

Michio Hashimoto

List of Publications by Year in descending order

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47
papers

1,795
citations

394421

19
h-index

265206

42
g-index

47
all docs

47
docs citations

47
times ranked

1979
citing authors

#	ARTICLE	IF	CITATIONS
1	Docosahexaenoic acid provides protection from impairment of learning ability in Alzheimer's disease model rats. <i>Journal of Neurochemistry</i> , 2002, 81, 1084-1091.	3.9	324
2	Chronic Administration of Docosahexaenoic Acid Ameliorates the Impairment of Spatial Cognition Learning Ability in Amyloid β -Infused Rats. <i>Journal of Nutrition</i> , 2005, 135, 549-555.	2.9	258
3	Chronic Administration Of Docosahexaenoic Acid Improves The Performance Of Radial Arm Maze Task In Aged Rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2001, 28, 266-270.	1.9	183
4	Docosahexaenoic acid: one molecule diverse functions. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 579-597.	9.0	139
5	Antioxidative Effects of Docosahexaenoic Acid in the Cerebrum Versus Cerebellum and Brainstem of Aged Hypercholesterolemic Rats. <i>Journal of Neurochemistry</i> , 1999, 72, 1133-1138.	3.9	123
6	DOCOSAHEXAENOIC ACID-INDUCED PROTECTIVE EFFECT AGAINST IMPAIRED LEARNING IN AMYLOID β -INFUSED RATS IS ASSOCIATED WITH INCREASED SYNAPTOSOMAL MEMBRANE FLUIDITY. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006, 33, 934-939.	1.9	106
7	The Hypotensive Effect of Docosahexaenoic Acid Is Associated with the Enhanced Release of ATP from the Caudal Artery of Aged Rats. <i>Journal of Nutrition</i> , 1999, 129, 70-76.	2.9	78
8	Possibility of Polyunsaturated Fatty Acids for the Prevention and Treatment of Neuropsychiatric Illnesses. <i>Journal of Pharmacological Sciences</i> , 2014, 124, 294-300.	2.5	49
9	Beneficial effects of dietary docosahexaenoic acid intervention on cognitive function and mental health of the oldest elderly in Japanese care facilities and nursing homes. <i>Geriatrics and Gerontology International</i> , 2017, 17, 330-337.	1.5	37
10	Docosahexaenoic acid but not eicosapentaenoic acid withstands dietary cholesterol-induced decreases in platelet membrane fluidity. <i>Molecular and Cellular Biochemistry</i> , 2006, 293, 1-8.	3.1	34
11	Proximate composition and fatty acid analysis of <i>Lablab purpureus</i> (L.) legume seed: implicates to both protein and essential fatty acid supplementation. <i>SpringerPlus</i> , 2016, 5, 1899.	1.2	34
12	Theobromine Improves Working Memory by Activating the CaMKII/CREB/BDNF Pathway in Rats. <i>Nutrients</i> , 2019, 11, 888.	4.1	33
13	Omega-3 Fatty Acids Protect Renal Functions by Increasing Docosahexaenoic Acid-Derived Metabolite Levels in SHR.Cg-Leprcp/NDmcr Rats, a Metabolic Syndrome Model. <i>Molecules</i> , 2014, 19, 3247-3263.	3.8	29
14	Protective effects of prescription n-3 fatty acids against impairment of spatial cognitive learning ability in amyloid β -infused rats. <i>Food and Function</i> , 2011, 2, 386.	4.6	28
15	Direct exposure to mild heat promotes proliferation and neuronal differentiation of neural stem/progenitor cells in vitro. <i>PLoS ONE</i> , 2017, 12, e0190356.	2.5	27
16	Neural progenitor cell proliferation in the hypothalamus is involved in acquired heat tolerance in long-term heat-acclimated rats. <i>PLoS ONE</i> , 2017, 12, e0178787.	2.5	24
17	Intake of Alpha-Linolenic Acid-Rich <i>Perilla frutescens</i> Leaf Powder Decreases Home Blood Pressure and Serum Oxidized Low-Density Lipoprotein in Japanese Adults. <i>Molecules</i> , 2020, 25, 2099.	3.8	24
18	Twelve-Month Studies on <i>Perilla</i> Oil Intake in Japanese Adults—Possible Supplement for Mental Health. <i>Foods</i> , 2020, 9, 530.	4.3	21

