

# Chun-hua Hang

## List of Publications by Year in descending order

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101  
papers

3,848  
citations

101543

36  
h-index

155660

55  
g-index

106  
all docs

106  
docs citations

106  
times ranked

4275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of the NLRP3 Inflammasome in Cerebral Cortex After Traumatic Brain Injury in a Rat Model. <i>Neurochemical Research</i> , 2013, 38, 2072-2083.	3.3	231
2	Early release of high-mobility group box 1 (HMGB1) from neurons in experimental subarachnoid hemorrhage in vivo and in vitro. <i>Journal of Neuroinflammation</i> , 2014, 11, 106.	7.2	126
3	Simvastatin reduces secondary brain injury caused by cortical contusion in rats: Possible involvement of TLR4/NF- $\kappa$ B pathway. <i>Experimental Neurology</i> , 2009, 216, 398-406.	4.1	120
4	Sirtuin 1 activation protects against early brain injury after experimental subarachnoid hemorrhage in rats. <i>Cell Death and Disease</i> , 2016, 7, e2416-e2416.	6.3	112
5	Effect of systemic LPS injection on cortical NF- $\kappa$ B activity and inflammatory response following traumatic brain injury in rats. <i>Brain Research</i> , 2004, 1026, 23-32.	2.2	106
6	Necroptosis, a novel type of programmed cell death, contributes to early neural cells damage after spinal cord injury in adult mice. <i>Journal of Spinal Cord Medicine</i> , 2015, 38, 745-753.	1.4	97
7	Aucubin alleviates oxidative stress and inflammation via Nrf2-mediated signaling activity in experimental traumatic brain injury. <i>Journal of Neuroinflammation</i> , 2020, 17, 188.	7.2	96
8	Peroxiredoxin 2 activates microglia by interacting with Toll-like receptor 4 after subarachnoid hemorrhage. <i>Journal of Neuroinflammation</i> , 2018, 15, 87.	7.2	93
9	Cerebroprotection by salvianolic acid B after experimental subarachnoid hemorrhage occurs via Nrf2- and SIRT1-dependent pathways. <i>Free Radical Biology and Medicine</i> , 2018, 124, 504-516.	2.9	89
10	Resveratrol Attenuates Early Brain Injury after Experimental Subarachnoid Hemorrhage via Inhibition of NLRP3 Inflammasome Activation. <i>Frontiers in Neuroscience</i> , 2017, 11, 611.	2.8	88
11	Expressions of intestinal NF- $\kappa$ B, TNF- $\alpha$ , and IL-6 following traumatic brain injury in rats. <i>Journal of Surgical Research</i> , 2005, 123, 188-193.	1.6	86
12	Cannabidiol inhibits human glioma by induction of lethal mitophagy through activating TRPV4. <i>Autophagy</i> , 2021, 17, 3592-3606.	9.1	86
13	Potential Contribution of Nuclear Factor- $\kappa$ B to Cerebral Vasospasm after Experimental Subarachnoid Hemorrhage in Rabbits. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 1583-1592.	4.3	83
14	Astaxanthin ameliorates oxidative stress and neuronal apoptosis via SIRT1/NRF2/Prx2/ASK1/p38 after traumatic brain injury in mice. <i>British Journal of Pharmacology</i> , 2021, 178, 1114-1132.	5.4	75
15	Cortical expression of nuclear factor $\kappa$ B after human brain contusion. <i>Brain Research</i> , 2006, 1109, 14-21.	2.2	73
16	Astaxanthin mitigates subarachnoid hemorrhage injury primarily by increasing sirtuin 1 and inhibiting the Toll-like receptor 4 signaling pathway. <i>FASEB Journal</i> , 2019, 33, 722-737.	0.5	71
17	Activation of JAK2/STAT pathway in cerebral cortex after experimental traumatic brain injury of rats. <i>Neuroscience Letters</i> , 2011, 498, 147-152.	2.1	68
18	Progesterone administration modulates TLRs/NF- $\kappa$ B signaling pathway in rat brain after cortical contusion. <i>Annals of Clinical and Laboratory Science</i> , 2008, 38, 65-74.	0.2	66

