 346, 163-173.	2.9	35
90	Mature BDNF promotes the growth of glioma cells in vitro. Oncology Reports, 2013, 30, 2719-2724.	2.6	35

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91	Rat Mature Sympathetic Neurones Derive Neurotrophin 3 from Peripheral Effector Tissues. European Journal of Neuroscience, 1997, 9, 2753-2764.	2.6	33
92	The blockage of the Nogo/NgR signal pathway in microglia alleviates the formation of AÎ² plaques and tau phosphorylation in APP/PS1 transgenic mice. Journal of Neuroinflammation, 2016, 13, 56.	7.2	33
93	Development of a novel oral delivery system of edaravone for enhancing bioavailability. International Journal of Pharmaceutics, 2016, 515, 490-500.	5.2	33
94	Neurotrophin receptor p75 mediates amyloid Î²-induced tau pathology. Neurobiology of Disease, 2019, 132, 104567.	4.4	33
95	Endogenous nerve growth factor and neurotrophin-3 act simultaneously to ensure the survival of postnatal sympathetic neurons in vivo. Neuroscience, 1998, 83, 373-380.	2.3	32
96	Effects of (Ã¢Ë†â€™)Epicatechin on the Pathology of APP/PS1 Transgenic Mice. Frontiers in Neurology, 2014, 5, 69.	2.4	32
97	Differential levels of p75NTR ectodomain in CSF and blood in patients with Alzheimerâ€™s disease: a novel diagnostic marker. Translational Psychiatry, 2015, 5, e650-e650.	4.8	32
98	Curcumin-loaded self-nanomicellizing solid dispersion system: part II: in vivo safety and efficacy assessment against behavior deficit in Alzheimer disease. Drug Delivery and Translational Research, 2018, 8, 1406-1420.	5.8	32
99	Endogenous nerve growth factor is required for regulation of the low affinity neurotrophin receptor (p75) in sympathetic but not sensory ganglia. Journal of Comparative Neurology, 1996, 372, 37-48.	1.6	30
100	Effects of proNGF on Neuronal Viability, Neurite Growth and Amyloid-beta Metabolism. Neurotoxicity Research, 2010, 17, 257-267.	2.7	30
101	Anterior cingulate cortical lesion attenuates food foraging in rats. Brain Research Bulletin, 2012, 88, 602-608.	3.0	30
102	Deletion of TRIM32 protects mice from anxietyâ€•and depressionâ€‐like behaviors under mild stress. European Journal of Neuroscience, 2014, 40, 2680-2690.	2.6	30
103	Panax notoginsenoside saponins Rb1 regulates the expressions of Akt/ mTOR/PTEN signals in the hippocampus after focal cerebral ischemia in rats. Behavioural Brain Research, 2018, 345, 83-92.	2.2	30
104	Transplantation of NSCs with OECs alleviates neuropathic pain associated with NGF downregulation in rats following spinal cord injury. Neuroscience Letters, 2013, 549, 103-108.	2.1	29
105	The Intracellular Domain of Sortilin Interacts with Amyloid Precursor Protein and Regulates Its Lysosomal and Lipid Raft Trafficking. PLoS ONE, 2013, 8, e63049.	2.5	29
106	Intramuscular delivery of p75<scp>NTR</scp> ectodomain by an <scp>AAV</scp> vector attenuates cognitive deficits and Alzheimer's diseaseâ€‐like pathologies in APP/<scp>PS</scp>1 transgenic mice. Journal of Neurochemistry, 2016, 138, 163-173.	3.9	29
107	Edaravone neuroprotection effected by suppressing the gene expression of the Fas signal pathway following transient focal ischemia in rats. Neurotoxicity Research, 2007, 12, 155-162.	2.7	28
108	Huntingtin associated protein 1 regulates trafficking of the amyloid precursor protein and modulates amyloid beta levels in neurons. Journal of Neurochemistry, 2012, 122, 1010-1022.	3.9	28

