Rong Xiao

List of Publications by Year
in descending order

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Version: 2024-02-01

62	1,241	346980	511568
papers	citations	22 h-index	30 g-index

67	67	67	1961
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dietary fatty acids affect learning and memory ability via regulating inflammatory factors in obese mice. Journal of Nutritional Biochemistry, 2022, 103, 108959.	1.9	9
2	Association between the Erythrocyte Membrane Fatty Acid Profile and Cognitive Function in the Overweight and Obese Population Aged from 45 to 75 Years Old. Nutrients, 2022, 14, 914.	1.7	6
3	Keap1 as Target of Genistein on Nrf2 Signaling Pathway Antagonizing AÎ² induced Oxidative Damage of Cerebrovascular Endothelial Cells. Current Neurovascular Research, 2022, 19, 73-82.	0.4	2
4	High cholesterol and 27-hydroxycholesterol contribute to phosphorylation of tau protein by impairing autophagy causing learning and memory impairment in C57BL/6J mice. Journal of Nutritional Biochemistry, 2022, 106, 109016.	1.9	11
5	Relationship Between Dietary Patterns and Chronic Diseases in Rural Population: Management Plays an Important Role in the Link. Frontiers in Nutrition, 2022, 9, 866400.	1.6	4
6	Regulation of Th17/Treg Balance by 27-Hydroxycholesterol and 24S-Hydroxycholesterol Correlates with Learning and Memory Ability in Mice. International Journal of Molecular Sciences, 2022, 23, 4370.	1.8	7
7	The Association Between Plasma Fatty Acid and Cognitive Function Mediated by Inflammation in Patients with Type 2 Diabetes Mellitus. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2022, Volume 15, 1423-1436.	1.1	5
8	The association of blood non-esterified fatty acid, saturated fatty acids, and polyunsaturated fatty acids levels with mild cognitive impairment in Chinese population aged 35â€“64 years: a cross-sectional study. Nutritional Neuroscience, 2021, 24, 148-160.	1.5	12
9	The effects of high-density lipoprotein and oxidized high-density lipoprotein on forskolin-induced syncytialization of BeWo cells. Placenta, 2021, 103, 199-205.	0.7	7
10	Diet quality, gut microbiota, and microRNAs associated with mild cognitive impairment in middle-aged and elderly Chinese population. American Journal of Clinical Nutrition, 2021, 114, 429-440.	2.2	43
11	Alteration of Intestinal Microbiota Composition in Oral Sensitized C3H/HeJ Mice Is Associated With Changes in Dendritic Cells and T Cells in Mesenteric Lymph Nodes. Frontiers in Immunology, 2021, 12, 631494.	2.2	9
12	The Effect and Mechanism of Cholesterol and Vitamin B12 on Multi-Domain Cognitive Function: A Prospective Study on Chinese Middle-Aged and Older Adults. Frontiers in Aging Neuroscience, 2021, 13, 707958.	1.7	3
13	Vitamin D Deficiency Is Associated with Disrupted Cholesterol Homeostasis in Patients with Mild Cognitive Impairment. Journal of Nutrition, 2021, 151, 3865-3873.	1.3	1
14	Lipidomic profiles of maternal blood at the earlier stage of gestation and umbilical venous blood in response to supraphysiological hypercholesterolemia versus physiological hypercholesterolemia: An evidence of potential biomarkers and early intervention. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158587.	1.2	6
15	27-Hydroxycholesterol Promotes the Transfer of Astrocyte-Derived Cholesterol to Neurons in Co-cultured SH-SY5Y Cells and C6 Cells. Frontiers in Cell and Developmental Biology, 2020, 8, 580599.	1.8	16
16	Trans-fatty acids alter the gut microbiota in high-fat-diet-induced obese rats. British Journal of Nutrition, 2020, 124, 1251-1263.	1.2	19
17	Associations between maternal serum HDL-c concentrations during pregnancy and neonatal birth weight: a population-based cohort study. Lipids in Health and Disease, 2020, 19, 93.	1.2	14
18	27-Hydroxycholesterol contributes to cognitive deficits in APP/PS1 transgenic mice through microbiota dysbiosis and intestinal barrier dysfunction. Journal of Neuroinflammation, 2020, 17, 199.	3.1	52

