

Zhe-yu Chen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

4,105
citations

28
h-index

51
g-index

51
ext. papers

4,577
ext. citations

6.2
avg, IF

4.86
L-index

#	Paper	IF	Citations
51	Genetic variant BDNF (Val66Met) polymorphism alters anxiety-related behavior. <i>Science</i> , 2006 , 314, 140-333	33.3	1021
50	Variant brain-derived neurotrophic factor (BDNF) (Met66) alters the intracellular trafficking and activity-dependent secretion of wild-type BDNF in neurosecretory cells and cortical neurons. <i>Journal of Neuroscience</i> , 2004 , 24, 4401-11	6.6	717
49	Sortilin controls intracellular sorting of brain-derived neurotrophic factor to the regulated secretory pathway. <i>Journal of Neuroscience</i> , 2005 , 25, 6156-66	6.6	304
48	Variant brain-derived neurotrophic factor Val66Met polymorphism alters vulnerability to stress and response to antidepressants. <i>Journal of Neuroscience</i> , 2012 , 32, 4092-101	6.6	212
47	The role of BDNF in depression on the basis of its location in the neural circuitry. <i>Acta Pharmacologica Sinica</i> , 2011 , 32, 3-11	8	201
46	Cell survival through Trk neurotrophin receptors is differentially regulated by ubiquitination. <i>Neuron</i> , 2006 , 50, 549-59	13.9	161
45	Variant brain-derived neurotrophic factor (Val66Met) alters adult olfactory bulb neurogenesis and spontaneous olfactory discrimination. <i>Journal of Neuroscience</i> , 2008 , 28, 2383-93	6.6	131
44	Variant BDNF Val66Met polymorphism affects extinction of conditioned aversive memory. <i>Journal of Neuroscience</i> , 2009 , 29, 4056-64	6.6	128
43	A novel endocytic recycling signal distinguishes biological responses of Trk neurotrophin receptors. <i>Molecular Biology of the Cell</i> , 2005 , 16, 5761-72	3.5	87
42	Impact of genetic variant BDNF (Val66Met) on brain structure and function. <i>Novartis Foundation Symposium</i> , 2008 , 289, 180-8; discussion 188-95		81
41	microRNAs in spinal cord injury: potential roles and therapeutic implications. <i>International Journal of Biological Sciences</i> , 2014 , 10, 997-1006	11.2	74
40	Blockage of GSK3 β -mediated Drp1 phosphorylation provides neuroprotection in neuronal and mouse models of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015 , 36, 211-27	5.6	64
39	JIP3 mediates TrkB axonal anterograde transport and enhances BDNF signaling by directly bridging TrkB with kinesin-1. <i>Journal of Neuroscience</i> , 2011 , 31, 10602-14	6.6	61
38	Brain-derived neurotrophic factor (BDNF)-induced mitochondrial motility arrest and presynaptic docking contribute to BDNF-enhanced synaptic transmission. <i>Journal of Biological Chemistry</i> , 2014 , 289, 1213-26	5.4	60
37	Region-specific involvement of BDNF secretion and synthesis in conditioned taste aversion memory formation. <i>Journal of Neuroscience</i> , 2011 , 31, 2079-90	6.6	54
36	Slitrk5 Mediates BDNF-Dependent TrkB Receptor Trafficking and Signaling. <i>Developmental Cell</i> , 2015 , 33, 690-702	10.2	53
35	BDNF-dependent recycling facilitates TrkB translocation to postsynaptic density during LTP via a Rab11-dependent pathway. <i>Journal of Neuroscience</i> , 2013 , 33, 9214-30	6.6	53