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19	Resveratrol Attenuates Acute Inflammatory Injury in Experimental Subarachnoid Hemorrhage in Rats via Inhibition of TLR4 Pathway. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1331.	4.1	63
20	Curcumin Mitigates Neuro-Inflammation by Modulating Microglia Polarization Through Inhibiting TLR4 Axis Signaling Pathway Following Experimental Subarachnoid Hemorrhage. <i>Frontiers in Neuroscience</i> , 2019, 13, 1223.	2.8	53
21	Peroxiredoxin 1/2 protects brain against H <sub>2</sub> O <sub>2</sub> -induced apoptosis after subarachnoid hemorrhage. <i>FASEB Journal</i> , 2019, 33, 3051-3062.	0.5	53
22	Expression and cell distribution of receptor for advanced glycation end-products in the rat cortex following experimental subarachnoid hemorrhage. <i>Brain Research</i> , 2014, 1543, 315-323.	2.2	50
23	Expression of myeloid differentiation primary response protein 88 (Myd88) in the cerebral cortex after experimental traumatic brain injury in rats. <i>Brain Research</i> , 2011, 1396, 96-104.	2.2	46
24	Baincaine alleviates early brain injury after experimental subarachnoid hemorrhage in rats: Possible involvement of TLR4/NF- $\kappa$ B-mediated inflammatory pathway. <i>Brain Research</i> , 2015, 1594, 245-255.	2.2	46
25	Roles of Pannexin-1 Channels in Inflammatory Response through the TLRs/NF-Kappa B Signaling Pathway Following Experimental Subarachnoid Hemorrhage in Rats. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 175.	2.9	46
26	Concomitant upregulation of nuclear factor- $\kappa$ B activity, proinflammatory cytokines and ICAM-1 in the injured brain after cortical contusion trauma in a rat model. <i>Neurology India</i> , 2005, 53, 312.	0.4	46
27	Recombinant milk fat globule-EGF factor-8 reduces apoptosis via integrin $\beta$ 3/FAK/PI3K/AKT signaling pathway in rats after traumatic brain injury. <i>Cell Death and Disease</i> , 2018, 9, 845.	6.3	45
28	Growth inhibitory in vitro effects of glycyrrhizic acid in U251 glioblastoma cell line. <i>Neurological Sciences</i> , 2014, 35, 1115-1120.	1.9	44
29	Increased expression of ferritin in cerebral cortex after human traumatic brain injury. <i>Neurological Sciences</i> , 2013, 34, 1173-1180.	1.9	43
30	TLR4 inhibitor resatorvid provides neuroprotection in experimental traumatic brain injury: Implication in the treatment of human brain injury. <i>Neurochemistry International</i> , 2014, 75, 11-18.	3.8	42
31	TGF $\beta$ 2-activated Kinase 1 (TAK1) Inhibition by 5Z-7-Oxozeaenol Attenuates Early Brain Injury after Experimental Subarachnoid Hemorrhage. <i>Journal of Biological Chemistry</i> , 2015, 290, 19900-19909.	3.4	41
32	Biochanin A Reduces Inflammatory Injury and Neuronal Apoptosis following Subarachnoid Hemorrhage via Suppression of the TLRs/TIRAP/MyD88/NF- $\kappa$ B Pathway. <i>Behavioural Neurology</i> , 2018, 2018, 1-10.	2.1	41
33	Fisetin alleviates early brain injury following experimental subarachnoid hemorrhage in rats possibly by suppressing TLR 4/NF- $\kappa$ B signaling pathway. <i>Brain Research</i> , 2015, 1629, 250-259.	2.2	40
34	Role of Mitochondrial Calcium Uniporter in Early Brain Injury After Experimental Subarachnoid Hemorrhage. <i>Molecular Neurobiology</i> , 2015, 52, 1637-1647.	4.0	40
35	Akt Specific Activator SC79 Protects against Early Brain Injury following Subarachnoid Hemorrhage. <i>ACS Chemical Neuroscience</i> , 2016, 7, 710-718.	3.5	40
36	Arc silence aggravates traumatic neuronal injury via mGluR1-mediated ER stress and necroptosis. <i>Cell Death and Disease</i> , 2020, 11, 4.	6.3	40

