

Xumei Zhang

List of Publications by Year in descending order

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32
papers

904
citations

471509

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477307

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times ranked

1146
citing authors

#	ARTICLE	IF	CITATIONS
1	Homocysteine exaggerates microglia activation and neuroinflammation through microglia localized STAT3 overactivation following ischemic stroke. <i>Journal of Neuroinflammation</i> , 2017, 14, 187.	7.2	149
2	Homocysteine enhances neural stem cell autophagy in in vivo and in vitro model of ischemic stroke. <i>Cell Death and Disease</i> , 2019, 10, 561.	6.3	76
3	Homocysteine induces cytotoxicity and proliferation inhibition in neural stem cells via DNA methylation in vitro. <i>FEBS Journal</i> , 2014, 281, 2088-2096.	4.7	60
4	Folic acid enhances Notch signaling, hippocampal neurogenesis, and cognitive function in a rat model of cerebral ischemia. <i>Nutritional Neuroscience</i> , 2012, 15, 55-61.	3.1	56
5	Homocysteine Aggravates Cortical Neural Cell Injury through Neuronal Autophagy Overactivation following Rat Cerebral Ischemia-Reperfusion. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1196.	4.1	55
6	Folic acid administration inhibits amyloid β -peptide accumulation in APP/PS1 transgenic mice. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 883-891.	4.2	46
7	Homocysteine induces mitochondrial dysfunction involving the crosstalk between oxidative stress and mitochondrial pSTAT3 in rat ischemic brain. <i>Scientific Reports</i> , 2017, 7, 6932.	3.3	45
8	Joint effects of folate and vitamin B 12 imbalance with maternal characteristics on gestational diabetes mellitus. <i>Journal of Diabetes</i> , 2019, 11, 744-751.	1.8	39
9	Folic acid deficiency enhances abeta accumulation in APP/PS1 mice brain and decreases amyloid-associated miRNAs expression. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 1502-1508.	4.2	35
10	Effects of Folate on Notch Signaling and Cell Proliferation in Neural Stem Cells of Neonatal Rats In Vitro. <i>Journal of Nutritional Science and Vitaminology</i> , 2008, 54, 353-356.	0.6	31
11	Folic acid deficiency enhanced microglial immune response via the Notch1/nuclear factor kappa B p65 pathway in hippocampus following rat brain I/R injury and BV2 cells. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 4795-4807.	3.6	29
12	Folic acid deficiency increases brain cell injury via autophagy enhancement after focal cerebral ischemia. <i>Journal of Nutritional Biochemistry</i> , 2016, 38, 41-49.	4.2	28
13	Folic Acid Inhibits Amyloid β -Peptide Production through Modulating DNA Methyltransferase Activity in N2a-APP Cells. <i>International Journal of Molecular Sciences</i> , 2015, 16, 25002-25013.	4.1	27
14	Folic Acid Alters Methylation Profile of JAK-STAT and Long-Term Depression Signaling Pathways in Alzheimer's Disease Models. <i>Molecular Neurobiology</i> , 2016, 53, 6548-6556.	4.0	27
15	Gender-specific prevalence and influencing factors of depression in elderly in rural China: A cross-sectional study. <i>Journal of Affective Disorders</i> , 2021, 288, 99-106.	4.1	26
16	Associations of urinary phenolic environmental estrogens exposure with blood glucose levels and gestational diabetes mellitus in Chinese pregnant women. <i>Science of the Total Environment</i> , 2021, 754, 142085.	8.0	21
17	Folic acid attenuates the effects of amyloid β oligomers on DNA methylation in neuronal cells. <i>European Journal of Nutrition</i> , 2016, 55, 1849-1862.	3.9	19
18	Maternal folic acid deficiency stimulates neural cell apoptosis via miR-34a associated with Bcl-2 in the rat foetal brain. <i>International Journal of Developmental Neuroscience</i> , 2019, 72, 6-12.	1.6	17

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19	Effects of Homocysteine on ERK Signaling and Cell Proliferation in Fetal Neural Stem Cells In Vitro. <i>Cell Biochemistry and Biophysics</i> , 2013, 66, 131-137.	1.8	14
20	Autophagy Plays a Role in the Prolongation of the Life Span of <i>Caenorhabditis elegans</i> by Astaxanthin. <i>Rejuvenation Research</i> , 2021, 24, 198-205.	1.8	14
21	Age- and Sex-Specific Prevalence and Modifiable Risk Factors of Mild Cognitive Impairment Among Older Adults in China: A Population-Based Observational Study. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 578742.	3.4	14
22	Joint effect of urinary arsenic species and serum one-carbon metabolism nutrients on gestational diabetes mellitus: A cross-sectional study of Chinese pregnant women. <i>Environment International</i> , 2021, 156, 106741.	10.0	13
23	Homocysteine restrains hippocampal neurogenesis in focal ischemic rat brain by inhibiting DNA methylation. <i>Neurochemistry International</i> , 2021, 147, 105065.	3.8	11
24	Pyroloquinoline quinone extends <i>Caenorhabditis elegans</i> ™ longevity through the insulin/IGF1 signaling pathway-mediated activation of autophagy. <i>Food and Function</i> , 2021, 12, 11319-11330.	4.6	9
25	Associations of Maternal rs1801131 Genotype in MTHFR and Serum Folate and Vitamin B12 with Gestational Diabetes Mellitus in Chinese Pregnant Women. <i>Nutrients</i> , 2022, 14, 1169.	4.1	9
26	Folic Acid Deficiency Enhances the Tyr705 and Ser727 Phosphorylation of Mitochondrial STAT3 in In Vivo and In Vitro Models of Ischemic Stroke. <i>Translational Stroke Research</i> , 2021, 12, 829-843.	4.2	8
27	JAK2/STAT3 involves oxidative stress-induced cell injury in N2a cells and a rat MCAO model. <i>International Journal of Neuroscience</i> , 2020, 130, 1142-1150.	1.6	8
28	Astaxanthin delays brain aging in senescence-accelerated mouse prone 10: inducing autophagy as a potential mechanism. <i>Nutritional Neuroscience</i> , 2023, 26, 445-455.	3.1	6
29	Homocysteine can aggravate depressive like behaviors in a middle cerebral artery occlusion/reperfusion rat model: a possible role for NMDARs-mediated synaptic alterations. <i>Nutritional Neuroscience</i> , 2023, 26, 483-495.	3.1	6
30	Dietary Changes over 25 Years in Tianjin Residents: Findings from the 1986–1988, 2000–2004, and 2008–2011 Nutrition Surveys. <i>Nutrients</i> , 2016, 8, 62.	4.1	4
31	Interactions Between Handgrip Strength and Serum Folate and Homocysteine Levels on Cognitive Function in the Elderly Chinese Population. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 1503-1513.	2.6	2
32	P4-369: Folic Acid Modulate Presenilin 1 Inhibits Amyloid β -Peptide Production in N2A-App Cells. , 2016, 12, P1178-P1178.		0