

Masanori Katakura

List of Publications by Year in descending order

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66
papers

2,115
citations

257101

24
h-index

233125

45
g-index

70
all docs

70
docs citations

70
times ranked

2726
citing authors

#	ARTICLE	IF	CITATIONS
1	Sex hormone-regulated renal transport of perfluorooctanoic acid. <i>Chemico-Biological Interactions</i> , 2002, 139, 301-316.	1.7	232
2	Long-Term Administration of Green Tea Catechins Improves Spatial Cognition Learning Ability in Rats. <i>Journal of Nutrition</i> , 2006, 136, 1043-1047.	1.3	187
3	Comparison of the elimination between perfluorinated fatty acids with different carbon chain length in rats. <i>Chemico-Biological Interactions</i> , 2001, 134, 203-216.	1.7	171
4	Green tea catechins prevent cognitive deficits caused by A β 1-40 in rats. <i>Journal of Nutritional Biochemistry</i> , 2008, 19, 619-626.	1.9	121
5	Docosahexaenoic acid promotes neuronal differentiation by regulating basic helix-loop-helix transcription factors and cell cycle in neural stem cells. <i>Neuroscience</i> , 2009, 160, 651-660.	1.1	104
6	Docosahexaenoylethanolamine is a potent neurogenic factor for neural stem cell differentiation. <i>Journal of Neurochemistry</i> , 2013, 125, 869-884.	2.1	84
7	Docosahexaenoic acid disrupts <i>in vitro</i> amyloid β 1-40 fibrillation and concomitantly inhibits amyloid levels in cerebral cortex of Alzheimer's disease model rats. <i>Journal of Neurochemistry</i> , 2008, 107, 1634-1646.	2.1	76
8	Induction by perfluorinated fatty acids with different carbon chain length of peroxisomal β -oxidation in the liver of rats. <i>Chemico-Biological Interactions</i> , 2000, 124, 119-132.	1.7	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. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 203-209.	1.2	69
10	Mechanism of docosahexaenoic acid-induced inhibition of <i>in vitro</i> A β 1-42 fibrillation and A β 1-42-induced toxicity in SH-SY5Y cells. <i>Journal of Neurochemistry</i> , 2009, 111, 568-579.	2.1	62
11	Omega-3 Polyunsaturated Fatty Acids Enhance Neuronal Differentiation in Cultured Rat Neural Stem Cells. <i>Stem Cells International</i> , 2013, 2013, 1-9.	1.2	59
12	Proliferation of neuronal progenitor cells and neuronal differentiation in the hypothalamus are enhanced in heat-acclimated rats. <i>Pflügers Archiv European Journal of Physiology</i> , 2009, 458, 661-673.	1.3	50
13	Rat Organic Anion Transporter 3 and Organic Anion Transporting Polypeptide 1 Mediate Perfluorooctanoic Acid Transport. <i>Journal of Health Science</i> , 2007, 53, 77-83.	0.9	49
14	Possibility of Polyunsaturated Fatty Acids for the Prevention and Treatment of Neuropsychiatric Illnesses. <i>Journal of Pharmacological Sciences</i> , 2014, 124, 294-300.	1.1	49
15	Theobromine up-regulates cerebral brain-derived neurotrophic factor and facilitates motor learning in mice. <i>Journal of Nutritional Biochemistry</i> , 2017, 39, 110-116.	1.9	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. <i>Geriatrics and Gerontology International</i> , 2017, 17, 330-337.	0.7	37
17	Docosahexaenoic acid withstands the A β 25-35-induced neurotoxicity in SH-SY5Y cells. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 22-29.	1.9	35
18	Effects of docosahexaenoic acid on <i>in vitro</i> amyloid beta peptide 25-35 fibrillation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 289-296.	1.2	33