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37	Up-regulation of intestinal nuclear factor kappa B and intercellular adhesion molecule-1 following traumatic brain injury in rats. <i>World Journal of Gastroenterology</i> , 2005, 11, 1149.	3.3	39
38	Onyx Embolization for Tentorial Dural Arteriovenous Fistula with Pial Arterial Supply: Case Series and Analysis of Complications. <i>World Neurosurgery</i> , 2016, 92, 58-64.	1.3	38
39	Functions of resolvin D1-ALX/FPR2 receptor interaction in the hemoglobin-induced microglial inflammatory response and neuronal injury. <i>Journal of Neuroinflammation</i> , 2020, 17, 239.	7.2	38
40	Expression of Toll-like receptor 4 in the basilar artery after experimental subarachnoid hemorrhage in rabbits: A preliminary study. <i>Brain Research</i> , 2007, 1173, 110-116.	2.2	37
41	DHEA Attenuates Microglial Activation via Induction of JMJD3 in Experimental Subarachnoid Haemorrhage. <i>Journal of Neuroinflammation</i> , 2019, 16, 243.	7.2	37
42	MFG-E8 attenuates inflammation in subarachnoid hemorrhage by driving microglial M2 polarization. <i>Experimental Neurology</i> , 2021, 336, 113532.	4.1	37
43	TRAF3 mediates neuronal apoptosis in early brain injury following subarachnoid hemorrhage via targeting TAK1-dependent MAPKs and NF- $\kappa$ B pathways. <i>Cell Death and Disease</i> , 2021, 12, 10.	6.3	37
44	N-acetylcysteine suppresses oxidative stress in experimental rats with subarachnoid hemorrhage. <i>Journal of Clinical Neuroscience</i> , 2009, 16, 684-688.	1.5	36
45	Astaxanthin reduces matrix metalloproteinase-9 expression and activity in the brain after experimental subarachnoid hemorrhage in rats. <i>Brain Research</i> , 2015, 1624, 113-124.	2.2	35
46	Biphasic activation of nuclear factor kappa B and expression of p65 and c-Rel after traumatic brain injury in rats. <i>Inflammation Research</i> , 2014, 63, 109-115.	4.0	33
47	Apoptosis and Functional Changes of Dipeptide Transporter (PepT1) in the Rat Small Intestine After Traumatic Brain Injury. <i>Journal of Surgical Research</i> , 2007, 137, 53-60.	1.6	32
48	MiR-146a Ameliorates Hemoglobin-Induced Microglial Inflammatory Response via TLR4/IRAK1/TRAF6 Associated Pathways. <i>Frontiers in Neuroscience</i> , 2020, 14, 311.	2.8	32
49	High expression of B7-H6 in human glioma tissues promotes tumor progression. <i>Oncotarget</i> , 2017, 8, 37435-37447.	1.8	31
50	Expression and cell distribution of myeloid differentiation primary response protein 88 in the cerebral cortex following experimental subarachnoid hemorrhage in rats: A pilot study. <i>Brain Research</i> , 2013, 1520, 134-144.	2.2	30
51	Elevated Cerebral Cortical CD24 Levels in Patients and Mice with Traumatic Brain Injury: A Potential Negative Role in Nuclear Factor Kappa B/Inflammatory Factor Pathway. <i>Molecular Neurobiology</i> , 2014, 49, 187-198.	4.0	30
52	Decreased progranulin levels in patients and rats with subarachnoid hemorrhage: a potential role in inhibiting inflammation by suppressing neutrophil recruitment. <i>Journal of Neuroinflammation</i> , 2015, 12, 200.	7.2	30
53	Inhibition of the Receptor for Advanced Glycation End-Products (RAGE) Attenuates Neuroinflammation While Sensitizing Cortical Neurons Towards Death in Experimental Subarachnoid Hemorrhage. <i>Molecular Neurobiology</i> , 2017, 54, 755-767.	4.0	30
54	Ghrelin alleviates early brain injury after subarachnoid hemorrhage via the PI3K/Akt signaling pathway. <i>Brain Research</i> , 2014, 1587, 15-22.	2.2	29

