Handong Wang

List of Publications by Year
in descending order

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		81839	128225
85	3,985	39	60
papers	citations	h-index	g-index

87	87	87	5905
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Melatonin stimulates antioxidant enzymes and reduces oxidative stress in experimental traumatic brain injury: the Nrf2â€“ARE signaling pathway as a potential mechanism. Free Radical Biology and Medicine, 2014, 73, 1-11.	1.3	187
2	Luteolin provides neuroprotection in models of traumatic brain injury via the Nrf2â€“ARE pathway. Free Radical Biology and Medicine, 2014, 71, 186-195.	1.3	151
3	Disruption of Nrf2 Enhances Upregulation of Nuclear Factor-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math>B Activity, Proinflammatory Cytokines, and Intercellular Adhesion Molecule-1 in the Brain after Traumatic Brain Injury. Mediators of Inflammation, 2008, 2008, 1-7.	1.4	144
4	Multiple Mechanisms of Anti-Cancer Effects Exerted by Astaxanthin. Marine Drugs, 2015, 13, 4310-4330.	2.2	141
5	Fucoxanthin provides neuroprotection in models of traumatic brain injury via the Nrf2-ARE and Nrf2-autophagy pathways. Scientific Reports, 2017, 7, 46763.	1.6	130
6	Inhibition of cathepsin S induces autophagy and apoptosis in human glioblastoma cell lines through ROS-mediated PI3K/AKT/mTOR/p70S6K and JNK signaling pathways. Toxicology Letters, 2014, 228, 248-259.	0.4	128
7	The linear-ordered collagen scaffold-BDNF complex significantly promotes functional recovery after completely transected spinal cord injury in canine. Biomaterials, 2015, 41, 89-96.	5.7	123
8	Beneficial Effects of Ethyl Pyruvate through Inhibiting High-Mobility Group Box 1 Expression and TLR4/NF-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math>B Pathway after Traumatic Brain Injury in the Rat. Mediators of Inflammation, 2011, 2011, 1-10.	1.4	101
9	Knockdown of Nrf2 suppresses glioblastoma angiogenesis by inhibiting hypoxia-induced activation of HIF-1Î±. International Journal of Cancer, 2014, 135, 574-584.	2.3	94
10	Luteolin induces apoptosis by ROS/ER stress and mitochondrial dysfunction in gliomablastoma. Cancer Chemotherapy and Pharmacology, 2017, 79, 1031-1041.	1.1	92
11	Melatonin reduced microglial activation and alleviated neuroinflammation induced neuron degeneration in experimental traumatic brain injury: Possible involvement of mTOR pathway. Neurochemistry International, 2014, 76, 23-31.	1.9	90
12	Melatonin protects the brain from apoptosis by enhancement ofÂautophagy after traumatic brain injury in mice. Neurochemistry International, 2015, 91, 46-54.	1.9	90
13	Necrostatin-1 Ameliorates Intracerebral Hemorrhage-Induced Brain Injury in Mice Through Inhibiting RIP1/RIP3 Pathway. Neurochemical Research, 2015, 40, 643-650.	1.6	81
14	Long Non-coding RNA in CNS Injuries: A New Target for Therapeutic Intervention. Molecular Therapy - Nucleic Acids, 2019, 17, 754-766.	2.3	79
15	Curcumin provides neuroprotection in model of traumatic brain injury via the Nrf2-ARE signaling pathway. Brain Research Bulletin, 2018, 140, 65-71.	1.4	74
16	Protective Effects of Quercetin on Mitochondrial Biogenesis in Experimental Traumatic Brain Injury via the Nrf2 Signaling Pathway. PLoS ONE, 2016, 11, e0164237.	1.1	73
17	Dihydroartemisinin initiates ferroptosis in glioblastoma through GPX4 inhibition. Bioscience Reports, 2020, 40, .	1.1	72
18	Baicalin provides neuroprotection in traumatic brain injury mice model through Akt/Nrf2 pathway. Drug Design, Development and Therapy, 2018, Volume 12, 2497-2508.	2.0	71

