

# Xin-Fu Zhou

## List of Publications by Citations

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266  
papers

7,976  
citations

47  
h-index

74  
g-index

281  
ext. papers

8,975  
ext. citations

4.8  
avg, IF

5.91  
L-index

#	Paper	IF	Citations
266	Endogenous brain-derived neurotrophic factor is anterogradely transported in primary sensory neurons. <i>Neuroscience</i> , <b>1996</b> , 74, 945-53	3.9	258
265	Deprivation of endogenous brain-derived neurotrophic factor results in impairment of spatial learning and memory in adult rats. <i>Brain Research</i> , <b>1999</b> , 835, 259-65	3.7	239
264	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. <i>European Journal of Neuroscience</i> , <b>1999</b> , 11, 1711-22	3.5	182
263	Endogenous BDNF is required for myelination and regeneration of injured sciatic nerve in rodents. <i>European Journal of Neuroscience</i> , <b>2000</b> , 12, 4171-80	3.5	178
262	Differential expression of the p75 nerve growth factor receptor in glia and neurons of the rat dorsal root ganglia after peripheral nerve transection. <i>Journal of Neuroscience</i> , <b>1996</b> , 16, 2901-11	6.6	170
261	Consumption of grape seed extract prevents amyloid-beta deposition and attenuates inflammation in brain of an Alzheimer's disease mouse. <i>Neurotoxicity Research</i> , <b>2009</b> , 15, 3-14	4.3	164
260	Clearance of amyloid-beta in Alzheimer's disease: progress, problems and perspectives. <i>Drug Discovery Today</i> , <b>2006</b> , 11, 931-8	8.8	154
259	Injured primary sensory neurons switch phenotype for brain-derived neurotrophic factor in the rat. <i>Neuroscience</i> , <b>1999</b> , 92, 841-53	3.9	138
258	Increased brain-derived neurotrophic factor immunoreactivity in rat dorsal root ganglia and spinal cord following peripheral inflammation. <i>Brain Research</i> , <b>1997</b> , 764, 269-72	3.7	125
257	Isolation and characterization of neural crest progenitors from adult dorsal root ganglia. <i>Stem Cells</i> , <b>2007</b> , 25, 2053-65	5.8	122
256	Physiological amyloid-beta clearance in the periphery and its therapeutic potential for Alzheimer's disease. <i>Acta Neuropathologica</i> , <b>2015</b> , 130, 487-99	14.3	114
255	Hyperalgesia due to nerve damage: role of nerve growth factor. <i>Pain</i> , <b>1999</b> , 81, 245-255	8	108
254	ProBDNF collapses neurite outgrowth of primary neurons by activating RhoA. <i>PLoS ONE</i> , <b>2012</b> , 7, e35883	3.7	107
253	TNF-alpha mediates p38 MAP kinase activation and negatively regulates bone formation at the injured growth plate in rats. <i>Journal of Bone and Mineral Research</i> , <b>2006</b> , 21, 1075-88	6.3	103
252	Neurotrophins from dorsal root ganglia trigger allodynia after spinal nerve injury in rats. <i>European Journal of Neuroscience</i> , <b>2000</b> , 12, 100-5	3.5	101
251	Brain-derived neurotrophic factor protects against tau-related neurodegeneration of Alzheimer's disease. <i>Translational Psychiatry</i> , <b>2016</b> , 6, e907	8.6	100
250	Upregulation of blood proBDNF and its receptors in major depression. <i>Journal of Affective Disorders</i> , <b>2013</b> , 150, 776-84	6.6	95