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109	Huntingtin-associated protein-1 (HAP1) regulates endocytosis and interacts with multiple trafficking-related proteins. Cellular Signalling, 2017, 35, 176-187.	3.6	28
110	Sortilin Fragments Deposit at Senile Plaques in Human Cerebrum. Frontiers in Neuroanatomy, 2017, 11, 45.	1.7	28
111	Nafamostat mesilate attenuates inflammation and apoptosis and promotes locomotor recovery after spinal cord injury. CNS Neuroscience and Therapeutics, 2018, 24, 429-438.	3.9	28
112	Curcumin-loaded self-nanomicellizing solid dispersion system: part I: development, optimization, characterization, and oral bioavailability. Drug Delivery and Translational Research, 2018, 8, 1389-1405.	5.8	28
113	An overview on small molecule-induced differentiation of mesenchymal stem cells into beta cells for diabetic therapy. Stem Cell Research and Therapy, 2019, 10, 293.	5.5	28
114	Antidepressant Drugs Correct the Imbalance Between proBDNF/p75NTR/Sortilin and Mature BDNF/TrkB in the Brain of Mice with Chronic Stress. Neurotoxicity Research, 2020, 37, 171-182.	2.7	28
115	Huntingtin-associated protein 1 regulates postnatal neurogenesis and neurotrophin receptor sorting. Journal of Clinical Investigation, 2014, 124, 85-98.	8.2	28
116	Effects of electro-acupuncture on the expression of c-jun and c-fos in spared dorsal root ganglion and associated spinal laminae following removal of adjacent dorsal root ganglia in cats. Neuroscience, 2006, 140, 1169-1176.	2.3	27
117	Upregulation of brain-derived neurotrophic factor in the sensory pathway by selective motor nerve injury in adult rats. Neurotoxicity Research, 2006, 9, 269-283.	2.7	27
118	Huntingtinâ€associated protein 1 regulates exocytosis, vesicle docking, readily releasable pool size and fusion pore stability in mouse chromaffin cells. Journal of Physiology, 2014, 592, 1505-1518.	2.9	27
119	Mature brain-derived neurotrophic factor and its receptor TrkB are upregulated in human glioma tissues. Oncology Letters, 2015, 10, 223-227.	1.8	27
120	Injection of Anti-proBDNF in Anterior Cingulate Cortex (ACC) Reverses Chronic Stress-Induced Adverse Mood Behaviors in Mice. Neurotoxicity Research, 2017, 31, 298-308.	2.7	27
121	Investigation of Mature BDNF and proBDNF Signaling in a Rat Photothrombotic Ischemic Model. Neurochemical Research, 2018, 43, 637-649.	3.3	27
122	p75 neurotrophin receptor interacts with and promotes BACE1 localization in endosomes aggravating amyloidogenesis. Journal of Neurochemistry, 2018, 144, 302-317.	3.9	27
123	Peripheral projections of rat primary sensory neurons immunoreactive for neurotrophin 3. Journal of Comparative Neurology, 1995, 363, 69-77.	1.6	26
124	Treatment of spinal cord injury with co-grafts of genetically modified schwann cells and fetal spinal cord cell suspension in the rat. Neurotoxicity Research, 2005, 7, 169-177.	2.7	26
125	The Activation of NMDA Receptorâ€“ERK Pathway in the Central Amygdala is Required for the Expression of Morphine-Conditioned Place Preference in the Rat. Neurotoxicity Research, 2011, 20, 362-371.	2.7	26
126	SNAP25 Ameliorates Sensory Deficit in Rats with Spinal Cord Transection. Molecular Neurobiology, 2014, 50, 290-304.	4.0	26

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127	Investigation of tyrosine hydroxylase and BDNF in a low-dose rotenone model of Parkinson's disease. Journal of Chemical Neuroanatomy, 2015, 70, 33-41.	2.1	26
128	Associations Between ApoEÎµ4 Carrier Status and Serum BDNF Levelsâ€"New Insights into the Molecular Mechanism of ApoEÎµ4 Actions in Alzheimerâ€™s Disease. Molecular Neurobiology, 2015, 51, 1271-1277.	4.0	26
129	miRNA-7a-2-3p Inhibits Neuronal Apoptosis in Oxygen-Glucose Deprivation (OGD) Model. Frontiers in Neuroscience, 2019, 13, 16.	2.8	26
130	Substance P increases catecholamine secretion from perfused rat adrenal glands evoked by prolonged field stimulation.. Journal of Physiology, 1990, 425, 321-334.	2.9	25
131	Upregulation of eIF-5A1 in the paralyzed muscle after spinal cord transection associates with spontaneous hindlimb locomotor recovery in rats by upregulation of the ErbB, MAPK and neurotrophin signal pathways. Journal of Proteomics, 2013, 91, 188-199.	2.4	25
132	Brain-derived neurotrophic factor precursor in the immune system is a novel target for treating multiple sclerosis. Theranostics, 2021, 11, 715-730.	10.0	24
133	Endogenous neurotrophin-3 supports the survival of a subpopulation of sensory neurons in neonatal rat. Neuroscience, 1998, 86, 1155-1164.	2.3	23
134	Huntingtinâ€associated proteinâ€1 is a synapsin Iâ€binding protein regulating synaptic vesicle exocytosis and synapsin I trafficking. Journal of Neurochemistry, 2016, 138, 710-721.	3.9	23
135	Mice with Sort1 deficiency display normal cognition but elevated anxiety-like behavior. Experimental Neurology, 2016, 281, 99-108.	4.1	23
136	Nafamostat Mesilate Improves Neurological Outcome and Axonal Regeneration after Stroke in Rats. Molecular Neurobiology, 2017, 54, 4217-4231.	4.0	23
137	Lipid-based nanosystem of edaravone: development, optimization, characterization and in vitro/in vivo evaluation. Drug Delivery, 2017, 24, 962-978.	5.7	23
138	Scutellarin Mitigates AÎ²-Induced Neurotoxicity and Improves Behavior Impairments in AD Mice. Molecules, 2018, 23, 869.	3.8	23
139	Vi4-miR-185-5p-Igfbp3 Network Protects the Brain From Neonatal Hypoxic Ischemic Injury via Promoting Neuron Survival and Suppressing the Cell Apoptosis. Frontiers in Cell and Developmental Biology, 2020, 8, 529544.	3.7	23
140	Lack of Effects of Transforming Growth Factor-Î± Gene Knockout on Peripheral Nerve Regeneration May Result from Compensatory Mechanisms. Experimental Neurology, 2001, 172, 182-188.	4.1	22
141	Surgical Incision Induces Anxiety-Like Behavior and Amygdala Sensitization: Effects of Morphine and Gabapentin. Pain Research and Treatment, 2010, 2010, 1-9.	1.7	22
142	Macrophage presence is essential for the regeneration of ascending afferent fibres following a conditioning sciatic nerve lesion in adult rats. BMC Neuroscience, 2011, 12, 11.	1.9	22
143	Effects of Panax notoginseng ginsenoside Rb1 on abnormal hippocampal microenvironment in rats. Journal of Ethnopharmacology, 2017, 202, 138-146.	4.1	22
144	Peptide regulation of adrenal medullary function. , 1990, 29, 77-89.		22

