Guo-Wei Huang

List of Publications by Year
in descending order

114 papers	3,527 citations	147801 31 h-index	175258 52 g-index
123 all docs	123 docs citations	123 times ranked	5521 citing authors

#	Article	IF	Citations
1	The association between breastfeeding and childhood obesity: a meta-analysis. BMC Public Health, 2014, 14, 1267.	2.9	488
2	Homocysteine exaggerates microglia activation and neuroinflammation through microglia localized STAT3 overactivation following ischemic stroke. Journal of Neuroinflammation, 2017, 14, 187.	7.2	149
3	Folic Acid Supplementation Mitigates Alzheimerâ€™s Disease by Reducing Inflammation: A Randomized Controlled Trial. Mediators of Inflammation, 2016, 2016, 1-10.	3.0	119
4	Effect of beta-hydroxy-beta-methylbutyrate supplementation on muscle loss in older adults: A systematic review and meta-analysis. Archives of Gerontology and Geriatrics, 2015, 61, 168-175.	3.0	101
5	Factors of physical activity among Chinese children and adolescents: a systematic review. International Journal of Behavioral Nutrition and Physical Activity, 2017, 14, 36.	4.6	96
6	Plasma Homocysteine and Serum Folate and Vitamin B12 Levels in Mild Cognitive Impairment and Alzheimerâ€™s Disease: A Case-Control Study. Nutrients, 2017, 9, 725.	4.1	85
7	Conversion of Mild Cognitive Impairment to Dementia among Subjects with Diabetes: A Population-Based Study of Incidence and Risk Factors with Five Years of Follow-up. Journal of Alzheimer's Disease, 2014, 43, 1441-1449.	2.6	71
8	Folic acid supplementation improves cognitive function by reducing the levels of peripheral inflammatory cytokines in elderly Chinese subjects with MCI. Scientific Reports, 2016, 6, 37486.	3.3	65
9	Relationship between plasma lipids and mild cognitive impairment in the elderly Chinese: a case-control study. Lipids in Health and Disease, 2016, 15, 146.	3.0	62
10	The prevalence of mild cognitive impairment with type 2 diabetes mellitus among elderly people in China: A cross-sectional study. Archives of Gerontology and Geriatrics, 2016, 62, 138-142.	3.0	61
11	Homocysteine induces cytotoxicity and proliferation inhibition in neural stem cells via <scp>DNA</scp> methylation inÂvitro. FEBS Journal, 2014, 281, 2088-2096.	4.7	60
12	Effect of Vitamin D Supplementation on Some Inflammatory Biomarkers in Type 2 Diabetes Mellitus Subjects: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. Annals of Nutrition and Metabolism, 2018, 73, 62-73.	1.9	59
13	Effects of Folic Acid and Vitamin B12, Alone and in Combination on Cognitive Function and Inflammatory Factors in the Elderly with Mild Cognitive Impairment: A Single-blind Experimental Design. Current Alzheimer Research, 2019, 16, 622-632.	1.4	58
14	Folic acid enhances Notch signaling, hippocampal neurogenesis, and cognitive function in a rat model of cerebral ischemia. Nutritional Neuroscience, 2012, 15, 55-61.	3.1	56
15	Homocysteine Aggravates Cortical Neural Cell Injury through Neuronal Autophagy Overactivation following Rat Cerebral Ischemia-Reperfusion. International Journal of Molecular Sciences, 2016, 17, 1196.	4.1	55
16	Effects of folic acid supplementation on cognitive function and Aî²-related biomarkers in mild cognitive impairment: a randomized controlled trial. European Journal of Nutrition, 2019, 58, 345-356.	3.9	55
17	Folic acid modulates VPO1 DNA methylation levels and alleviates oxidative stress-induced apoptosis in vivo and in vitro. Redox Biology, 2018, 19, 81-91.	9.0	51
18	Folate stimulates ERK1/2 phosphorylation and cell proliferation in fetal neural stem cells. Nutritional Neuroscience, 2009, 12, 226-232.	3.1	50

