

# Jian Guan

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

2,258  
citations

201674

27  
h-index

214800

47  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2377  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effects of IGF-1 Treatment after Hypoxic-Ischemic Brain Injury in Adult Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1993, 13, 609-616.	4.3	199
2	Vascular Degeneration in Parkinson's Disease. <i>Brain Pathology</i> , 2013, 23, 154-164.	4.1	136
3	The Role of Gangliosides in Neurodevelopment. <i>Nutrients</i> , 2015, 7, 3891-3913.	4.1	132
4	Window of Opportunity of Cerebral Hypothermia for Postischemic White Matter Injury in the Near-Term Fetal Sheep. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004, 24, 877-886.	4.3	111
5	Insulin-Like Growth Factor (IGF)-1 Suppresses Oligodendrocyte Caspase-3 Activation and Increases Glial Proliferation after Ischemia in Near-Term Fetal Sheep. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 739-747.	4.3	110
6	Neuronal rescue with transforming growth factor- $\beta$ 1 after hypoxic-ischaemic brain injury. <i>NeuroReport</i> , 1994, 5, 901-904.	1.2	108
7	Insulin-Like Growth Factor-1 Reduces Postischemic White Matter Injury in Fetal Sheep. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001, 21, 493-502.	4.3	105
8	N-terminal tripeptide of IGF-1 (GPE) prevents the loss of TH positive neurons after 6-OHDA induced nigral lesion in rats. <i>Brain Research</i> , 2000, 859, 286-292.	2.2	95
9	Key Neuroprotective Role for Endogenous Adenosine A 1 Receptor Activation During Asphyxia in the Fetal Sheep. <i>Stroke</i> , 2003, 34, 2240-2245.	2.0	94
10	Fetal heart rate variability and brain stem injury after asphyxia in preterm fetal sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 287, R925-R933.	1.8	94
11	The Window of Opportunity for Neuronal Rescue with Insulin-Like Growth Factor-1 after Hypoxia-Ischemia in Rats is Critically Modulated by Cerebral Temperature during Recovery. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 513-519.	4.3	78
12	Maturation Change in the Cortical Response to Hypoperfusion Injury in the Fetal Sheep. <i>Pediatric Research</i> , 1998, 43, 674-682.	2.3	78
13	A Role for the Somatotrophic Axis in Neural Development, Injury and Disease. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2000, 13, 1483-1492.	0.9	73
14	Neuroprotective effects of the N-terminal tripeptide of insulin-like growth factor-1, glycine-proline-glutamate (GPE) following intravenous infusion in hypoxic-ischemic adult rats. <i>Neuropharmacology</i> , 2004, 47, 892-903.	4.1	72
15	Supplementation with a mixture of complex lipids derived from milk to growing rats results in improvements in parameters related to growth and cognition. <i>Nutrition Research</i> , 2009, 29, 426-435.	2.9	64
16	Maternal supplementation with a complex milk lipid mixture during pregnancy and lactation alters neonatal brain lipid composition but lacks effect on cognitive function in rats. <i>Nutrition Research</i> , 2010, 30, 279-289.	2.9	48
17	IGF-1 derived small neuropeptides and analogues: a novel strategy for the development of pharmaceuticals for neurological conditions. <i>British Journal of Pharmacology</i> , 2009, 157, 881-891.	5.4	47
18	Supplementation of Blackcurrant Anthocyanins Increased Cyclic Glycine-Proline in the Cerebrospinal Fluid of Parkinson Patients: Potential Treatment to Improve Insulin-Like Growth Factor-1 Function. <i>Nutrients</i> , 2018, 10, 714.	4.1	44