249	Localization of neurotrophin-3-like immunoreactivity in the rat central nervous system. <i>Brain Research</i> , <b>1994</b> , 643, 162-72	3.7	93
248	Edaravone alleviates Alzheimer's disease-type pathologies and cognitive deficits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 5225-30	11.5	91
247	Suppression of p75NTR does not promote regeneration of injured spinal cord in mice. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 542-6	6.6	91
246	Distribution of trkB tyrosine kinase immunoreactivity in the rat central nervous system. <i>Brain Research</i> , <b>1993</b> , 622, 63-70	3.7	91
245	Peripherally-derived BDNF promotes regeneration of ascending sensory neurons after spinal cord injury. <i>PLoS ONE</i> , <b>2008</b> , 3, e1707	3.7	81
244	Effect of lumbar 5 ventral root transection on pain behaviors: a novel rat model for neuropathic pain without axotomy of primary sensory neurons. <i>Experimental Neurology</i> , <b>2002</b> , 175, 23-34	5.7	78
243	Sympathetic neurons in neonatal rats require endogenous neurotrophin-3 for survival. <i>Journal of Neuroscience</i> , <b>1995</b> , 15, 6521-30	6.6	78
242	Roles of transforming growth factor-alpha and related molecules in the nervous system. <i>Molecular Neurobiology</i> , <b>1999</b> , 20, 157-83	6.2	75
241	p75NTR regulates Abeta deposition by increasing Abeta production but inhibiting Abeta aggregation with its extracellular domain. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 2292-304	6.6	72
240	Grape seed polyphenols and curcumin reduce genomic instability events in a transgenic mouse model for Alzheimer's disease. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2009</b> , 661, 25-34	3.3	71
239	Localization of neurotrophin-3-like immunoreactivity in peripheral tissues of the rat. <i>Brain Research</i> , <b>1993</b> , 621, 189-99	3.7	71
238	Ultrastructural localization of brain-derived neurotrophic factor in rat primary sensory neurons. <i>Neuroscience Research</i> , <b>2001</b> , 39, 377-84	2.9	69
237	Distribution and localization of pro-brain-derived neurotrophic factor-like immunoreactivity in the peripheral and central nervous system of the adult rat. <i>Journal of Neurochemistry</i> , <b>2004</b> , 91, 704-15	6	68
236	Effects of endogenous neurotrophins on sympathetic sprouting in the dorsal root ganglia and allodynia following spinal nerve injury. <i>Experimental Neurology</i> , <b>2000</b> , 164, 344-50	5.7	68
235	Clearance of amyloid-beta in Alzheimer's disease: shifting the action site from center to periphery. <i>Molecular Neurobiology</i> , <b>2015</b> , 51, 1-7	6.2	66
234	ProBDNF Signaling Regulates Depression-Like Behaviors in Rodents under Chronic Stress. <i>Neuropsychopharmacology</i> , <b>2016</b> , 41, 2882-2892	8.7	66
233	p75NTR ectodomain is a physiological neuroprotective molecule against amyloid-beta toxicity in the brain of Alzheimer's disease. <i>Molecular Psychiatry</i> , <b>2015</b> , 20, 1301-10	15.1	64
232	Roles of brain-derived neurotrophic factor/tropomyosin-related kinase B (BDNF/TrkB) signalling in Alzheimer's disease. <i>Journal of Clinical Neuroscience</i> , <b>2012</b> , 19, 946-9	2.2	64