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145	Substance P Interactions with the Nicotinic Response. Annals of the New York Academy of Sciences, 1991, 632, 249-262.	3.8	21
146	Distribution of neurturin mRNA and immunoreactivity in the peripheral tissues of adult rats. Brain Research, 1999, 835, 247-258.	2.2	21
147	Axonal transport of BDNF precursor in primary sensory neurons. European Journal of Neuroscience, 2006, 24, 2444-2452.	2.6	21
148	The p75NTR extracellular domain. Prion, 2011, 5, 161-163.	1.8	21
149	proNGF inhibits proliferation and oligodendrogenesis of postnatal hippocampal neural stem/progenitor cells through p75NTR in vitro. Stem Cell Research, 2013, 11, 874-887.	0.7	21
150	Reciprocal Induction Between Î±-Synuclein and Î²-Amyloid in Adult Rat Neurons. Neurotoxicity Research, 2013, 23, 69-78.	2.7	21
151	BDNF Val66Met in preclinical Alzheimer's disease is associated with short-term changes in episodic memory and hippocampal volume but not serum mBDNF. International Psychogeriatrics, 2017, 29, 1825-1834.	1.0	21
152	Small Molecules for Neural Stem Cell Induction. Stem Cells and Development, 2018, 27, 297-312.	2.1	21
153	Distribution of Brain-Derived Neurotrophic Factor in Cranial and Spinal Ganglia. Experimental Neurology, 1998, 149, 237-242.	4.1	20
154	Treating skeletal pain: limitations of conventional anti-inflammatory drugs, and anti-neurotrophic factor as a possible alternative. Nature Clinical Practice Rheumatology, 2009, 5, 92-98.	3.2	20
155	Modified Immunotherapies Against Alzheimer's Disease: Toward Safer and Effective Amyloid-Î² Clearance. Journal of Alzheimer's Disease, 2010, 21, 1065-1075.	2.6	20
156	The relationship between single nucleotide polymorphisms of the NTRK2 gene and sporadic Alzheimer's disease in the Chinese Han population. Neuroscience Letters, 2013, 550, 55-59.	2.1	20
157	ProBDNF/p75NTR/sortilin pathway is activated in peripheral blood of patients with alcohol dependence. Translational Psychiatry, 2017, 7, 2.	4.8	20
158	The regulatory role of ProBDNF in monocyte function: Implications in Stanford typeâ€A aortic dissection disease. FASEB Journal, 2020, 34, 2541-2553.	0.5	20
159	Coating Materials for Neural Stem/Progenitor Cell Culture and Differentiation. Stem Cells and Development, 2020, 29, 463-474.	2.1	20
160	Brain-derived neurotrophic factor and its related enzymes and receptors play important roles after hypoxic-ischemic brain damage. Neural Regeneration Research, 2021, 16, 1453.	3.0	20
161	Substance P modulates the time course of nicotinic but not muscarinic catecholamine secretion from perfused adrenal glands of rat. British Journal of Pharmacology, 1991, 104, 159-165.	5.4	19
162	proBDNF Accelerates Brain Amyloid-Î² Deposition and Learning and Memory Impairment in APPswePS1dE9 Transgenic Mice. Journal of Alzheimer's Disease, 2017, 59, 941-949.	2.6	19

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163	Cellular Trafficking of Amyloid Precursor Protein in Amyloidogenesis Physiological and Pathological Significance. Molecular Neurobiology, 2019, 56, 812-830.	4.0	19
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