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19	Folic acid administration inhibits amyloid Î²-peptide accumulation in APP/PS1 transgenic mice. Journal of Nutritional Biochemistry, 2015, 26, 883-891.	4.2	46
20	Folic acid stimulation of neural stem cell proliferation is associated with altered methylation profile of PI3K/Akt/CREB. Journal of Nutritional Biochemistry, 2014, 25, 496-502.	4.2	45
21	Associations between Alzheimerâ€™s Disease and Blood Homocysteine, Vitamin B₁₂, and Folate: A Case-Control Study. Current Alzheimer Research, 2015, 12, 88-94.	1.4	45
22	Homocysteine induces mitochondrial dysfunction involving the crosstalk between oxidative stress and mitochondrial pSTAT3 in rat ischemic brain. Scientific Reports, 2017, 7, 6932.	3.3	45
23	Association between Duration of Folic Acid Supplementation during Pregnancy and Risk of Postpartum Depression. Nutrients, 2017, 9, 1206.	4.1	45
24	Effects of 6-Month Folic Acid Supplementation on Cognitive Function and Blood Biomarkers in Mild Cognitive Impairment: A Randomized Controlled Trial in China. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 1376-1383.	3.6	43
25	The characteristic of cognitive function in Type 2 diabetes mellitus. Diabetes Research and Clinical Practice, 2015, 109, 299-305.	2.8	41
26	Activation of catechol-O-methyltransferase in astrocytes stimulates homocysteine synthesis and export to neurons. Glia, 2005, 51, 47-55.	4.9	38
27	Coffee treatment prevents the progression of sarcopenia in aged mice in vivo and in vitro. Experimental Gerontology, 2014, 50, 1-8.	2.8	37
28	Folic Acid Supplementation Delays Atherosclerotic Lesion Development by Modulating MCP1 and VEGF DNA Methylation Levels In Vivo and In Vitro. International Journal of Molecular Sciences, 2017, 18, 990.	4.1	37
29	Folic Acid Acts Through DNA Methyltransferases to Induce the Differentiation of Neural Stem Cells into Neurons. Cell Biochemistry and Biophysics, 2013, 66, 559-566.	1.8	36
30	Association of Neutrophil-Lymphocyte Ratio with Mild Cognitive Impairment in Elderly Chinese Adults: A Case-control Study. Current Alzheimer Research, 2020, 16, 1309-1315.	1.4	36
31	Folic acid deficiency enhances abeta accumulation in APP/PS1 mice brain and decreases amyloid-associated miRNAs expression. Journal of Nutritional Biochemistry, 2015, 26, 1502-1508.	4.2	35
32	Trends in the Prevalence of Overweight and Obesity among Chinese Preschool Children from 2006 to 2014. PLoS ONE, 2015, 10, e0134466.	2.5	35
33	DNA methyltransferase mediates dose-dependent stimulation of neural stem cell proliferation by folate. Journal of Nutritional Biochemistry, 2013, 24, 1295-1301.	4.2	32
34	Association between serum cholesterol levels and Alzheimerâ€™s disease in China: a case-control study. International Journal of Food Sciences and Nutrition, 2019, 70, 405-411.	2.8	32
35	Effects of Folate on Notch Signaling and Cell Proliferation in Neural Stem Cells of Neonatal Rats In Vitro. Journal of Nutritional Science and Vitaminology, 2008, 54, 353-356.	0.6	31
36	Higher visceral fat area increases the risk of vitamin D insufficiency and deficiency in Chinese adults. Nutrition and Metabolism, 2015, 12, 50.	3.0	31