231	Knockout of p75(NTR) impairs re-myelination of injured sciatic nerve in mice. <i>Journal of Neurochemistry</i> , <b>2006</b> , 96, 833-42	6	64
230	Actions of brain-derived neurotrophic factor on spinal nociceptive transmission during inflammation in the rat. <i>Journal of Physiology</i> , <b>2005</b> , 569, 685-95	3.9	64
229	Nogo-66 inhibits adhesion and migration of microglia via GTPase Rho pathway in vitro. <i>Journal of Neurochemistry</i> , <b>2012</b> , 120, 721-31	6	61
228	An improved procedure for the immunohistochemical localization of nerve growth factor-like immunoreactivity. <i>Journal of Neuroscience Methods</i> , <b>1994</b> , 54, 95-102	3	60
227	Small primary sensory neurons innervating epidermis and viscera display differential phenotype in the adult rat. <i>Neuroscience Research</i> , <b>2001</b> , 41, 355-63	2.9	59
226	Peritoneal dialysis reduces amyloid-beta plasma levels in humans and attenuates Alzheimer-associated phenotypes in an APP/PS1 mouse model. <i>Acta Neuropathologica</i> , <b>2017</b> , 134, 207-220	11.3	56
225	Huntingtin-associated protein-1 interacts with pro-brain-derived neurotrophic factor and mediates its transport and release. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 5614-23	5.4	56
224	Detection of increased tissue concentrations of nerve growth factor with an improved extraction procedure. <i>Journal of Neuroscience Research</i> , <b>1996</b> , 46, 581-94	4.4	56
223	EGF family of growth factors: essential roles and functional redundancy in the nerve system. <i>Frontiers in Bioscience - Landmark</i> , <b>2004</b> , 9, 85-92	2.8	53
222	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. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 16272-84	5.4	51
221	Development of anxiety-like behavior via hippocampal IGF-2 signaling in the offspring of parental morphine exposure: effect of enriched environment. <i>Neuropsychopharmacology</i> , <b>2014</b> , 39, 2777-87	8.7	47
220	Endogenous proBDNF is a negative regulator of migration of cerebellar granule cells in neonatal mice. <i>European Journal of Neuroscience</i> , <b>2011</b> , 33, 1376-84	3.5	47
219	Differential effects of pro-BDNF on sensory neurons after sciatic nerve transection in neonatal rats. <i>European Journal of Neuroscience</i> , <b>2008</b> , 27, 2380-90	3.5	47
218	Pericellular Griffonia simplicifolia I isolectin B4-binding ring structures in the dorsal root ganglia following peripheral nerve injury in rats. <i>Journal of Comparative Neurology</i> , <b>2001</b> , 439, 259-74	3.4	47
217	Upregulation of brain-derived neurotrophic factor and neuropeptide Y in the dorsal ascending sensory pathway following sciatic nerve injury in rat. <i>Neuroscience Letters</i> , <b>1999</b> , 260, 49-52	3.3	47
216	Functional roles of neurotrophin 3 in the developing and mature sympathetic nervous system. <i>Molecular Neurobiology</i> , <b>1996</b> , 13, 185-97	6.2	47
215	Intramuscular delivery of a single chain antibody gene reduces brain Abeta burden in a mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2009</b> , 30, 364-76	5.6	46
214	Lumbar 5 ventral root transection-induced upregulation of nerve growth factor in sensory neurons and their target tissues: a mechanism in neuropathic pain. <i>Molecular and Cellular Neurosciences</i> , <b>2003</b> , 23, 232-50	4.8	46