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55	Glycyrrhizic acid confers neuroprotection after subarachnoid hemorrhage via inhibition of high mobility group box-1 protein: A hypothesis for novel therapy of subarachnoid hemorrhage. <i>Medical Hypotheses</i> , 2013, 81, 681-685.	1.5	27
56	Inhibition of myeloid differentiation factor 88(MyD88) by ST2825 provides neuroprotection after experimental traumatic brain injury in mice. <i>Brain Research</i> , 2016, 1643, 130-139.	2.2	27
57	Fucoxanthin Mitigates Subarachnoid Hemorrhage-Induced Oxidative Damage via Sirtuin 1-Dependent Pathway. <i>Molecular Neurobiology</i> , 2020, 57, 5286-5298.	4.0	26
58	Levels of vasoactive intestinal peptide, cholecystokinin and calcitonin gene-related peptide in plasma and jejunum of rats following traumatic brain injury and underlying significance in gastrointestinal dysfunction. <i>World Journal of Gastroenterology</i> , 2004, 10, 875.	3.3	26
59	IL-33 Expression in the Cerebral Cortex Following Experimental Subarachnoid Hemorrhage in Rats. <i>Cellular and Molecular Neurobiology</i> , 2015, 35, 493-501.	3.3	23
60	Cerebroprotection by dioscin after experimental subarachnoid haemorrhage via inhibiting NLRP3 inflammasome through SIRT1-dependent pathway. <i>British Journal of Pharmacology</i> , 2021, 178, 3648-3666.	5.4	23
61	Blockage of mitochondrial calcium uniporter prevents iron accumulation in a model of experimental subarachnoid hemorrhage. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 835-840.	2.1	22
62	Pentoxifylline Alleviates Early Brain Injury After Experimental Subarachnoid Hemorrhage in Rats: Possibly via Inhibiting TLR 4/NF- $\kappa$ B Signaling Pathway. <i>Neurochemical Research</i> , 2017, 42, 963-974.	3.3	22
63	PDK4 Decrease Neuronal Apoptosis via Inhibiting ROS-ASK1/P38 Pathway in Early Brain Injury After Subarachnoid Hemorrhage. <i>Antioxidants and Redox Signaling</i> , 2022, 36, 505-524.	5.4	22
64	Inhibition of leukotriene B4 synthesis protects against early brain injury possibly via reducing the neutrophil-generated inflammatory response and oxidative stress after subarachnoid hemorrhage in rats. <i>Behavioural Brain Research</i> , 2018, 339, 19-27.	2.2	21
65	Upregulation of miR-183 expression and its clinical significance in human brain glioma. <i>Neurological Sciences</i> , 2016, 37, 1341-1347.	1.9	20
66	Expression and cell distribution of leukotriene B4 receptor 1 in the rat brain cortex after experimental subarachnoid hemorrhage. <i>Brain Research</i> , 2016, 1652, 127-134.	2.2	19
67	Recombinant OX40 attenuates neuronal apoptosis through OX40-OX40L/PI3K/AKT signaling pathway following subarachnoid hemorrhage in rats. <i>Experimental Neurology</i> , 2020, 326, 113179.	4.1	19
68	Resolvin D1 Attenuates Innate Immune Reactions in Experimental Subarachnoid Hemorrhage Rat Model. <i>Molecular Neurobiology</i> , 2021, 58, 1963-1977.	4.0	19
69	Case report about a successful full robotic radical gastric cancer surgery with intracorporeal robot-sewn anastomosis in a patient with situs inversus totalis and a two-and-a-half-year follow-up study. <i>World Journal of Surgical Oncology</i> , 2018, 16, 41.	1.9	18
70	Inhibition of myeloid differentiation primary response protein 88 provides neuroprotection in early brain injury following experimental subarachnoid hemorrhage. <i>Scientific Reports</i> , 2017, 7, 15797.	3.3	17
71	Association of Admission Serum Glucose-Phosphate Ratio with Severity and Prognosis of Aneurysmal Subarachnoid Hemorrhage. <i>World Neurosurgery</i> , 2019, 127, e1145-e1151.	1.3	17
72	Expression and Cell Distribution of Neuroglobin in the Brain Tissue After Experimental Subarachnoid Hemorrhage in Rats: A Pilot Study. <i>Cellular and Molecular Neurobiology</i> , 2014, 34, 247-255.	3.3	16