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19	Peripheral administration of a novel diketopiperazine, NNZ 2591, prevents brain injury and improves somatosensory-motor function following hypoxia-ischemia in adult rats. <i>Neuropharmacology</i> , 2007, 53, 749-762.	4.1	43
20	String Vessel Formation is Increased in the Brain of Parkinson Disease. <i>Journal of Parkinson's Disease</i> , 2015, 5, 821-836.	2.8	40
21	Cyclic glycine-proline regulates IGF-1 homeostasis by altering the binding of IGFBP-3 to IGF-1. <i>Scientific Reports</i> , 2014, 4, 4388.	3.3	39
22	The role for IGF-1-derived small neuropeptides as a therapeutic target for neurological disorders. <i>Expert Opinion on Therapeutic Targets</i> , 2015, 19, 785-793.	3.4	36
23	Intracerebral transportation and cellular localisation of insulin-like growth factor-1 following central administration to rats with hypoxic-ischemic brain injury. <i>Brain Research</i> , 2000, 853, 163-173.	2.2	33
24	Long-Term Supplementation with Beta Serum Concentrate (BSC), a Complex of Milk Lipids, during Post-Natal Brain Development Improves Memory in Rats. <i>Nutrients</i> , 2015, 7, 4526-4541.	4.1	33
25	Delayed Peripheral Administration of a GPE Analogue Induces Astrogliosis and Angiogenesis and Reduces Inflammation and Brain Injury following Hypoxia-Ischemia in the Neonatal Rat. <i>Developmental Neuroscience</i> , 2007, 29, 393-402.	2.0	32
26	Correlation of cellular changes and spatial memory during aging in rats. <i>Experimental Gerontology</i> , 2008, 43, 929-938.	2.8	31
27	Insulin-Like Growth Factor-1 and its Derivatives: Potential Pharmaceutical Application for Ischemic Brain Injury. <i>Recent Patents on CNS Drug Discovery</i> , 2008, 3, 112-127.	0.9	31
28	Age-related memory decline is associated with vascular and microglial degeneration in aged rats. <i>Behavioural Brain Research</i> , 2012, 235, 210-217.	2.2	26
29	NNZ-2591, a novel diketopiperazine, prevented scopolamine-induced acute memory impairment in the adult rat. <i>Behavioural Brain Research</i> , 2010, 210, 221-228.	2.2	25
30	Maternally Administered Cyclic Glycine-Proline Increases Insulin-Like Growth Factor-1 Bioavailability and Novelty Recognition in Developing Offspring. <i>Endocrinology</i> , 2016, 157, 3130-3139.	2.8	20
31	Insulin-Like Growth Factor-1 and its Derivatives: Potential Pharmaceutical Application for Treating Neurological Conditions. <i>Recent Patents on CNS Drug Discovery</i> , 2013, 8, 142-160.	0.9	19
32	TGF $\beta$ -1 and neurological function after hypoxia-ischemia in adult rats. <i>NeuroReport</i> , 2004, 15, 961-964.	1.2	18
33	Supplementation with complex milk lipids during brain development promotes neuroplasticity without altering myelination or vascular density. <i>Food and Nutrition Research</i> , 2015, 59, 25765.	2.6	17
34	The Role of the Growth Factors IGF-1 and TGF $\beta$ 1 after Hypoxic-Ischemic Brain Injury. <i>Annals of the New York Academy of Sciences</i> , 1995, 765, 306-307.	3.8	16
35	Delayed peripheral administration of the N-terminal tripeptide of IGF-1 (GPE) reduces brain damage following microsphere induced embolic damage in young adult and aged rats. <i>Neuroscience Letters</i> , 2009, 454, 53-57.	2.1	16
36	Plasma cyclic glycine proline/IGF-1 ratio predicts clinical outcome and recovery in stroke patients. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 669-677.	3.7	16

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37	Supplementation of complex milk lipid concentrate (CMLc) improved the memory of aged rats. <i>Nutritional Neuroscience</i> , 2015, 18, 22-29.	3.1	15
38	Insulin-Like Growth Factor -1 (IGF-1) Derived Neuropeptides, a Novel Strategy for the Development of Pharmaceuticals for Managing Ischemic Brain Injury. <i>CNS Neuroscience and Therapeutics</i> , 2011, 17, 250-255.	3.9	14
39	Cyclic glycine-proline administration normalizes high-fat diet-induced synaptophysin expression in obese rats. <i>Neuropeptides</i> , 2019, 76, 101935.	2.2	9
40	Cyclic glycine-proline normalizes systolic blood pressure in high-fat diet-induced obese male rats. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020, 30, 339-346.	2.6	9
41	Synthesis and Self-Assembly of a Peptide - Amphiphile as a Drug Delivery Vehicle. <i>Australian Journal of Chemistry</i> , 2013, 66, 23.	0.9	7
42	Modeling the effect of insulin-like growth factor-1 on human cell growth. <i>Mathematical Biosciences</i> , 2015, 259, 43-54.	1.9	5
43	Cyclic glycine-proline accelerates mammary involution by promoting apoptosis and inhibiting IGF-1 function. <i>Journal of Cellular Physiology</i> , 2017, 232, 3369-3383.	4.1	5
44	Changes of plasma cGP/IGF-1 molar ratio with age is associated with cognitive status of Parkinson disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2020, 12, e12025.	2.4	5
45	The autocrine regulation of insulin-like growth factor-1 in human brain of Alzheimer's disease. <i>Psychoneuroendocrinology</i> , 2021, 127, 105191.	2.7	5
46	Window of Opportunity for Neuroprotection with an Antioxidant, <i>Ascorbic Acid</i> , after Hypoxia-Induced Ischemia in Adult Male Rats. <i>CNS Neuroscience and Therapeutics</i> , 2012, 18, 887-894.	3.9	4
47	Administration of cyclic glycine-proline during infancy improves adult spatial memory, astrocyte plasticity, vascularization and GluR-1 expression in rats. <i>Nutritional Neuroscience</i> , 2021, , 1-11.	3.1	1
48	NEURONAL RESCUE AFTER HYPOXIC ISCHEMIC INJURY (HI) USING INSULIN-LIKE GROWTH FACTOR-1. <i>Pediatric Research</i> , 1994, 35, 263-263.	2.3	0
49	The Potential Use of Insulin-like Growth Factor I (IGF-I) as a Neuronal Rescue Therapy. <i>Clinical Pediatric Endocrinology</i> , 1994, 3, 238-238.	0.8	0
50	Connexin43 Expression and Associated Chronic Inflammation Presages the Development of Cerebral Radiation Necrosis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020, 79, 791-799.	1.7	0