213	Roles of p75NTR in the pathogenesis of Alzheimer's disease: a novel therapeutic target. <i>Biochemical Pharmacology</i> , <b>2011</b> , 82, 1500-9	6	45
212	Substance P-containing sensory neurons in the rat dorsal root ganglia innervate the adrenal medulla. <i>Journal of the Autonomic Nervous System</i> , <b>1991</b> , 33, 247-54		45
211	Endogenous BDNF is required for myelination and regeneration of injured sciatic nerve in rodents. <i>European Journal of Neuroscience</i> , <b>2000</b> , 12, 4171-4180	3.5	44
210	Huntingtin associated protein 1 and its functions. <i>Cell Adhesion and Migration</i> , <b>2009</b> , 3, 71-6	3.2	43
209	Nerve growth factor, neuropeptides, and mast cells in ultraviolet-B-induced systemic suppression of contact hypersensitivity responses in mice. <i>Journal of Investigative Dermatology</i> , <b>2002</b> , 118, 396-401	4.3	42
208	ProBDNF inhibits infiltration of ED1+ macrophages after spinal cord injury. <i>Brain, Behavior, and Immunity</i> , <b>2010</b> , 24, 585-97	16.6	41
207	Neuronal-glia differential expression of TGF-alpha and its receptor in the dorsal root ganglia in response to sciatic nerve lesion. <i>Experimental Neurology</i> , <b>1999</b> , 157, 317-26	5.7	41
206	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. <i>Anesthesiology</i> , <b>2011</b> , 115, 604-13	4.3	41
205	miR128-1 inhibits the growth of glioblastoma multiforme and glioma stem-like cells via targeting BMI1 and E2F3. <i>Oncotarget</i> , <b>2016</b> , 7, 78813-78826	3.3	41
204	Neurotrophic factors are required by mature sympathetic neurons for survival, transmission and connectivity. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>1997</b> , 24, 549-55	3	40
203	Direct Reprogramming of Mouse Fibroblasts to Neural Stem Cells by Small Molecules. <i>Stem Cells International</i> , <b>2016</b> , 2016, 4304916	5	39
202	Primary sensory neuron addition in the adult rat trigeminal ganglion: evidence for neural crest glyo-neuronal precursor maturation. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 7939-53	6.6	37
201	Enhanced aggressive behaviour in a mouse model of depression. <i>Neurotoxicity Research</i> , <b>2015</b> , 27, 129-42	4.3	36
200	Roles of glial p75NTR in axonal regeneration. <i>Journal of Neuroscience Research</i> , <b>2007</b> , 85, 1601-5	4.4	36
199	Urine-derived cells for human cell therapy. <i>Stem Cell Research and Therapy</i> , <b>2018</b> , 9, 189	8.3	35
198	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. <i>Neuroscience</i> , <b>2005</b> , 132, 591-603	3.9	35
197	Injection of brain-derived neurotrophic factor in the rostral ventrolateral medulla increases arterial blood pressure in anaesthetized rats. <i>Neuroscience</i> , <b>2002</b> , 112, 967-75	3.9	35
196	Nafamostat mesilate improves function recovery after stroke by inhibiting neuroinflammation in rats. <i>Brain, Behavior, and Immunity</i> , <b>2016</b> , 56, 230-45	16.6	34

195	BDNF is involved in sympathetic sprouting in the dorsal root ganglia following peripheral nerve injury in rats. <i>Neurotoxicity Research</i> , <b>2000</b> , 1, 311-22	4.3	34
194	Peripheral Brain Derived Neurotrophic Factor Precursor Regulates Pain as an Inflammatory Mediator. <i>Scientific Reports</i> , <b>2016</b> , 6, 27171	4.9	33
193	Development of mature BDNF-specific sandwich ELISA. <i>Journal of Neurochemistry</i> , <b>2015</b> , 134, 75-85	6	33
192	Intramuscular delivery of a single chain antibody gene prevents brain A $\beta$ deposition and cognitive impairment in a mouse model of Alzheimer's disease. <i>Brain, Behavior, and Immunity</i> , <b>2010</b> , 24, 1281-93	16.6	33
191	Neurotrophin-3 Induces BMP-2 and VEGF Activities and Promotes the Bony Repair of Injured Growth Plate Cartilage and Bone in Rats. <i>Journal of Bone and Mineral Research</i> , <b>2016</b> , 31, 1258-74	6.3	32
190	Amyloid beta $\beta$ 1-42 up-regulates the expression of sortilin via the p75(NTR)/RhoA signaling pathway. <i>Journal of Neurochemistry</i> , <b>2013</b> , 127, 152-62	6	32
189	ProBDNF and its receptors are upregulated in glioma and inhibit the growth of glioma cells in vitro. <i>Neuro-Oncology</i> , <b>2013</b> , 15, 990-1007	1	32
188	Endogenous nerve growth factor and neurotrophin-3 act simultaneously to ensure the survival of postnatal sympathetic neurons in vivo. <i>Neuroscience</i> , <b>1998</b> , 83, 373-80	3.9	32
187	Differential roles of hippocampal glutamatergic receptors in neuropathic anxiety-like behavior after partial sciatic nerve ligation in rats. <i>BMC Neuroscience</i> , <b>2015</b> , 16, 14	3.2	31
186	Rat mature sympathetic neurones derive neurotrophin 3 from peripheral effector tissues. <i>European Journal of Neuroscience</i> , <b>1997</b> , 9, 2753-64	3.5	31
185	Effects of proNGF on neuronal viability, neurite growth and amyloid-beta metabolism. <i>Neurotoxicity Research</i> , <b>2010</b> , 17, 257-67	4.3	30
184	MicroRNA-143 expression in dorsal root ganglion neurons. <i>Cell and Tissue Research</i> , <b>2011</b> , 346, 163-73	4.2	29
183	The ProNGF/p75NTR pathway induces tau pathology and is a therapeutic target for FTLT-tau. <i>Molecular Psychiatry</i> , <b>2018</b> , 23, 1813-1824	15.1	28
182	Effects of (-)Epicatechin on the Pathology of APP/PS1 Transgenic Mice. <i>Frontiers in Neurology</i> , <b>2014</b> , 5, 69	4.1	28
181	Endogenous nerve growth factor is required for regulation of the low affinity neurotrophin receptor (p75) in sympathetic but not sensory ganglia. <i>Journal of Comparative Neurology</i> , <b>1996</b> , 372, 37-48	3.4	28
180	ProBDNF inhibits proliferation, migration and differentiation of mouse neural stem cells. <i>Brain Research</i> , <b>2017</b> , 1668, 46-55	3.7	27
179	Panax notoginsenoside saponins Rb1 regulates the expressions of Akt/ mTOR/PTEN signals in the hippocampus after focal cerebral ischemia in rats. <i>Behavioural Brain Research</i> , <b>2018</b> , 345, 83-92	3.4	27
178	Neural Stem Cell Transplantation Promotes Functional Recovery from Traumatic Brain Injury via Brain Derived Neurotrophic Factor-Mediated Neuroplasticity. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 2696-2711	6.2	27