#	Article	IF	Citations
19	Chrysin suppresses proliferation, migration, and invasion in glioblastoma cell lines via mediating the ERK/Nrf2 signaling pathway. Drug Design, Development and Therapy, 2018, Volume 12, 721-733.	2.0	69
20	Mollugin induces tumor cell apoptosis and autophagy via the PI3K/AKT/mTOR/p70S6K and ERK signaling pathways. Biochemical and Biophysical Research Communications, 2014, 450, 247-254.	1.0	67
21	Traumatic Brain Injury-Induced Neuronal Apoptosis is Reduced Through Modulation of PI3K and Autophagy Pathways in Mouse by FTY720. Cellular and Molecular Neurobiology, 2016, 36, 131-142.	1.7	64
22	Fisetin alleviates oxidative stress after traumatic brain injury via the Nrf2-ARE pathway. Neurochemistry International, 2018, 118, 304-313.	1.9	64
23	FTY720 induces autophagy-related apoptosis and necroptosis in human glioblastoma cells. Toxicology Letters, 2015, 236, 43-59.	0.4	61
24	Valproic Acid Attenuates Traumatic Brain Injury-Induced Inflammation in Vivo: Involvement of Autophagy and the Nrf2/ARE Signaling Pathway. Frontiers in Molecular Neuroscience, 2018, 11, 117.	1.4	61
25	Autophagy in Traumatic Brain Injury: A New Target for Therapeutic Intervention. Frontiers in Molecular Neuroscience, 2018, 11, 190.	1.4	60
26	Inhibition of Cathepsin S Produces Neuroprotective Effects after Traumatic Brain Injury in Mice. Mediators of Inflammation, 2013, 2013, 1-11.	1.4	58
27	Interplay between VEGF and Nrf2 regulates angiogenesis due to intracranial venous hypertension. Scientific Reports, 2016, 6, 37338.	1.6	58
28	Luteolin reduces migration of human glioblastoma cell lines via inhibition of the p-IGF-1R/PI3K/AKT/mTOR signaling pathway. Oncology Letters, 2017, 14, 3545-3551.	0.8	56
29	Ursolic Acid Ameliorates Early Brain Injury After Experimental Traumatic Brain Injury in Mice by Activating the Nrf2 Pathway. Neurochemical Research, 2017, 42, 337-346.	1.6	56
30	Posttraumatic administration of luteolin protects mice from traumatic brain injury: Implication of autophagy and inflammation. Brain Research, 2014, 1582, 237-246.	1.1	54
31	Targeting the NF-E2-Related Factor 2 Pathway: a Novel Strategy for Traumatic Brain Injury. Molecular Neurobiology, 2018, 55, 1773-1785.	1.9	53
32	Rapamycin protects against apoptotic neuronal death and improves neurologic function after traumatic brain injury in mice via modulation of the mTOR-p53-Bax axis. Journal of Surgical Research, 2015, 194, 239-247.	0.8	52
33	Tetrahydrocurcumin provides neuroprotection in rats after traumatic brain injury: autophagy and the PI3K/AKT pathways as a potential mechanism. Journal of Surgical Research, 2016, 206, 67-76.	0.8	50
34	Role of mitochondrial calcium uniporterâ€mediated Ca²⁺ and iron accumulation in traumatic brain injury. Journal of Cellular and Molecular Medicine, 2019, 23, 2995-3009.	1.6	48
35	Targeting Long Noncoding RNA in Glioma: A Pathway Perspective. Molecular Therapy - Nucleic Acids, 2018, 13, 431-441.	2.3	47
36	The involvement of Nrf2â€“ARE pathway in regulation of apoptosis in human glioblastoma cell U251. Neurological Research, 2013, 35, 71-78.	0.6	42