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73	Increased Expression of Caspase-12 After Experimental Subarachnoid Hemorrhage. <i>Neurochemical Research</i> , 2016, 41, 3407-3416.	3.3	16
74	Expression of intestinal myeloid differentiation primary response protein 88 (Myd88) following experimental traumatic brain injury in a mouse model. <i>Journal of Surgical Research</i> , 2013, 179, e227-e234.	1.6	15
75	Enhanced cortical expression of myeloid differentiation primary response protein 88 (Myd88) in patients with traumatic brain injury. <i>Journal of Surgical Research</i> , 2013, 180, 133-139.	1.6	15
76	Increased Expression of NLRP3 Inflammasome in Wall of Ruptured and Unruptured Human Cerebral Aneurysms: Preliminary Results. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2015, 24, 972-979.	1.6	15
77	Inhibition of Casein Kinase II by CX-4945, But Not Yes-associated protein (YAP) by Verteporfin, Enhances the Antitumor Efficacy of Temozolomide in Glioblastoma. <i>Translational Oncology</i> , 2020, 13, 70-78.	3.7	15
78	Recombinant high-mobility group box 1 protein (HMGB-1) promotes myeloid differentiation primary response protein 88 (Myd88) upregulation in mouse primary cortical neurons. <i>Neurological Sciences</i> , 2013, 34, 847-853.	1.9	14
79	The Potassium SK Channel Activator NS309 Protects Against Experimental Traumatic Brain Injury Through Anti-Inflammatory and Immunomodulatory Mechanisms. <i>Frontiers in Pharmacology</i> , 2019, 10, 1432.	3.5	13
80	Increased cerebrospinal fluid concentrations of asymmetric dimethylarginine correlate with adverse clinical outcome in subarachnoid hemorrhage patients. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 1404-1408.	1.5	12
81	The effect of subarachnoid erythrocyte lysate on brain injury: a preliminary study. <i>Bioscience Reports</i> , 2016, 36, .	2.4	12
82	Risk Factors Associated with Neurologic Deterioration After Combined Direct and Indirect Revascularization in Patients with Moyamoya Disease on the East Coast of China. <i>World Neurosurgery</i> , 2018, 118, e92-e98.	1.3	12
83	Elevated cerebrospinal fluid levels of thrombospondin-1 correlate with adverse clinical outcome in patients with aneurysmal subarachnoid hemorrhage. <i>Journal of the Neurological Sciences</i> , 2016, 369, 126-130.	0.6	11
84	Inhibition of Elevated Hippocampal CD24 Reduces Neurogenesis in Mice With Traumatic Brain Injury. <i>Journal of Surgical Research</i> , 2020, 245, 321-329.	1.6	11
85	Inhibition of SENP3 by lentivirus induces suppression of apoptosis in experimental subarachnoid hemorrhage in rats. <i>Brain Research</i> , 2015, 1622, 270-278.	2.2	9
86	Biphasic activation of nuclear factor- $\kappa$ B and expression of p65 and c-Rel following traumatic neuronal injury. <i>International Journal of Molecular Medicine</i> , 2018, 41, 3203-3210.	4.0	9
87	The Mfn1- $\beta$ IIIPKC Interaction Regulates Mitochondrial Dysfunction via Sirt3 Following Experimental Subarachnoid Hemorrhage. <i>Translational Stroke Research</i> , 2022, 13, 845-857.	4.2	9
88	Suppression of JAK2/STAT3 Signaling Reduces End-to-End Arterial Anastomosis Induced Cell Proliferation in Common Carotid Arteries of Rats. <i>PLoS ONE</i> , 2013, 8, e58730.	2.5	8
89	The rise of soluble platelet-derived growth factor receptor $\beta$ 2 in CSF early after subarachnoid hemorrhage correlates with cerebral vasospasm. <i>Neurological Sciences</i> , 2018, 39, 1105-1111.	1.9	8
90	Knock-Down of CD24 in Astrocytes Aggravates Oxyhemoglobin-Induced Hippocampal Neuron Impairment. <i>Neurochemical Research</i> , 2022, 47, 590-600.	3.3	8