177	Edaravone neuroprotection effected by suppressing the gene expression of the Fas signal pathway following transient focal ischemia in rats. <i>Neurotoxicity Research</i> , <b>2007</b> , 12, 155-62	4.3	27
176	Development of a novel oral delivery system of edaravone for enhancing bioavailability. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 515, 490-500	6.5	26
175	Huntingtin associated protein 1 regulates trafficking of the amyloid precursor protein and modulates amyloid beta levels in neurons. <i>Journal of Neurochemistry</i> , <b>2012</b> , 122, 1010-22	6	26
174	Mature BDNF promotes the growth of glioma cells in vitro. <i>Oncology Reports</i> , <b>2013</b> , 30, 2719-24	3.5	26
173	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. <i>Neuroscience</i> , <b>2006</b> , 140, 1169-76	3.9	26
172	The blockage of the Nogo/NgR signal pathway in microglia alleviates the formation of A $\beta$ plaques and tau phosphorylation in APP/PS1 transgenic mice. <i>Journal of Neuroinflammation</i> , <b>2016</b> , 13, 56	10.1	26
171	Clinical Cell Therapy Guidelines for Neurorestoration (IANR/CANR 2017). <i>Cell Transplantation</i> , <b>2018</b> , 27, 310-324	4	25
170	Peripheral projections of rat primary sensory neurons immunoreactive for neurotrophin 3. <i>Journal of Comparative Neurology</i> , <b>1995</b> , 363, 69-77	3.4	25
169	p75 neurotrophin receptor interacts with and promotes BACE1 localization in endosomes aggravating amyloidogenesis. <i>Journal of Neurochemistry</i> , <b>2018</b> , 144, 302-317	6	24
168	Injection of Anti-proBDNF in Anterior Cingulate Cortex (ACC) Reverses Chronic Stress-Induced Adverse Mood Behaviors in Mice. <i>Neurotoxicity Research</i> , <b>2017</b> , 31, 298-308	4.3	23
167	Brain-Derived Neurotrophic Factor Precursor in the Hippocampus Regulates Both Depressive and Anxiety-Like Behaviors in Rats. <i>Frontiers in Psychiatry</i> , <b>2018</b> , 9, 776	5	23
166	Roles of neurotrophins in skeletal tissue formation and healing. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 2133-2145	7	23
165	Huntingtin-associated protein 1 regulates exocytosis, vesicle docking, readily releasable pool size and fusion pore stability in mouse chromaffin cells. <i>Journal of Physiology</i> , <b>2014</b> , 592, 1505-18	3.9	23
164	Deletion of TRIM32 protects mice from anxiety- and depression-like behaviors under mild stress. <i>European Journal of Neuroscience</i> , <b>2014</b> , 40, 2680-90	3.5	23
163	Investigation of tyrosine hydroxylase and BDNF in a low-dose rotenone model of Parkinson's disease. <i>Journal of Chemical Neuroanatomy</i> , <b>2015</b> , 70, 33-41	3.2	23
162	Upregulation of brain-derived neurotrophic factor in the sensory pathway by selective motor nerve injury in adult rats. <i>Neurotoxicity Research</i> , <b>2006</b> , 9, 269-83	4.3	23
161	Treatment of spinal cord injury with co-grafts of genetically modified Schwann cells and fetal spinal cord cell suspension in the rat. <i>Neurotoxicity Research</i> , <b>2005</b> , 7, 169-77	4.3	23
160	SNAP25 ameliorates sensory deficit in rats with spinal cord transection. <i>Molecular Neurobiology</i> , <b>2014</b> , 50, 290-304	6.2	22