34	A dietary polyphenol resveratrol acts to provide neuroprotection in recurrent stroke models by regulating AMPK and SIRT1 signaling, thereby reducing energy requirements during ischemia. <i>European Journal of Neuroscience</i> , 2013 , 37, 1669-81	3.5	47
33	Essential role of Hrs in endocytic recycling of full-length TrkB receptor but not its isoform TrkB.T1. <i>Journal of Biological Chemistry</i> , 2009 , 284, 15126-36	5.4	44
32	c-Jun NH2-terminal kinase (JNK)-interacting protein-3 (JIP3) regulates neuronal axon elongation in a kinesin- and JNK-dependent manner. <i>Journal of Biological Chemistry</i> , 2013 , 288, 14531-14543	5.4	41
31	Retinoic acid ameliorates blood-brain barrier disruption following ischemic stroke in rats. <i>Pharmacological Research</i> , 2015 , 99, 125-36	10.2	34
30	Anxiolytic effect of music exposure on BDNF ^{Met/Met} transgenic mice. <i>Brain Research</i> , 2010 , 1347, 71-9	3.7	33
29	Hippocampal Wnt3a is Necessary and Sufficient for Contextual Fear Memory Acquisition and Consolidation. <i>Cerebral Cortex</i> , 2015 , 25, 4062-75	5.1	32
28	Involvement of BDNF signaling transmission from basolateral amygdala to infralimbic prefrontal cortex in conditioned taste aversion extinction. <i>Journal of Neuroscience</i> , 2014 , 34, 7302-13	6.6	32
27	BDNF Val66Met polymorphism and anxiety/depression symptoms in schizophrenia in a Chinese Han population. <i>Psychiatric Genetics</i> , 2013 , 23, 124-9	2.9	30
26	Mechanism underlying activity-dependent insertion of TrkB into the neuronal surface. <i>Journal of Cell Science</i> , 2009 , 122, 3123-36	5.3	30
25	Intracellular trafficking and secretion of cerebral dopamine neurotrophic factor in neurosecretory cells. <i>Journal of Neurochemistry</i> , 2011 , 117, 121-32	6	28
24	Cationic liposome-mediated GDNF gene transfer after spinal cord injury. <i>Journal of Neurotrauma</i> , 2002 , 19, 1081-90	5.4	28
23	Transcriptome profiling analysis of the mechanisms underlying the BDNF Val66Met polymorphism induced dysfunctions of the central nervous system. <i>Hippocampus</i> , 2014 , 24, 65-78	3.5	23
22	Tyrosine kinase receptor B protects against coronary artery disease and promotes adult vasculature integrity by regulating Ets1-mediated VE-cadherin expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 580-8	9.4	20
21	Gypenosides pre-treatment protects the brain against cerebral ischemia and increases neural stem cells/progenitors in the subventricular zone. <i>International Journal of Developmental Neuroscience</i> , 2014 , 33, 49-56	2.7	20
20	HDAC7 Ubiquitination by the E3 Ligase CBX4 Is Involved in Contextual Fear Conditioning Memory Formation. <i>Journal of Neuroscience</i> , 2017 , 37, 3848-3863	6.6	18
19	Region-specific involvement of actin rearrangement-related synaptic structure alterations in conditioned taste aversion memory. <i>Learning and Memory</i> , 2010 , 17, 420-7	2.8	17
18	GDNF isoform affects intracellular trafficking and secretion of GDNF in neuronal cells. <i>Brain Research</i> , 2008 , 1226, 1-7	3.7	17
17	Blocking GSK3 β -mediated dynamin1 phosphorylation enhances BDNF-dependent TrkB endocytosis and the protective effects of BDNF in neuronal and mouse models of Alzheimer's disease. <i>Neurobiology of Disease</i> , 2015 , 74, 377-91	7.5	16

16	Ubiquitin C-Terminal Hydrolase L1 (UCH-L1) Promotes Hippocampus-Dependent Memory via Its Deubiquitinating Effect on TrkB. <i>Journal of Neuroscience</i> , 2017 , 37, 5978-5995	6.6	15
15	Differential involvement of brain-derived neurotrophic factor in reconsolidation and consolidation of conditioned taste aversion memory. <i>PLoS ONE</i> , 2012 , 7, e49942	3.7	15
14	miR-181a Participates in Contextual Fear Memory Formation Via Activating mTOR Signaling Pathway. <i>Cerebral Cortex</i> , 2018 , 28, 3309-3321	5.1	14
13	Myosin Va mediates BDNF-induced postendocytic recycling of full-length TrkB and its translocation into dendritic spines. <i>Journal of Cell Science</i> , 2015 , 128, 1108-22	5.3	14
12	Syntaxin 8 modulates the post-synthetic trafficking of the TrkA receptor and inflammatory pain transmission. <i>Journal of Biological Chemistry</i> , 2014 , 289, 19556-69	5.4	13
11	Sorting protein-related receptor SorLA controls regulated secretion of glial cell line-derived neurotrophic factor. <i>Journal of Biological Chemistry</i> , 2011 , 286, 41871-41882	5.4	11
10	Myosin II regulates actin rearrangement-related structural synaptic plasticity during conditioned taste aversion memory extinction. <i>Brain Structure and Function</i> , 2015 , 220, 813-25	4	10
9	Integrin-linked Kinase is Essential for Environmental Enrichment Enhanced Hippocampal Neurogenesis and Memory. <i>Scientific Reports</i> , 2015 , 5, 11456	4.9	8
8	Up-regulation of c-Jun NH2-terminal kinase-interacting protein 3 (JIP3) contributes to BDNF-enhanced neurotransmitter release. <i>Journal of Neurochemistry</i> , 2015 , 135, 453-65	6	8
7	Endothelial tyrosine kinase receptor B prevents VE-cadherin cleavage and protects against atherosclerotic lesion development in ApoE ^{-/-} mice. <i>Oncotarget</i> , 2015 , 6, 30640-9	3.3	8
6	The neuroprotective and neurorestorative effects of growth differentiation factor 11 in cerebral ischemic injury. <i>Brain Research</i> , 2020 , 1737, 146802	3.7	6
5	Elevating Integrin-linked Kinase expression has rescued hippocampal neurogenesis and memory deficits in an AD animal model. <i>Brain Research</i> , 2018 , 1695, 65-77	3.7	6
4	Uhrf2 deletion impairs the formation of hippocampus-dependent memory by changing the structure of the dentate gyrus. <i>Brain Structure and Function</i> , 2018 , 223, 609-618	4	4
3	Carboxypeptidase E Regulates Activity-Dependent TrkB Neuronal Surface Insertion and Hippocampal Memory. <i>Journal of Neuroscience</i> , 2021 , 41, 6987-7002	6.6	1
2	Evidence for an Interaction Between and Childhood Trauma on Clinical Characters of Schizophrenia With Family History of Psychosis. <i>Frontiers in Psychiatry</i> , 2021 , 12, 608231	5	0
1	BDNF V66M Polymorphism and Brain Functions 2014 , 1621-1631		