

# Meng-liang Zhou

## List of Publications by Year in descending order

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68  
papers

2,820  
citations

117453

34  
h-index

182168

51  
g-index

70  
all docs

70  
docs citations

70  
times ranked

3604  
citing authors

#	ARTICLE	IF	CITATIONS
1	Melatonin stimulates antioxidant enzymes and reduces oxidative stress in experimental traumatic brain injury: the Nrf2-ARE signaling pathway as a potential mechanism. <i>Free Radical Biology and Medicine</i> , 2014, 73, 1-11.	1.3	187
2	Astaxanthin Activates Nuclear Factor Erythroid-Related Factor 2 and the Antioxidant Responsive Element (Nrf2-ARE) Pathway in the Brain after Subarachnoid Hemorrhage in Rats and Attenuates Early Brain Injury. <i>Marine Drugs</i> , 2014, 12, 6125-6141.	2.2	135
3	Cerebrovascular Dysfunction in Amyloid Precursor Protein Transgenic Mice: Contribution of Soluble and Insoluble Amyloid- $\beta$ Peptide, Partial Restoration via $\beta$ -Secretase Inhibition. <i>Journal of Neuroscience</i> , 2008, 28, 13542-13550.	1.7	117
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.	2.7	112
5	Amelioration of oxidative stress and protection against early brain injury by astaxanthin after experimental subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2014, 121, 42-54.	0.9	103
6	Astaxanthin offers neuroprotection and reduces neuroinflammation in experimental subarachnoid hemorrhage. <i>Journal of Surgical Research</i> , 2014, 192, 206-213.	0.8	103
7	Resveratrol Attenuates Early Brain Injury after Experimental Subarachnoid Hemorrhage via Inhibition of NLRP3 Inflammasome Activation. <i>Frontiers in Neuroscience</i> , 2017, 11, 611.	1.4	88
8	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.	2.4	83
9	Hydrogen-rich saline alleviates early brain injury via reducing oxidative stress and brain edema following experimental subarachnoid hemorrhage in rabbits. <i>BMC Neuroscience</i> , 2012, 13, 47.	0.8	78
10	Curcumin provides neuroprotection in model of traumatic brain injury via the Nrf2-ARE signaling pathway. <i>Brain Research Bulletin</i> , 2018, 140, 65-71.	1.4	74
11	Protective Effects of Quercetin on Mitochondrial Biogenesis in Experimental Traumatic Brain Injury via the Nrf2 Signaling Pathway. <i>PLoS ONE</i> , 2016, 11, e0164237.	1.1	73
12	Baicalin provides neuroprotection in traumatic brain injury mice model through Akt/Nrf2 pathway. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 2497-2508.	2.0	71
13	Astaxanthin Alleviates Early Brain Injury Following Subarachnoid Hemorrhage in Rats: Possible Involvement of Akt/Bad Signaling. <i>Marine Drugs</i> , 2014, 12, 4291-4310.	2.2	68
14	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.	1.8	63
15	Valproic Acid Attenuates Traumatic Brain Injury-Induced Inflammation in Vivo: Involvement of Autophagy and the Nrf2/ARE Signaling Pathway. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 117.	1.4	61
16	Activation of Nuclear Factor- $\kappa$ B in the Brain after Experimental Subarachnoid Hemorrhage and Its Potential Role in Delayed Brain Injury. <i>PLoS ONE</i> , 2013, 8, e60290.	1.1	55
17	Comparison between one- and two-hemorrhage models of cerebral vasospasm in rabbits. <i>Journal of Neuroscience Methods</i> , 2007, 159, 318-324.	1.3	50
18	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.	1.1	50