159	Transplantation of NSCs with OECs alleviates neuropathic pain associated with NGF downregulation in rats following spinal cord injury. <i>Neuroscience Letters</i> , <b>2013</b> , 549, 103-8	3.3	22
158	Anterior cingulate cortical lesion attenuates food foraging in rats. <i>Brain Research Bulletin</i> , <b>2012</b> , 88, 602-8	3.9	22
157	The activation of NMDA receptor-ERK pathway in the central amygdala is required for the expression of morphine-conditioned place preference in the rat. <i>Neurotoxicity Research</i> , <b>2011</b> , 20, 362-7	4.3	22
156	Substance P increases catecholamine secretion from perfused rat adrenal glands evoked by prolonged field stimulation. <i>Journal of Physiology</i> , <b>1990</b> , 425, 321-34	3.9	22
155	Curcumin-loaded self-nanomicellizing solid dispersion system: part I: development, optimization, characterization, and oral bioavailability. <i>Drug Delivery and Translational Research</i> , <b>2018</b> , 8, 1389-1405	6.2	21
154	Neurotrophin receptor p75 mediates amyloid $\beta$ -induced tau pathology. <i>Neurobiology of Disease</i> , <b>2019</b> , 132, 104567	7.5	21
153	The intracellular domain of sortilin interacts with amyloid precursor protein and regulates its lysosomal and lipid raft trafficking. <i>PLoS ONE</i> , <b>2013</b> , 8, e63049	3.7	21
152	Axonal transport of BDNF precursor in primary sensory neurons. <i>European Journal of Neuroscience</i> , <b>2006</b> , 24, 2444-52	3.5	21
151	Intramuscular delivery of p75NTR ectodomain by an AAV vector attenuates cognitive deficits and Alzheimer's disease-like pathologies in APP/PS1 transgenic mice. <i>Journal of Neurochemistry</i> , <b>2016</b> , 138, 163-73	6	21
150	Substance P interactions with the nicotinic response. <i>Annals of the New York Academy of Sciences</i> , <b>1991</b> , 632, 249-62	6.5	20
149	Huntingtin-associated protein 1 regulates postnatal neurogenesis and neurotrophin receptor sorting. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 85-98	15.9	20
148	Huntingtin-associated protein-1 (HAP1) regulates endocytosis and interacts with multiple trafficking-related proteins. <i>Cellular Signalling</i> , <b>2017</b> , 35, 176-187	4.9	19
147	Nafamostat mesilate attenuates inflammation and apoptosis and promotes locomotor recovery after spinal cord injury. <i>CNS Neuroscience and Therapeutics</i> , <b>2018</b> , 24, 429-438	6.8	19
146	Investigation of Mature BDNF and proBDNF Signaling in a Rat Photothrombotic Ischemic Model. <i>Neurochemical Research</i> , <b>2018</b> , 43, 637-649	4.6	19
145	Lipid-based nanosystem of edaravone: development, optimization, characterization and in vitro/in vivo evaluation. <i>Drug Delivery</i> , <b>2017</b> , 24, 962-978	7	19
144	Endogenous neurotrophin-3 supports the survival of a subpopulation of sensory neurons in neonatal rat. <i>Neuroscience</i> , <b>1998</b> , 86, 1155-64	3.9	19
143	Distribution of brain-derived neurotrophic factor in cranial and spinal ganglia. <i>Experimental Neurology</i> , <b>1998</b> , 149, 237-42	5.7	19
142	Distribution of neurturin mRNA and immunoreactivity in the peripheral tissues of adult rats. <i>Brain Research</i> , <b>1999</b> , 835, 247-58	3.7	19