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37	Folic acid inhibits tau phosphorylation through regulation of PP2A methylation in SH-SY5Y cells. Journal of Nutrition, Health and Aging, 2015, 19, 123-129.	3.3	30
38	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. Journal of Cellular and Molecular Medicine, 2019, 23, 4795-4807.	3.6	29
39	Maternal high-fat diet affects Msi/Notch/Hes signaling in neural stem cells of offspring mice. Journal of Nutritional Biochemistry, 2014, 25, 227-231.	4.2	28
40	Serum levels of immunoglobulins in an adult population and their relationship with type 2 diabetes. Diabetes Research and Clinical Practice, 2016, 115, 76-82.	2.8	28
41	Folic acid deficiency increases brain cell injury via autophagy enhancement after focal cerebral ischemia. Journal of Nutritional Biochemistry, 2016, 38, 41-49.	4.2	28
42	Folic Acid Inhibits Amyloid Î²-Peptide Production through Modulating DNA Methyltransferase Activity in N2a-APP Cells. International Journal of Molecular Sciences, 2015, 16, 25002-25013.	4.1	27
43	Molecular imprinted opal closest-packing photonic crystals for the detection of trace 17Î²-estradiol in aqueous solution. Talanta, 2015, 144, 157-162.	5.5	27
44	Folic Acid Alters Methylation Profile of JAK-STAT and Long-Term Depression Signaling Pathways in Alzheimerâ€™s Disease Models. Molecular Neurobiology, 2016, 53, 6548-6556.	4.0	27
45	Effects of Folic Acid and Vitamin B12 Supplementation on Cognitive Impairment and Inflammation in Patients with Alzheimerâ€™s Disease: A Randomized, Single-Blinded, Placebo-Controlled Trial. journal of prevention of Alzheimer's disease, The, 2021, 8, 1-8.	2.7	26
46	Gender-specific prevalence and influencing factors of depression in elderly in rural China: A cross-sectional study. Journal of Affective Disorders, 2021, 288, 99-106.	4.1	26
47	Associations of Serum Manganese Levels with Prediabetes and Diabetes among â‰¥60-Year-Old Chinese Adults: A Population-Based Cross-Sectional Analysis. Nutrients, 2016, 8, 497.	4.1	25
48	Maternal Folic Acid Supplementation During Pregnancy Improves Neurobehavioral Development in Rat Offspring. Molecular Neurobiology, 2018, 55, 2676-2684.	4.0	25
49	Periconceptional Folic Acid Supplementation Benefit to Development of Early Sensory-Motor Function through Increase DNA Methylation in Rat Offspring. Nutrients, 2018, 10, 292.	4.1	25
50	Folic Acid Decreases Astrocyte Apoptosis by Preventing Oxidative Stress-Induced Telomere Attrition. International Journal of Molecular Sciences, 2020, 21, 62.	4.1	25
51	Effect of folic acid combined with docosahexaenoic acid intervention on mild cognitive impairment in elderly: a randomized double-blind, placebo-controlled trial. European Journal of Nutrition, 2021, 60, 1795-1808.	3.9	25
52	Relationship between inflammatory markers and mild cognitive impairment in Chinese patients with type 2 diabetes: a case-control study. BMC Endocrine Disorders, 2019, 19, 73.	2.2	23
53	An imprinted crystalline colloidal array chemical-sensing material for detection of trace diethylstilbestrol. Analyst, The, 2013, 138, 2720.	3.5	22
54	Folic acid inhibits homocysteine-induced cell apoptosis in human umbilical vein endothelial cells. Molecular and Cellular Biochemistry, 2018, 444, 77-86.	3.1	22

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55	Major Dietary Patterns and Risk of Asymptomatic Hyperuricemia in Chinese Adults. Journal of Nutritional Science and Vitaminology, 2012, 58, 339-345.	0.6	20
56	Associations between Dietary Patterns and Impaired Fasting Glucose in Chinese Men: A Cross-Sectional Study. Nutrients, 2015, 7, 8072-8089.	4.1	20
57	A novel enrichment imprinted crystalline colloidal array for the ultratrace detection of chloramphenicol. Talanta, 2016, 161, 1-7.	5.5	20
58	Effects of Folic Acid on Secretases Involved in AÎ² Deposition in APP/PS1 Mice. Nutrients, 2016, 8, 556.	4.1	19
59	Folic acid attenuates the effects of amyloid Î² oligomers on DNA methylation in neuronal cells. European Journal of Nutrition, 2016, 55, 1849-1862.	3.9	19
60	Association of serum 25-hydroxyvitamin D 3 with adipokines and inflammatory marker in persons with prediabetes mellitus. Clinica Chimica Acta, 2017, 468, 152-158.	1.1	19
61	Maternal Folic Acid Supplementation During Pregnancy Promotes Neurogenesis and Synaptogenesis in Neonatal Rat Offspring. Cerebral Cortex, 2019, 29, 3390-3397.	2.9	18
62	Population-attributable fractions of risk factors for all-cause dementia in China rural and urban areas: a cross-sectional study. Journal of Neurology, 2022, 269, 3147-3158.	3.6	18
63	Effects of protease-treated royal jelly on muscle strength in elderly nursing home residents: A randomized, double-blind, placebo-controlled, dose-response study. Scientific Reports, 2017, 7, 11416.	3.3	17
64	Association of Leukocyte Telomere Length with Mild Cognitive Impairment and Alzheimerâ€™s Disease: Role of Folate and Homocysteine. Dementia and Geriatric Cognitive Disorders, 2019, 48, 56-67.	1.5	17
65	Maternal folic acid deficiency stimulates neural cell apoptosis via miRâ€34a associated with Bclâ€2 in the rat foetal brain. International Journal of Developmental Neuroscience, 2019, 72, 6-12.	1.6	17
66	A novel photonic sensor for the detection of chloramphenicol. Arabian Journal of Chemistry, 2019, 12, 4398-4406.	4.9	17
67	Maternal folic acid impacts DNA methylation profile in male rat offspring implicated in neurodevelopment and learning/memory abilities. Genes and Nutrition, 2021, 16, 1.	2.5	17
68	Folic acid delays age-related cognitive decline in senescence-accelerated mouse prone 8: alleviating telomere attrition as a potential mechanism. Aging, 2019, 11, 10356-10373.	3.1	17
69	Relationship between folate, vitamin B₁₂, homocysteine, transaminase and mild cognitive impairment in China: a case-control study. International Journal of Food Sciences and Nutrition, 2020, 71, 315-324.	2.8	16
70	Relationship between blood levels of methyl donor and folate and mild cognitive impairment in Chinese patients with type 2 diabetes: a case-control study. Journal of Clinical Biochemistry and Nutrition, 2014, 54, 122-128.	1.4	16
71	Comparison of the effect of high fruit and soybean products diet and standard diet interventions on serum uric acid in asymptomatic hyperuricemia adults: an open randomized controlled trial. International Journal of Food Sciences and Nutrition, 2016, 67, 335-343.	2.8	15
72	Elevated serum complement C3 levels are associated with prehypertension in an adult population. Clinical and Experimental Hypertension, 2017, 39, 42-49.	1.3	15