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19	Tetrahydrocurcumin provides neuroprotection in rats after traumatic brain injury: autophagy and the PI3K/AKT pathways as a potential mechanism. <i>Journal of Surgical Research</i> , 2016, 206, 67-76.	0.8	50
20	Baincain 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.	1.1	46
21	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.	1.4	46
22	Resveratrol prevents neuronal apoptosis in an early brain injury model. <i>Journal of Surgical Research</i> , 2014, 189, 159-165.	0.8	44
23	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.	1.9	42
24	Alpha lipoic acid inhibits neural apoptosis via a mitochondrial pathway in rats following traumatic brain injury. <i>Neurochemistry International</i> , 2015, 87, 85-91.	1.9	42
25	SS-31 Provides Neuroprotection by Reversing Mitochondrial Dysfunction after Traumatic Brain Injury. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-12.	1.9	42
26	TGF $\beta$ -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.	1.6	41
27	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.	1.1	41
28	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.	1.1	40
29	Akt Specific Activator SC79 Protects against Early Brain Injury following Subarachnoid Hemorrhage. <i>ACS Chemical Neuroscience</i> , 2016, 7, 710-718.	1.7	40
30	Mitochondrial-targeted antioxidant MitoQ provides neuroprotection and reduces neuronal apoptosis in experimental traumatic brain injury possibly via the Nrf2-ARE pathway. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 1887-1899.	0.0	40
31	Neuroprotection by quercetin via mitochondrial function adaptation in traumatic brain injury: PGC-1 $\beta$ pathway as a potential mechanism. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 883-891.	1.6	38
32	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.	1.1	37
33	Sinomenine Provides Neuroprotection in Model of Traumatic Brain Injury via the Nrf2-ARE Pathway. <i>Frontiers in Neuroscience</i> , 2016, 10, 580.	1.4	37
34	dl-3-n-Butylphthalide (NBP) Provides Neuroprotection in the Mice Models After Traumatic Brain Injury via Nrf2-ARE Signaling Pathway. <i>Neurochemical Research</i> , 2017, 42, 1375-1386.	1.6	36
35	Genetic elimination of Nrf2 aggravates secondary complications except for vasospasm after experimental subarachnoid hemorrhage in mice. <i>Brain Research</i> , 2014, 1558, 90-99.	1.1	35
36	Baicalin Protects Mice Brain From Apoptosis in Traumatic Brain Injury Model Through Activation of Autophagy. <i>Frontiers in Neuroscience</i> , 2018, 12, 1006.	1.4	35

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37	Tetrahydrocurcumin reduces oxidative stress-induced apoptosis via the mitochondrial apoptotic pathway by modulating autophagy in rats after traumatic brain injury. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 887-899.	0.0	34
38	SIRT1 inhibition by sirtinol aggravates brain edema after experimental subarachnoid hemorrhage. <i>Journal of Neuroscience Research</i> , 2014, 92, 714-722.	1.3	32
39	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.	3.1	30
40	Ghrelin alleviates early brain injury after subarachnoid hemorrhage via the PI3K/Akt signaling pathway. <i>Brain Research</i> , 2014, 1587, 15-22.	1.1	29
41	Biphasic Activation of Nuclear Factor-Kappa B in Experimental Models of Subarachnoid Hemorrhage <i>In Vivo</i> and <i>In Vitro</i> . <i>Mediators of Inflammation</i> , 2012, 2012, 1-10.	1.4	27
42	Neuroprotective role of glutathione peroxidase 4 in experimental subarachnoid hemorrhage models. <i>Life Sciences</i> , 2020, 257, 118050.	2.0	27
43	The Inflammation in the Gut After Experimental Subarachnoid Hemorrhage. <i>Journal of Surgical Research</i> , 2007, 137, 103-108.	0.8	26
44	Podoplanin influences the inflammatory phenotypes and mobility of microglia in traumatic brain injury. <i>Biochemical and Biophysical Research Communications</i> , 2020, 523, 361-367.	1.0	25
45	Targeting the NF-E2-related factor 2 pathway: A novel strategy for glioblastoma (Review). <i>Oncology Reports</i> , 2014, 32, 443-450.	1.2	24
46	A20 Establishes Negative Feedback With TRAF6/NF- $\kappa$ B and Attenuates Early Brain Injury After Experimental Subarachnoid Hemorrhage. <i>Frontiers in Immunology</i> , 2021, 12, 623256.	2.2	24
47	Differential Nrf2 expression between glioma stem cells and non-stem-like cells in glioblastoma. <i>Oncology Letters</i> , 2014, 7, 693-698.	0.8	22
48	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.	1.6	22
49	Peroxisome proliferator-activated receptor- $\gamma$ 3 ameliorates neuronal ferroptosis after traumatic brain injury in mice by inhibiting cyclooxygenase-2. <i>Experimental Neurology</i> , 2022, 354, 114100.	2.0	22
50	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.	1.2	21
51	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.	1.1	19
52	Cyclosporin A ameliorates early brain injury after subarachnoid hemorrhage through inhibition of a Nur77 dependent apoptosis pathway. <i>Brain Research</i> , 2014, 1556, 67-76.	1.1	17
53	Activation of silent information regulator 1 exerts a neuroprotective effect after intracerebral hemorrhage by deacetylating NF- $\kappa$ B/p53. <i>Journal of Neurochemistry</i> , 2021, 157, 574-585.	2.1	13
54	LncRNA NEAT1 Enhances Glioma Progression via Regulating the miR-128-3p/ITGA5 Axis. <i>Molecular Neurobiology</i> , 2021, 58, 5163-5177.	1.9	13

