List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Sex hormone-regulated renal transport of perfluorooctanoic acid. Chemico-Biological Interactions, 2002, 139, 301-316.	4.0	232
2	Long-Term Administration of Green Tea Catechins Improves Spatial Cognition Learning Ability in Rats. Journal of Nutrition, 2006, 136, 1043-1047.	2.9	187
3	Comparison of the elimination between perfluorinated fatty acids with different carbon chain length in rats. Chemico-Biological Interactions, 2001, 134, 203-216.	4.0	171
4	Green tea catechins prevent cognitive deficits caused by Aβ1–40 in rats. Journal of Nutritional Biochemistry, 2008, 19, 619-626.	4.2	121
5	Docosahexaenoic acid promotes neuronal differentiation by regulating basic helix–loop–helix transcription factors and cell cycle in neural stem cells. Neuroscience, 2009, 160, 651-660.	2.3	104
6	<i>N</i> â€docosahexaenoylethanolamine is a potent neurogenic factor for neural stem cell differentiation. Journal of Neurochemistry, 2013, 125, 869-884.	3.9	84
7	Docosahexaenoic acid disrupts <i>in vitro</i> amyloid β _{1â€40} fibrillation and concomitantly inhibits amyloid levels in cerebral cortex of Alzheimer's disease model rats. Journal of Neurochemistry, 2008, 107, 1634-1646.	3.9	76
8	Induction by perfluorinated fatty acids with different carbon chain length of peroxisomal β-oxidation in the liver of rats. Chemico-Biological Interactions, 2000, 124, 119-132.	4.0	74
9	n-3 fatty acids effectively improve the reference memory-related learning ability associated with increased brain docosahexaenoic acid-derived docosanoids in aged rats. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 203-209.	2.4	69
10	Mechanism of docosahexaenoic acidâ€induced inhibition of <i>in vitro</i> Aβ _{1–42} fibrillation and Aβ _{1–42} â€induced toxicity in SH‣5Y5 cells. Journal of Neurochemistry, 2009, 111, 568-579.	3.9	62
11	Omega-3 Polyunsaturated Fatty Acids Enhance Neuronal Differentiation in Cultured Rat Neural Stem Cells. Stem Cells International, 2013, 2013, 1-9.	2.5	59
12	Proliferation of neuronal progenitor cells and neuronal differentiation in the hypothalamus are enhanced in heat-acclimated rats. Pflugers Archiv European Journal of Physiology, 2009, 458, 661-673.	2.8	50
13	Rat Organic Anion Transporter 3 and Organic Anion Transporting Polypeptide 1 Mediate Perfluorooctanoic Acid Transport. Journal of Health Science, 2007, 53, 77-83.	0.9	49
14	Possibility of Polyunsaturated Fatty Acids for the Prevention and Treatment of Neuropsychiatric Illnesses. Journal of Pharmacological Sciences, 2014, 124, 294-300.	2.5	49
15	Theobromine up-regulates cerebral brain-derived neurotrophic factor and facilitates motor learning in mice. Journal of Nutritional Biochemistry, 2017, 39, 110-116.	4.2	39
16	Beneficial effects of dietary docosahexaenoic acid intervention on cognitive function and mental health of the oldest elderly in Japanese care facilities and nursing homes. Geriatrics and Gerontology International, 2017, 17, 330-337.	1.5	37
17	Docosahexaenoic acid withstands the Aβ25-35-induced neurotoxicity in SH-SY5Y cells. Journal of Nutritional Biochemistry, 2011, 22, 22-29.	4.2	35
18	Effects of docosahexaenoic acid on in vitro amyloid beta peptide 25–35 fibrillation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2009, 1791, 289-296.	2.4	33

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19	Theobromine Improves Working Memory by Activating the CaMKII/CREB/BDNF Pathway in Rats. Nutrients, 2019, 11, 888.	4.1	33
20	Sub-Chronic Consumption of Dark Chocolate Enhances Cognitive Function and Releases Nerve Growth Factors: A Parallel-Group Randomized Trial. Nutrients, 2019, 11, 2800.	4.1	31
21	Omega-3 Fatty Acids Protect Renal Functions by Increasing Docosahexaenoic Acid-Derived Metabolite Levels in SHR.Cg-Leprcp/NDmcr Rats, a Metabolic Syndrome Model. Molecules, 2014, 19, 3247-3263.	3.8	29