141	Peptide regulation of adrenal medullary function. <i>Journal of Neural Transmission Supplementum</i> , <b>1990</b> , 29, 77-89		19
140	Mice with Sort1 deficiency display normal cognition but elevated anxiety-like behavior. <i>Experimental Neurology</i> , <b>2016</b> , 281, 99-108	5.7	19
139	Effects of Panax notoginseng ginsenoside Rb1 on abnormal hippocampal microenvironment in rats. <i>Journal of Ethnopharmacology</i> , <b>2017</b> , 202, 138-146	5	18
138	Associations Between ApoE $\epsilon$ Carrier Status and Serum BDNF Levels--New Insights into the Molecular Mechanism of ApoE $\epsilon$ Actions in Alzheimer's Disease. <i>Molecular Neurobiology</i> , <b>2015</b> , 51, 1271-7	6.2	18
137	Macrophage presence is essential for the regeneration of ascending afferent fibres following a conditioning sciatic nerve lesion in adult rats. <i>BMC Neuroscience</i> , <b>2011</b> , 12, 11	3.2	18
136	Modified immunotherapies against Alzheimer's disease: toward safer and effective amyloid clearance. <i>Journal of Alzheimer's Disease</i> , <b>2010</b> , 21, 1065-75	4.3	18
135	Nafamostat Mesilate Improves Neurological Outcome and Axonal Regeneration after Stroke in Rats. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 4217-4231	6.2	17
134	An overview on small molecule-induced differentiation of mesenchymal stem cells into beta cells for diabetic therapy. <i>Stem Cell Research and Therapy</i> , <b>2019</b> , 10, 293	8.3	17
133	Lipopolysaccharide animal models of Parkinson's disease: Recent progress and relevance to clinical disease. <i>Brain, Behavior, &amp; Immunity - Health</i> , <b>2020</b> , 4, 100060	5.1	17
132	Curcumin-loaded self-nanomicellizing solid dispersion system: part II: in vivo safety and efficacy assessment against behavior deficit in Alzheimer disease. <i>Drug Delivery and Translational Research</i> , <b>2018</b> , 8, 1406-1420	6.2	17
131	The relationship between single nucleotide polymorphisms of the NTRK2 gene and sporadic Alzheimer's disease in the Chinese Han population. <i>Neuroscience Letters</i> , <b>2013</b> , 550, 55-9	3.3	17
130	Reciprocal induction between $\beta$ synuclein and $\beta$ amyloid in adult rat neurons. <i>Neurotoxicity Research</i> , <b>2013</b> , 23, 69-78	4.3	17
129	Sortilin Fragments Deposit at Senile Plaques in Human Cerebrum. <i>Frontiers in Neuroanatomy</i> , <b>2017</b> , 11, 45	3.6	17
128	Downregulation of TrkA expression in primary sensory neurons after unilateral lumbar spinal nerve transection and some rescuing effects of nerve growth factor infusion. <i>Neuroscience Research</i> , <b>2000</b> , 38, 183-91	2.9	17
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