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55	The effect of subarachnoid erythrocyte lysate on brain injury: a preliminary study. <i>Bioscience Reports</i> , 2016, 36, .	1.1	12
56	FTY720 Reduces Endothelial Cell Apoptosis and Remodels Neurovascular Unit after Experimental Traumatic Brain Injury. <i>International Journal of Medical Sciences</i> , 2021, 18, 304-313.	1.1	10
57	Restoration of Brain Angiotensin-Converting Enzyme 2 Alleviates Neurological Deficits after Severe Traumatic Brain Injury via Mitigation of Pyroptosis and Apoptosis. <i>Journal of Neurotrauma</i> , 2021, , .	1.7	10
58	Quercetin induces mitochondrial biogenesis in experimental traumatic brain injury via the PGC-1 $\alpha$ signaling pathway. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 3558-66.	0.0	9
59	FOXO4 expression associates with glioblastoma development and FOXO4 expression inhibits cell malignant phenotypes in vitro and in vivo. <i>Life Sciences</i> , 2020, 247, 117436.	2.0	8
60	Expression of FOXO transcription factors in the brain following traumatic brain injury. <i>Neuroscience Letters</i> , 2021, 753, 135882.	1.0	8
61	Inhibition of TRPA1 Attenuates Oxidative Stress-induced Damage After Traumatic Brain Injury via the ERK/AKT Signaling Pathway. <i>Neuroscience</i> , 2022, 494, 51-68.	1.1	6
62	Metabotropic glutamate receptor 5 upregulation of $\beta$ -aminobutyric acid transporter 3 expression ameliorates cognitive impairment after traumatic brain injury in mice. <i>Brain Research Bulletin</i> , 2022, 183, 104-115.	1.4	6
63	Deferoxamine reduces amyloid-beta peptides genesis and alleviates neural apoptosis after traumatic brain injury. <i>NeuroReport</i> , 2021, 32, 472-478.	0.6	5
64	&lt;p&gt;Knockdown of T Cell Immunoglobulin and Mucin 1 (Tim-1) Suppresses Glioma Progression Through Inhibition of the Cytokine-PI3K/AKT Pathway&lt;/p&gt;. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 7433-7445.	1.0	4
65	Constriction and dysfunction of pial arterioles after regional hemorrhage in the subarachnoid space. <i>Brain Research</i> , 2015, 1601, 85-91.	1.1	3
66	Expression of Cytoplasmic Gelsolin in Rat Brain After Experimental Subarachnoid Hemorrhage. <i>Cellular and Molecular Neurobiology</i> , 2015, 35, 723-731.	1.7	3
67	Retinal hypoxia after experimental subarachnoid hemorrhage. <i>Neuroscience Letters</i> , 2021, 742, 135554.	1.0	3
68	A Modified Treatment Through Point-to-Point Coil Embolization for Direct Carotid Cavernous to Fistula: A Single-Center Result. <i>Frontiers in Neurology</i> , 2021, 12, 639552.	1.1	1