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73	The relationship between S -adenosylhomocysteine and coronary artery lesions: A case control study. Clinica Chimica Acta, 2017, 471, 314-320.	1.1	15
74	Effects of Homocysteine on ERK Signaling and Cell Proliferation in Fetal Neural Stem Cells In Vitro. Cell Biochemistry and Biophysics, 2013, 66, 131-137.	1.8	14
75	Age- and Sex-Specific Prevalence and Modifiable Risk Factors of Mild Cognitive Impairment Among Older Adults in China: A Population-Based Observational Study. Frontiers in Aging Neuroscience, 2020, 12, 578742.	3.4	14
76	Association between dietary patterns and metabolic syndrome in Chinese adults: a propensity score-matched case-control study. Scientific Reports, 2016, 6, 34748.	3.3	13
77	Association of Folate Metabolites and Mitochondrial Function in Peripheral Blood Cells in Alzheimerâ€™s Disease: A Matched Case-Control Study. Journal of Alzheimer's Disease, 2019, 70, 1133-1142.	2.6	13
78	Folic acid attenuates homocysteine and enhances antioxidative capacity in atherosclerotic rats. Applied Physiology, Nutrition and Metabolism, 2017, 42, 1015-1022.	1.9	13
79	Folic Acid Reduces Tau Phosphorylation by Regulating PP2A Methylation in Streptozotocin-Induced Diabetic Mice. International Journal of Molecular Sciences, 2017, 18, 861.	4.1	12
80	Fasudil may induce the differentiation of bone marrow mesenchymal stem cells into neuronâ€‘like cells via the Wnt/Î²â€‘catenin pathway. Molecular Medicine Reports, 2019, 19, 3095-3104.	2.4	12
81	The predictive value of mean serum uric acid levels for developing prediabetes. Diabetes Research and Clinical Practice, 2016, 118, 79-89.	2.8	11
82	A highly sensitive immunoassay for atrazine based on covalently linking the small molecule hapten to a ureaâ€“glutaraldehyde network on a polystyrene surface. International Immunopharmacology, 2016, 40, 480-486.	3.8	11
83	Association between dietary patterns during the third trimester and the risk of postpartum depression in China. Journal of Affective Disorders, 2020, 264, 370-375.	4.1	11
84	Environmental correlates of sedentary behaviors and physical activity in Chinese preschool children: A cross-sectional study. Journal of Sport and Health Science, 2022, 11, 620-629.	6.5	11
85	The overall computer/mobile devices usage time is related to newly diagnosed non-alcoholic fatty liver disease: a population-based study. Annals of Medicine, 2016, 48, 568-576.	3.8	10
86	Folic Acid Inhibits Aging-Induced Telomere Attrition and Apoptosis in Astrocytes In Vivo and In Vitro. Cerebral Cortex, 2021, , .	2.9	10
87	Inhibitory effect of homocysteine on rat neural stem cell growth in vitro is associated with reduced protein levels and enzymatic activities of aconitase and respiratory complex III. Journal of Bioenergetics and Biomembranes, 2017, 49, 131-138.	2.3	9
88	Effects of maternal folic acid supplementation during pregnancy on infant neurodevelopment at 1Âmonth of age: a birth cohort study in China. European Journal of Nutrition, 2020, 59, 1345-1356.	3.9	9
89	Folic acid alleviates age-related cognitive decline and inhibits apoptosis of neurocytes in senescence-accelerated mouse prone 8: deoxythymidine triphosphate biosynthesis as a potential mechanism. Journal of Nutritional Biochemistry, 2021, 97, 108796.	4.2	9
90	Dietary patterns and changes in cardiovascular risk factors in apparently healthy Chinese women: a longitudinal study. Journal of Clinical Biochemistry and Nutrition, 2016, 58, 232-239.	1.4	8