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91	Expression of intestinal CD40 after experimental traumatic brain injury in rats. <i>Journal of Surgical Research</i> , 2013, 184, 1022-1027.	1.6	7
92	Expression and Cell Distribution of SENP3 in the Cerebral Cortex After Experimental Subarachnoid Hemorrhage in Rats: A Pilot Study. <i>Cellular and Molecular Neurobiology</i> , 2015, 35, 407-416.	3.3	7
93	Expression and Cell Distribution of SENP3 in Brain Tissue After Traumatic Brain Injury in Mice: A Pilot Study. <i>Cellular and Molecular Neurobiology</i> , 2015, 35, 733-740.	3.3	7
94	Upregulation of HMGB1 in wall of ruptured and unruptured human cerebral aneurysms: preliminary results. <i>Neurological Sciences</i> , 2016, 37, 219-226.	1.9	7
95	Tetramethylpyrazine Protects against Early Brain Injury after Experimental Subarachnoid Hemorrhage by Affecting Mitochondrial-Dependent Caspase-3 Apoptotic Pathway. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-9.	1.2	7
96	Edonepic maleate regulates glutamate receptors through CRMP2- and Arc-mediated mechanisms in response to brain trauma. <i>Cell Death Discovery</i> , 2022, 8, 95.	4.7	5
97	Expression of Cytoplasmic Gelsolin in Rat Brain After Experimental Subarachnoid Hemorrhage. <i>Cellular and Molecular Neurobiology</i> , 2015, 35, 723-731.	3.3	3
98	High Expression of PDK4 Could Play a Potentially Protective Role by Attenuating Oxidative Stress after Subarachnoid Hemorrhage. <i>Journal of Clinical Medicine</i> , 2022, 11, 3974.	2.4	3
99	Giant Serpentine Distal Anterior Cerebral Artery Aneurysm Treated with In Situ Side-to-Side A3-A3 Anastomosis and Aneurysm Resection. <i>World Neurosurgery</i> , 2020, 133, 21-24.	1.3	2
100	Decreased Expression of CIRP Induced by Therapeutic Hypothermia Correlates with Reduced Early Brain Injury after Subarachnoid Hemorrhage. <i>Journal of Clinical Medicine</i> , 2022, 11, 3411.	2.4	2
101	Elevated hippocampal CD24 in astrocytes participates in neural regeneration possibly via activating SHP2/ERK pathway after experimental traumatic brain injury in mice. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 6395-6408.	0.0	0