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19	The binding of A β 1-42 to lipid rafts of RBC is enhanced by dietary docosahexaenoic acid in rats: Implicates to Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1402-1409.	2.6	20
20	Omega-3 fatty acid prevents the development of heart failure by changing fatty acid composition in the heart. <i>Scientific Reports</i> , 2020, 10, 15553.	3.3	19
21	The journey from white rice to ultra-high hydrostatic pressurized brown rice: an excellent endeavor for ideal nutrition from staple food. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 1502-1520.	10.3	18
22	Chronic Arachidonic Acid Administration Decreases Docosahexaenoic Acid- and Eicosapentaenoic Acid-Derived Metabolites in Kidneys of Aged Rats. <i>PLoS ONE</i> , 2015, 10, e0140884.	2.5	15
23	Highly water pressurized brown rice improves cognitive dysfunction in senescence-accelerated mouse prone 8 and reduces amyloid beta in the brain. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 110.	3.7	15
24	Perilla Seed Oil Enhances Cognitive Function and Mental Health in Healthy Elderly Japanese Individuals by Enhancing the Biological Antioxidant Potential. <i>Foods</i> , 2021, 10, 1130.	4.3	15
25	β -amyloid infusion into lateral ventricle alters behavioral thermoregulation and attenuates acquired heat tolerance in rats. <i>Temperature</i> , 2015, 2, 418-424.	3.0	14
26	Differential effects of docosahexaenoic and arachidonic acid on fatty acid composition and myosin heavy chain-related genes of slow- and fast-twitch skeletal muscle tissues. <i>Molecular and Cellular Biochemistry</i> , 2016, 415, 169-181.	3.1	14
27	Intake of Docosahexaenoic Acid-Enriched Milk Beverage Prevents Age-Related Cognitive Decline and Decreases Serum Bone Resorption Marker Levels. <i>Journal of Oleo Science</i> , 2021, 70, 1829-1838.	1.4	14
28	Perilla seed oil in combination with nobiletin-rich ponkan powder enhances cognitive function in healthy elderly Japanese individuals: a possible supplement for brain health in the elderly. <i>Food and Function</i> , 2022, 13, 2768-2781.	4.6	12
29	Cholesterol Lowering and Antioxidative Effect of Pregerminated Brown Rice in Hypercholesterolemic Rats. <i>Journal of Nutritional Science and Vitaminology</i> , 2019, 65, S93-S99.	0.6	11
30	Effects of chronic administration of arachidonic acid on lipid profiles and morphology in the skeletal muscles of aged rats. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2014, 91, 119-127.	2.2	10
31	Effects of aging on the relation of adenylyl purine release with plasma membrane fluidity of arterial endothelial cells. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2005, 73, 475-483.	2.2	8
32	Long-Term Ultra-High Hydrostatic Pressurized Brown Rice Intake Prevents Bone Mineral Density Decline in Elderly Japanese Individuals. <i>Journal of Nutritional Science and Vitaminology</i> , 2019, 65, S88-S92.	0.6	8
33	Beneficial effects of docosahexaenoic acid-enriched milk beverage intake on cognitive function in healthy elderly Japanese: A 12-month randomized, double-blind, placebo-controlled trial. <i>Journal of Functional Foods</i> , 2020, 74, 104195.	3.4	8
34	Docosahexaenoic Acid (DHA, C22:6, ω -3) Composition of Milk and Mammary Gland Tissues of Lactating Mother Rats Is Severely Affected by Lead (Pb) Exposure. <i>Biological Trace Element Research</i> , 2020, 195, 525-534.	3.5	6
35	Anredera cordifolia extract enhances learning and memory in senescence-accelerated mouse-prone 8 (SAMP8) mice. <i>Food and Function</i> , 2021, 12, 3992-4004.	4.6	6
36	Chronic Administration of Thymoquinone Enhances Adult Hippocampal Neurogenesis and Improves Memory in Rats Via Regulating the BDNF Signaling Pathway. <i>Neurochemical Research</i> , 2021, , 1.	3.3	6

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37	<i>Perilla frutescens</i> seed oil combined with <i>Anredera cordifolia</i> leaf powder attenuates age-related cognitive decline by reducing serum triglyceride and glucose levels in healthy elderly Japanese individuals: a possible supplement for brain health. <i>Food and Function</i> , 2022, 13, 7226-7239.	4.6	6
38	The interaction of Apolipoprotein A5 gene promoter region T-1131C polymorphism (rs12286037) and lifestyle modification on plasma triglyceride levels in Japanese. <i>Nutrition Research and Practice</i> , 2015, 9, 379.	1.9	5
39	Influence of Polyunsaturated Fatty Acid Intake on Kidney Functions of Rats with Chronic Renal Failure. <i>Marine Drugs</i> , 2021, 19, 692.	4.6	5
40	Lymph Node in Human Bone Marrow. <i>Pathology International</i> , 1957, 7, 33-48.	1.3	3
41	Light-microscopic Investigation of Reticuloendothelial Cells in the Bone Marrow. <i>Tohoku Journal of Experimental Medicine</i> , 1966, 89, 177-191.	1.2	3
42	Effects of Krill-derived phospholipid-enriched n ³ fatty acids on Ca ²⁺ regulation system in cerebral arteries from ovariectomized rats. <i>Life Sciences</i> , 2014, 100, 18-24.	4.3	3
43	A Study on Myocardial Fibrosis in Autopsy Cases. <i>Pathology International</i> , 1957, 7, 581-590.	1.3	0
44	NICORANDIL MAY CHANGE THE SYMPATHETIC NERVE ACTIVITY OF SHR.Cg-Leprcp/NDmcr RATS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007, 34, S31-S32.	1.9	0
45	Pathological Changes of the Bone Marrow in Leukemia and in Othier Malignant Neoplasma Following Chemotherapy. <i>Pathology International</i> , 1959, 9, 827-834.	1.3	0
46	Lablab purpureus (L) bean flour ameliorates plasma proteins and accretion of docosahexaenoic acid (DHA, 22:6, n ³) in the plasma, liver, and brain of malnourished rats. , 2020, 2, 181-193.		0
47	Prevention of Dementia with n ³ Fatty Acids-Up to Date. <i>Oleoscience</i> , 2022, 22, 327-335.	0.0	0