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19	Alterations in Cholesterol Metabolism and Genetics as Key Players in Mild Cognitive Impairment (P15-023-19). Current Developments in Nutrition, 2019, 3, nzz037.P15-023-19.	0.1	0
20	Sporamin suppresses growth of xenografted colorectal carcinoma in athymic BALB/c mice by inhibiting liver Î²-catenin and vascular endothelial growth factor expression. World Journal of Gastroenterology, 2019, 25, 3196-3206.	1.4	5
21	Dietary intakes and biomarker patterns of folate, vitamin B6, and vitamin B12 can be associated with cognitive impairment by hypermethylation of redox-related genes NUDT15 and TXNRD1. Clinical Epigenetics, 2019, 11, 139.	1.8	65
22	Dietary Intake of Riboflavin and Unsaturated Fatty Acid Can Improve the Multi-Domain Cognitive Function in Middle-Aged and Elderly Populations: A 2-Year Prospective Cohort Study. Frontiers in Aging Neuroscience, 2019, 11, 226.	1.7	15
23	27-Hydroxycholesterol Contributes to Lysosomal Membrane Permeabilization-Mediated Pyroptosis in Co-cultured SH-SY5Y Cells and C6 Cells. Frontiers in Molecular Neuroscience, 2019, 12, 14.	1.4	44
24	Longitudinal and nonlinear relations of dietary and Serum cholesterol in midlife with cognitive decline: results from EMCOA study. Molecular Neurodegeneration, 2019, 14, 51.	4.4	31
25	Inflammation and Cognitive Function in Overweight and Obese Chinese Individuals. Cognitive and Behavioral Neurology, 2019, 32, 217-224.	0.5	7
26	27â€hydroxycholesterol promotes AÎ² accumulation via altering AÎ² metabolism in mild cognitive impairment patients and APP/PS1 mice. Brain Pathology, 2019, 29, 558-573.	2.1	37
27	Trace elements profiles of maternal blood, umbilical cord blood, and placenta in Beijing, China. Journal of Maternal-Fetal and Neonatal Medicine, 2019, 32, 1755-1761.	0.7	34
28	27-Hydroxycholesterol Alters Synaptic Structural and Functional Plasticity in Hippocampal Neuronal Cultures. Journal of Neuropathology and Experimental Neurology, 2019, 78, 238-247.	0.9	8
29	Highâ€'cholesterol diet results in elevated amyloidâ€Î² and oxysterols in rats. Molecular Medicine Reports, 2018, 17, 1235-1240.	1.1	8
30	Modulation of the Fecal Microbiota in Sprague-Dawley Rats Using Genetically Modified and Isogenic Corn Lines. Journal of Agricultural and Food Chemistry, 2018, 66, 551-561.	2.4	5
31	The association between macronutrient intake and cognition in individuals aged under 65 in China: a cross-sectional study. BMJ Open, 2018, 8, e018573.	0.8	33
32	Increased Levels of 27â€Hydroxycholesterol Induced by Dietary Cholesterol in Brain Contribute to Learning and Memory Impairment in Rats. Molecular Nutrition and Food Research, 2018, 62, 1700531.	1.5	35
33	Effects of dietary palm olein on the cardiovascular risk factors in healthy young adults. Food and Nutrition Research, 2018, 62, .	1.2	8
34	The high maternal TG level at early trimester was associated with the increased risk of LGA newborn in non-obesity pregnant women. Lipids in Health and Disease, 2018, 17, 294.	1.2	14
35	Milk Powder Coâ€Supplemented with Inulin and Resistant Dextrin Improves Glycemic Control and Insulin Resistance in Elderly Type 2 Diabetes Mellitus: A 12â€Week Randomized, Doubleâ€Blind, Placeboâ€Controlled Trial. Molecular Nutrition and Food Research, 2018, 62, e1800865.	1.5	31
36	Patterns of cognitive function in middle-aged and elderly Chinese adultsâ€”findings from the EMCOA study. Alzheimer's Research and Therapy, 2018, 10, 93.	3.0	14