22	Protective effects of prescription n-3 fatty acids against impairment of spatial cognitive learning ability in amyloid β-infused rats. Food and Function, 2011, 2, 386.	4.6	28
23	Direct exposure to mild heat promotes proliferation and neuronal differentiation of neural stem/progenitor cells in vitro. PLoS ONE, 2017, 12, e0190356.	2.5	27
24	Medicinal value of asiaticoside for Alzheimer's disease as assessed using single-molecule-detection fluorescence correlation spectroscopy, laser-scanning microscopy, transmission electron microscopy, and in silico docking. BMC Complementary and Alternative Medicine, 2015, 15, 118.	3.7	26
25	Neural progenitor cell proliferation in the hypothalamus is involved in acquired heat tolerance in long-term heat-acclimated rats. PLoS ONE, 2017, 12, e0178787.	2.5	24
26	Intake of Alpha-Linolenic Acid-Rich Perilla frutescens Leaf Powder Decreases Home Blood Pressure and Serum Oxidized Low-Density Lipoprotein in Japanese Adults. Molecules, 2020, 25, 2099.	3.8	24
27	Oral intake of encapsulated dried ginger root powder hardly affects human thermoregulatory function, but appears to facilitate fat utilization. International Journal of Biometeorology, 2015, 59, 1461-1474.	3.0	22
28	Hydrogen-rich water inhibits glucose and α,β -dicarbonyl compound-induced reactive oxygen species production in the SHR.Cg-Leprcp/NDmcr rat kidney. Medical Gas Research, 2012, 2, 18.	2.3	20
29	The binding of Aβ1–42 to lipid rafts of RBC is enhanced by dietary docosahexaenoic acid in rats: Implicates to Alzheimer's disease. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1402-1409.	2.6	20
30	Omega-3 fatty acid prevents the development of heart failure by changing fatty acid composition in the heart. Scientific Reports, 2020, 10, 15553.	3.3	19
31	Effects of hydrogen-rich water on abnormalities in a SHR.Cg-Leprcp/NDmcr rat - a metabolic syndrome rat model. Medical Gas Research, 2011, 1, 26.	2.3	17
32	Aging attenuates acquired heat tolerance and hypothalamic neurogenesis in rats. Journal of Comparative Neurology, 2015, 523, 1190-1201.	1.6	17
33	Effects of Long-Term Oral Administration of Arachidonic Acid and Docosahexaenoic Acid on the Immune Functions of Young Rats. Nutrients, 2013, 5, 1949-1961.	4.1	16
34	Chronic Arachidonic Acid Administration Decreases Docosahexaenoic Acid- and Eicosapentaenoic Acid-Derived Metabolites in Kidneys of Aged Rats. PLoS ONE, 2015, 10, e0140884.	2.5	15
35	Chronic administration of theobromine inhibits mTOR signal in rats. Basic and Clinical Pharmacology and Toxicology, 2019, 124, 575-581.	2.5	15
36	β-amyloid infusion into lateral ventricle alters behavioral thermoregulation and attenuates acquired heat tolerance in rats. Temperature, 2015, 2, 418-424.	3.0	14

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37	Differential effects of docoosahexaenoic and arachidonic acid on fatty acid composition and myosin heavy chain-related genes of slow- and fast-twitch skeletal muscle tissues. Molecular and Cellular Biochemistry, 2016, 415, 169-181.	3.1	14
38	Enhanced nose-to-brain delivery of tranilast using liquid crystal formulations. Journal of Controlled Release, 2020, 325, 1-9.	9.9	14
39	Salivary Immunoglobulin A Secretion and Polymeric Ig Receptor Expression in the Submandibular Glands Are Enhanced in Heat-Acclimated Rats. International Journal of Molecular Sciences, 2020, 21, 815.	4.1	14
40	Cis-9,trans-11-conjugated linoleic acid promotes neuronal differentiation through regulation of Hes6 mRNA and cell cycle in cultured neural stem cells. Prostaglandins Leukotrienes and Essential Fatty Acids, 2011, 85, 163-169.	2.2	12
41	Prescription n-3 Fatty Acids, But Not Eicosapentaenoic Acid Alone, Improve Reference Memory-Related Learning Ability by Increasing Brain-Derived Neurotrophic Factor Levels in SHR.Cg-Lepr cp /NDmcr rats, A Metabolic Syndrome Model. Neurochemical Research, 2013, 38, 2124-2135.	3.3	12