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37	Alpha lipoic acid inhibits neural apoptosis via a mitochondrial pathway in rats following traumatic brain injury. Neurochemistry International, 2015, 87, 85-91.	1.9	42
38	Long non-coding RNA PVT1 indicates a poor prognosis of glioma and promotes cell proliferation and invasion via target EZH2. Bioscience Reports, 2017, 37, .	1.1	42
39	FTY720 inhibits the Nrf2/ARE pathway in human glioblastoma cell lines and sensitizes glioblastoma cells to temozolomide. Pharmacological Reports, 2017, 69, 1186-1193.	1.5	42
40	SS-31 Provides Neuroprotection by Reversing Mitochondrial Dysfunction after Traumatic Brain Injury. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-12.	1.9	42
41	Baicalin suppresses proliferation, migration, and invasion in human glioblastoma cells via Ca²⁺-dependent pathway. Drug Design, Development and Therapy, 2018, Volume 12, 3247-3261.	2.0	40
42	Mitochondrial-targeted antioxidant MitoQ provides neuroprotection and reduces neuronal apoptosis in experimental traumatic brain injury possibly via the Nrf2-ARE pathway. American Journal of Translational Research (discontinued), 2018, 10, 1887-1899.	0.0	40
43	Neuroprotection by quercetin via mitochondrial function adaptation in traumatic brain injury: PGCâ€1Î± pathway as a potential mechanism. Journal of Cellular and Molecular Medicine, 2018, 22, 883-891.	1.6	38
44	Sinomenine Provides Neuroprotection in Model of Traumatic Brain Injury via the Nrf2â€“ARE Pathway. Frontiers in Neuroscience, 2016, 10, 580.	1.4	37
45	Targeting Long Noncoding RNA HMMR-AS1 Suppresses and Radiosensitizes Glioblastoma. Neoplasia, 2018, 20, 456-466.	2.3	37
46	dl-3-n-Butylphthalide (NBP) Provides Neuroprotection in the Mice Models After Traumatic Brain Injury via Nrf2-ARE Signaling Pathway. Neurochemical Research, 2017, 42, 1375-1386.	1.6	36
47	Genetic elimination of Nrf2 aggravates secondary complications except for vasospasm after experimental subarachnoid hemorrhage in mice. Brain Research, 2014, 1558, 90-99.	1.1	35
48	Baicalin Protects Mice Brain From Apoptosis in Traumatic Brain Injury Model Through Activation of Autophagy. Frontiers in Neuroscience, 2018, 12, 1006.	1.4	35
49	Inhibition of Autophagy by Chloroquine Enhances the Antitumor Efficacy of Sorafenib in Glioblastoma. Cellular and Molecular Neurobiology, 2016, 36, 1197-1208.	1.7	33
50	Microglial activation induced by the alarmin S100B is regulated by poly(ADPâ€ribose) polymeraseâ€1. Glia, 2016, 64, 1869-1878.	2.5	32
51	Silencing Nrf2 impairs glioma cell proliferation via AMPK-activated mTOR inhibition. Biochemical and Biophysical Research Communications, 2016, 469, 665-671.	1.0	30
52	Nrf2-ARE signaling provides neuroprotection in traumatic brain injury via modulation of the ubiquitin proteasome system. Neurochemistry International, 2017, 111, 32-44.	1.9	28
53	Efficacy and Safety of Low-Dose Tirofiban for Acute Intracranial Atherosclerotic Stenosis Related Occlusion with Residual Stenosis after Endovascular Treatment. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104619.	0.7	27
54	Wogonoside induces autophagy-related apoptosis in human glioblastoma cells. Oncology Reports, 2014, 32, 1179-1187.	1.2	26

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55	Podoplanin influences the inflammatory phenotypes and mobility of microglia in traumatic brain injury. Biochemical and Biophysical Research Communications, 2020, 523, 361-367.	1.0	25
56	Targeting the NF-E2-related factor 2 pathway: A novel strategy for glioblastoma (Review). Oncology Reports, 2014, 32, 443-450.	1.2	24
57	COX-2/sEH dual inhibitor PTUPB suppresses glioblastoma growth by targeting epidermal growth factor receptor and hyaluronan mediated motility receptor. Oncotarget, 2017, 8, 87353-87363.	0.8	24
58	Differential Nrf2 expression between glioma stem cells and non-stem-like cells in glioblastoma. Oncology Letters, 2014, 7, 693-698.	0.8	22
59	Knockdown of nuclear factor erythroid 2-related factor 2 by lentivirus induces differentiation of glioma stem-like cells. Oncology Reports, 2014, 32, 1170-1178.	1.2	22
60	Peroxisome proliferator-activated receptor-Î³ ameliorates neuronal ferroptosis after traumatic brain injury in mice by inhibiting cyclooxygenase-2. Experimental Neurology, 2022, 354, 114100.	2.0	22
61	Sodium aescinate provides neuroprotection in experimental traumatic brain injury via the Nrf2-ARE pathway. Brain Research Bulletin, 2020, 157, 26-36.	1.4	21
62	Knockdown of retinoblastoma protein may sensitize glioma cells to cisplatin through inhibition of autophagy. Neuroscience Letters, 2016, 620, 137-142.	1.0	20
63	RIP1 and RIP3 mediate hemin-induced cell death in HT22 hippocampal neuronal cells. Neuropsychiatric Disease and Treatment, 2018, Volume 14, 3111-3119.	1.0	19
64	Inhibition of Cathepsin S Induces Mitochondrial Apoptosis in Glioblastoma Cell Lines Through Mitochondrial Stress and Autophagosome Accumulation. Frontiers in Oncology, 2020, 10, 516746.	1.3	17
65	Anlotinib combined with temozolomide suppresses glioblastoma growth via mediation of JAK2/STAT3 signaling pathway. Cancer Chemotherapy and Pharmacology, 2022, 89, 183-196.	1.1	16
66	Long non-coding RNA CASP5 promotes the malignant phenotypes of human glioblastoma multiforme. Biochemical and Biophysical Research Communications, 2018, 500, 966-972.	1.0	15
67	FTY720 in CNS injuries: Molecular mechanisms and therapeutic potential. Brain Research Bulletin, 2020, 164, 75-82.	1.4	15
68	Circular RNA in Acute Central Nervous System Injuries: A New Target for Therapeutic Intervention. Frontiers in Molecular Neuroscience, 2022, 15, 816182.	1.4	15
69	Application of intraoperative magnetic resonance imaging in large invasive pituitary adenoma surgery. Asian Journal of Surgery, 2015, 38, 168-173.	0.2	13
70	VPA and MEL induce apoptosis by inhibiting the Nrf2-ARE signaling pathway in TMZ-resistant U251 cells. Molecular Medicine Reports, 2017, 16, 908-914.	1.1	13
71	LncRNA NEAT1 Enhances Glioma Progression via Regulating the miR-128-3p/ITGA5 Axis. Molecular Neurobiology, 2021, 58, 5163-5177.	1.9	13
72	Naringenin attenuates endoplasmic reticulum stress, reduces apoptosis, and improves functional recovery in experimental traumatic brain injury. Brain Research, 2021, 1769, 147591.	1.1	13