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37	Neurocalcin-delta: a potential memory-related factor in hippocampus of obese rats induced by high-fat diet.. African Health Sciences, 2018, 17, 1211.	0.3	9
38	Association of ApoE Genetic Polymorphism and Type 2 Diabetes with Cognition in Non-Demented Aging Chinese Adults: A Community Based Cross-Sectional Study. , 2018, 9, 346.		24
39	Dietary soybean isoflavones in Alzheimer's disease prevention. Asia Pacific Journal of Clinical Nutrition, 2018, 27, 946-954.	0.3	16
40	27-Hydroxycholesterol regulates cholesterol synthesis and transport in C6 glioma cells. NeuroToxicology, 2017, 59, 88-97.	1.4	39
41	Sex-specific nonlinear associations between serum lipids and different domains of cognitive function in middle to older age individuals. Metabolic Brain Disease, 2017, 32, 1089-1097.	1.4	19
42	Lipidomic analysis reveals the significant increase in diacylglycerophosphocholines in umbilical cord blood from pregnantÂwomen with gestational hypercholesterolemia. Placenta, 2017, 59, 39-45.	0.7	8
43	Elaidic acid induces cell apoptosis through induction of ROS accumulation and endoplasmic reticulum stress in SH-SY5Y cells. Molecular Medicine Reports, 2017, 16, 9337-9346.	1.1	24
44	Modulation of cholesterol transport by maternal hypercholesterolemia in human full-term placenta. PLoS ONE, 2017, 12, e0171934.	1.1	32
45	Vegetable and fruit juice enhances antioxidant capacity and regulates antioxidant gene expression in rat liver, brain and colon. Genetics and Molecular Biology, 2017, 40, 134-141.	0.6	6
46	The Correlation between Early Stages of Life Exposed to Chinese Famine and Cognitive Decline in Adulthood: Nutrition of Adulthood Plays an Important Role in the Link?. Frontiers in Aging Neuroscience, 2017, 9, 444.	1.7	14
47	Association between Exposure to the Chinese Famine in Different Stages of Early Life and Decline in Cognitive Functioning in Adulthood. Frontiers in Behavioral Neuroscience, 2016, 10, 146.	1.0	42
48	Dietary Intake of Nutrients and Lifestyle Affect the Risk of Mild Cognitive Impairment in the Chinese Elderly Population: A Cross-Sectional Study. Frontiers in Behavioral Neuroscience, 2016, 10, 229.	1.0	44
49	The Erythrocyte Fatty Acid Profile and Cognitive Function in Old Chinese Adults. Nutrients, 2016, 8, 385.	1.7	15
50	Association of MTHFR, SLC19A1 Genetic Polymorphism, Serum Folate, Vitamin B12 and Hcy Status with Cognitive Functions in Chinese Adults. Nutrients, 2016, 8, 665.	1.7	19
51	Relationship between oxysterols and mild cognitive impairment in the elderly: a caseâ€“control study. Lipids in Health and Disease, 2016, 15, 177.	1.2	34
52	Involvement of Nuclear Related Factor 2 Signaling Pathway in the Brain of Obese Rats and Obesity-Resistant Rats Induced by High-Fat Diet. Journal of Medicinal Food, 2016, 19, 404-409.	0.8	2
53	Soy milk powder supplemented with phytosterol esters reduced serum cholesterol level in hypercholesterolemia independently of lipoprotein E genotype: a random clinical placebo-controlled trial. Nutrition Research, 2016, 36, 879-884.	1.3	25
54	The cytotoxicity of 27-hydroxycholesterol in co-cultured SH-SY5Y cells and C6 cells. Neuroscience Letters, 2016, 632, 209-217.	1.0	11

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55	Diet, lifestyle and cognitive function in old Chinese adults. Archives of Gerontology and Geriatrics, 2016, 63, 36-42.	1.4	59
56	Dietary pattern and antioxidants in plasma and erythrocyte in patients with mild cognitive impairment from China. Nutrition, 2016, 32, 193-198.	1.1	36
57	Effects of APOE rs429358, rs7412 and GSTM1/GSTT1 Polymorphism on Plasma and Erythrocyte Antioxidant Parameters and Cognition in Old Chinese Adults. Nutrients, 2015, 7, 8261-8273.	1.7	12
58	Association of dietary intake and lifestyle pattern with mild cognitive impairment in the elderly. Journal of Nutrition, Health and Aging, 2015, 19, 164-168.	1.5	43
59	Global DNA methylation was changed by a maternal high-lipid, high-energy diet during gestation and lactation in male adult mice liver. British Journal of Nutrition, 2015, 113, 1032-1039.	1.2	32
60	Genistein Inhibited Amyloid-Î² induced Inflammatory Damage in C6 Glial Cells. Archives of Medical Research, 2014, 45, 152-157.	1.5	12
61	Mitochondrial dysfunction and oxidative damage in the brain of diet-induced obese rats but not in diet-resistant rats. Life Sciences, 2014, 110, 53-60.	2.0	37
62	Effects of GSTM1/GSTT1 Gene Polymorphism and Fruit & Vegetable Consumption on Antioxidant Biomarkers and Cognitive Function in the Elderly: A Community Based Cross-Sectional Study. PLoS ONE, 2014, 9, e113588.	1.1	7