42	Changes of noradrenaline-induced contractility and gene expression in aorta of rats acclimated to heat in two different modes. European Journal of Applied Physiology, 2008, 104, 29-40.	2.5	10
43	Krill-derived Phospholipids Rich in n-3 Fatty Acid Improve Spatial Memory in Adult Rats. Journal of Agricultural Science, 2011, 3, .	0.2	10
44	Effects of chronic administration of arachidonic acid on lipid profiles and morphology in the skeletal muscles of aged rats. Prostaglandins Leukotrienes and Essential Fatty Acids, 2014, 91, 119-127.	2.2	10
45	Long-term Heat Exposure Prevents Hypoxia-Induced Apoptosis in Mouse Fibroblast Cells. Cell Biochemistry and Biophysics, 2014, 70, 301-307.	1.8	10
46	Maternal dietary imbalance between omega-6 and omega-3 fatty acids triggers the offspring's overeating in mice. Communications Biology, 2020, 3, 473.	4.4	10
47	Effect of dietary n-3 fatty acids supplementation on fatty acid metabolism in atorvastatin-administered SHR.Cg-Leprcp/NDmcr rats, a metabolic syndrome model. Biomedicine and Pharmacotherapy, 2017, 85, 372-379.	5.6	9
48	Contribution of the Suprachiasmatic Nucleus to the Formation of a Time Memory for Heat Exposure in Rats. Journal of Physiological Sciences, 2007, 57, 107-114.	2.1	9
49	Docosahexaenoic Acid Helps to Lessen Extinction Memory in Rats. Molecules, 2018, 23, 451.	3.8	8
50	Effect of chronic administration of arachidonic acid on the performance of learning and memory in aged rats. Food and Nutrition Research, 2019, 63, .	2.6	6
51	Chronic Administration of Thymoquinone Enhances Adult Hippocampal Neurogenesis and Improves Memory in Rats Via Regulating the BDNF Signaling Pathway. Neurochemical Research, 2021, , 1.	3.3	6
52	Daily voluntary exercise enhances pilocarpineâ€induced saliva secretion and aquaporin 1 expression in rat submandibular glands. FEBS Open Bio, 2018, 8, 85-93.	2.3	5
53	Neurogenesis in the thermoregulatory system. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 156, 457-463.	1.8	5
54	Evaluation of the inhibitory effect of docosahexaenoic acid and arachidonic acid on the initial stage of amyloid β1-42 polymerization by fluorescence correlation spectroscopy. Advances in Alzheimer's Disease, 2013, 02, 66-72.	0.9	5

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55	Influence of Polyunsaturated Fatty Acid Intake on Kidney Functions of Rats with Chronic Renal Failure. Marine Drugs, 2021, 19, 692.	4.6	5
56	Capsaicin partially mimics heat in mouse fibroblast cells in vitro. Naunyn-Schmiedeberg's Archives of Pharmacology, 2017, 390, 281-289.	3.0	4
57	Heat attenuates sensitivity of mammalian cells to capsaicin. Journal of Biochemical and Molecular Toxicology, 2019, 33, e22288.	3.0	3
58	Ginger facilitates cell migration and heat tolerance in mouse fibroblast cells. Molecular Medicine Reports, 2021, 23, .	2.4	2
59	Sex Hormone Regulation of Rat Organic Anion Transporter 3 (rOAT3) Expression in Rat Kidney. Journal of Health Science, 2003, 49, 233-238.	0.9	1
60	Docosahexaenoic Acid and Cognitive Dysfunction. , 2011, , 1797-1813.		1
61	Theobromine, the primary methylxanthine found in Theobroma cacao, inhibits malignant glioblastoma cell growth by negatively regulating Akt/mammalian target of rapamycin kinase (LB836). FASEB Journal, 2014, 28, LB836.	0.5	1
62	EFFECT OF AMLODIPINE, A CALCIUM CHANNEL ANTAGONIST, ON CHOLESTEROL LEVELS IN THE CEREBRAL CORTEX AND HIPPOCAMPUS OF OBESE AND HYPERTENSIVE SHR.Cg-Leprcp/NDmcr RATS. Clinical and Experimental Pharmacology and Physiology, 2007, 34, S35-S36.	1.9	0
63	Docosahexaenoic acid controls the expression of Hes1 and p27 on the neural stem cell differentiation. Neuroscience Research, 2009, 65, S90.	1.9	0
64	Mechanisms of polyunsaturated fatty acid-induced neuronal differentiation of rat fetal neural stem cells. Journal of Lipid Nutrition, 2016, 25, 7-13.	0.1	0
65	The effect of exposure to mild heat stress on culture cells. FASEB Journal, 2015, 29, LB629.	0.5	0
66	Effect of Ginger Powder Extracts on Actin Assembly In Vitro. FASEB Journal, 2018, 32, lb420.	0.5	0