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73	Risk Factors Associated with Neurologic Deterioration After Combined Direct andÂIndirectÂRevascularization in Patients with Moyamoya Disease on the East CoastÂof China. World Neurosurgery, 2018, 118, e92-e98.	0.7	12
74	Restoration of Brain Angiotensin-Converting Enzyme 2 Alleviates Neurological Deficits after Severe Traumatic Brain Injury via Mitigation of Pyroptosis and Apoptosis. Journal of Neurotrauma, 2021, , .	1.7	10
75	The role of hydrocephalus in the development of Chiari I malformation and syringomyelia. Journal of the Neurological Sciences, 2014, 344, 240-242.	0.3	9
76	Quercetin induces mitochondrial biogenesis in experimental traumatic brain injury via the PGC-1Î± signaling pathway. American Journal of Translational Research (discontinued), 2016, 8, 3558-66.	0.0	9
77	Universal Sellar Anatomical Reconstruction Using the Sellar Floor Flap after Endoscopic Pituitary Adenoma Surgery. Otolaryngology - Head and Neck Surgery, 2018, 158, 774-776.	1.1	7
78	Effect Analysis of Microsurgical Clipping and Endovascular Embolization for the Treatment of Middle Cerebral Artery Aneurysms. World Neurosurgery, 2019, 125, e1074-e1081.	0.7	4
79	Knockdown of T Cell Immunoglobulin and Mucin 1 (Tim-1) Suppresses Glioma Progression Through Inhibition of the Cytokine-PI3K/AKT Pathway . OncoTargets and Therapy, 2020, Volume 13, 7433-7445.	1.0	4
80	Identifying critical genes associated with aneurysmal subarachnoid hemorrhage by weighted gene co-expression network analysis. Aging, 2021, 13, 22345-22360.	1.4	4
81	Microsurgical treatment of middle cerebral artery stenosis or occlusion: a single center experience and literature review. BMC Surgery, 2022, 22, 87.	0.6	4
82	Simple dural closure using a knotless barbed suture in endoscopic transsphenoidal surgery: preliminary experience. Acta Oto-Laryngologica, 2019, 139, 1140-1144.	0.3	3
83	Stereotactic Aspiration of Necrotic Brain Tissue for Treating Malignant Middle Cerebral Artery Infarction: A Report of 13 Consecutive Cases. World Neurosurgery, 2019, 124, 435-444.	0.7	2
84	Smarcd1 Inhibits the Malignant Phenotypes of Human Glioblastoma Cells via Crosstalk with Notch1. Molecular Neurobiology, 2021, 58, 1438-1452.	1.9	2
85	The Role of N-myc Downstream-Regulated Gene Family in Glioma Based on Bioinformatics Analysis. DNA and Cell Biology, 2021, 40, 949-968.	0.9	2