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91	Alleviating Oxidative Damageâ€“Induced Telomere Attrition: a Potential Mechanism for Inhibition by Folic Acid of Apoptosis in Neural Stem Cells. Molecular Neurobiology, 2022, 59, 590-602.	4.0	7
92	Association of dietary inï¬,ammatory index and leukocyte telomere length with mild cognitive impairment in Chinese older adults. Nutritional Neuroscience, 2023, 26, 50-59.	3.1	7
93	Physical activity patterns by objective measurements in preschoolers from China. Child and Adolescent Obesity, 2019, 2, 1-17.	1.3	6
94	Antibody recognition by a novel microgel photonic crystal. Bioorganic Chemistry, 2019, 84, 389-393.	4.1	6
95	Association between marital status and cognitive impairment based on a crossâ€sectional study in China. International Journal of Geriatric Psychiatry, 2022, 37, .	2.7	6
96	Expression of L1 protein correlates with cluster of differentiation 24 and integrin Î²1 expression in gastrointestinal stromal tumors. Oncology Letters, 2015, 9, 2595-2602.	1.8	5
97	Factors Associated with Frontotemporal Dementia in China: A Cross-Sectional Study. Archives of Medical Research, 2016, 47, 388-393.	3.3	5
98	The clinical characteristics and subtypes of patients with cognitive impairment in memory clinic. Journal of Clinical Neuroscience, 2020, 82, 186-191.	1.5	5
99	Dietary Changes over 25 Years in Tianjin Residents: Findings from the 1986â€“1988, 2000â€“2004, and 2008â€“2011 Nutrition Surveys. Nutrients, 2016, 8, 62.	4.1	4
100	Association between methionine cycle metabolite-related diets and mild cognitive impairment in older Chinese adults: a population-based observational study. Nutritional Neuroscience, 2022, 25, 1495-1508.	3.1	4
101	Early 1,25-Dihydroxyvitamin D₃ Supplementation Effectively Lowers the Incidence of Type 2 Diabetes Mellitus via Ameliorating Inflammation In KK-A^y Mice. Journal of Nutritional Science and Vitaminology, 2021, 67, 84-90.	0.6	4
102	Effectiveness of Antibiotic Use Management in Tianjin (2011â€“2013): A Quasi-Experimental Study. Medical Science Monitor, 2017, 23, 725-731.	1.1	4
103	Apolipoprotein E polymorphism Îµ4â€stratified longitudinal association between daytime naps, sleep apnea and mild cognitive impairment: A prospective cohort study. European Journal of Neurology, 2022, 29, 1385-1393.	3.3	4
104	Circulating folate concentrations and the risk of mild cognitive impairment: A prospective study on the older Chinese population without folic acid fortification. European Journal of Neurology, 2022, 29, 2913-2924.	3.3	4
105	Association of Dietary Habits with Mild Cognitive Impairment among Elderly in Rural Area of North China. Current Alzheimer Research, 2021, 18, 256-264.	1.4	3
106	Early Life Stage Folic Acid Deficiency Delays the Neurobehavioral Development and Cognitive Function of Rat Offspring by Hindering De Novo Telomere Synthesis. International Journal of Molecular Sciences, 2022, 23, 6948.	4.1	3
107	Interactions Between Handgrip Strength and Serum Folate and Homocysteine Levels on Cognitive Function in the Elderly Chinese Population. Journal of Alzheimer's Disease, 2021, 80, 1503-1513.	2.6	2
108	The Impact of Ovarian Cancer on Life Expectancy in Japan. Journal of Applied Statistics, 2007, 34, 741-747.	1.3	1

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109	Comparison of the Outcomes of Three Different Nutritional Supports in Patients with Oral and Maxillofacial Malignant Tumors following Surgery. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-11.	1.2	1
110	Baseline folic acid status affects the effectiveness of folic acid supplements in cognitively relevant outcomes in older adults: a systematic review. Aging and Mental Health, 2021, , 1-8.	2.8	1
111	Attitude and requirement for Health Emergency Curriculum among medical students. , 2012, , .		0
112	P4-369: Folic Acid Modulate Presenilin 1 Inhibits Amyloid Î²-Peptide Production in N2A-App Cells. , 2016, 12, P1178-P1178.		0
113	A sensitive immunoassay for parathion based on covalent linkage between small molecules hapten microtiter plates surface. Journal of the Iranian Chemical Society, 2017, 14, 257-268.	2.2	0
114	Response: Factors Associated with Frontotemporal Dementia in China: A Cross-sectional Study. Archives of Medical Research, 2017, 48, 304.	3.3	0