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19	Theobromine Improves Working Memory by Activating the CaMKII/CREB/BDNF Pathway in Rats. <i>Nutrients</i> , 2019, 11, 888.	1.7	33
20	Sub-Chronic Consumption of Dark Chocolate Enhances Cognitive Function and Releases Nerve Growth Factors: A Parallel-Group Randomized Trial. <i>Nutrients</i> , 2019, 11, 2800.	1.7	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. <i>Molecules</i> , 2014, 19, 3247-3263.	1.7	29
22	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.	2.1	28
23	Direct exposure to mild heat promotes proliferation and neuronal differentiation of neural stem/progenitor cells in vitro. <i>PLoS ONE</i> , 2017, 12, e0190356.	1.1	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. <i>BMC Complementary and Alternative Medicine</i> , 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. <i>PLoS ONE</i> , 2017, 12, e0178787.	1.1	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. <i>Molecules</i> , 2020, 25, 2099.	1.7	24
27	Oral intake of encapsulated dried ginger root powder hardly affects human thermoregulatory function, but appears to facilitate fat utilization. <i>International Journal of Biometeorology</i> , 2015, 59, 1461-1474.	1.3	22
28	Hydrogen-rich water inhibits glucose and β -dicarbonyl compound-induced reactive oxygen species production in the SHR.Cg-Leprcp/NDmcr rat kidney. <i>Medical Gas Research</i> , 2012, 2, 18.	1.2	20
29	The binding of β -amyloid 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.	1.4	20
30	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.	1.6	19
31	Effects of hydrogen-rich water on abnormalities in a SHR.Cg-Leprcp/NDmcr rat - a metabolic syndrome rat model. <i>Medical Gas Research</i> , 2011, 1, 26.	1.2	17
32	Aging attenuates acquired heat tolerance and hypothalamic neurogenesis in rats. <i>Journal of Comparative Neurology</i> , 2015, 523, 1190-1201.	0.9	17
33	Effects of Long-Term Oral Administration of Arachidonic Acid and Docosahexaenoic Acid on the Immune Functions of Young Rats. <i>Nutrients</i> , 2013, 5, 1949-1961.	1.7	16
34	Chronic Arachidonic Acid Administration Decreases Docosahexaenoic Acid- and Eicosapentaenoic Acid-Derived Metabolites in Kidneys of Aged Rats. <i>PLoS ONE</i> , 2015, 10, e0140884.	1.1	15
35	Chronic administration of theobromine inhibits mTOR signal in rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019, 124, 575-581.	1.2	15
36	β -amyloid infusion into lateral ventricle alters behavioral thermoregulation and attenuates acquired heat tolerance in rats. <i>Temperature</i> , 2015, 2, 418-424.	1.7	14

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37	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.	1.4	14
38	Enhanced nose-to-brain delivery of tranilast using liquid crystal formulations. <i>Journal of Controlled Release</i> , 2020, 325, 1-9.	4.8	14
39	Salivary Immunoglobulin A Secretion and Polymeric Ig Receptor Expression in the Submandibular Glands Are Enhanced in Heat-Acclimated Rats. <i>International Journal of Molecular Sciences</i> , 2020, 21, 815.	1.8	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. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2011, 85, 163-169.	1.0	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. <i>Neurochemical Research</i> , 2013, 38, 2124-2135.	1.6	12
42	Changes of noradrenaline-induced contractility and gene expression in aorta of rats acclimated to heat in two different modes. <i>European Journal of Applied Physiology</i> , 2008, 104, 29-40.	1.2	10
43	Krill-derived Phospholipids Rich in n-3 Fatty Acid Improve Spatial Memory in Adult Rats. <i>Journal of Agricultural Science</i> , 2011, 3, .	0.1	10
44	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.	1.0	10
45	Long-term Heat Exposure Prevents Hypoxia-Induced Apoptosis in Mouse Fibroblast Cells. <i>Cell Biochemistry and Biophysics</i> , 2014, 70, 301-307.	0.9	10
46	Maternal dietary imbalance between omega-6 and omega-3 fatty acids triggers the offspring's overeating in mice. <i>Communications Biology</i> , 2020, 3, 473.	2.0	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. <i>Biomedicine and Pharmacotherapy</i> , 2017, 85, 372-379.	2.5	9
48	Contribution of the Suprachiasmatic Nucleus to the Formation of a Time Memory for Heat Exposure in Rats. <i>Journal of Physiological Sciences</i> , 2007, 57, 107-114.	0.9	9
49	Docosahexaenoic Acid Helps to Lessen Extinction Memory in Rats. <i>Molecules</i> , 2018, 23, 451.	1.7	8
50	Effect of chronic administration of arachidonic acid on the performance of learning and memory in aged rats. <i>Food and Nutrition Research</i> , 2019, 63, .	1.2	6
51	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.	1.6	6
52	Daily voluntary exercise enhances pilocarpine-induced saliva secretion and aquaporin 1 expression in rat submandibular glands. <i>FEBS Open Bio</i> , 2018, 8, 85-93.	1.0	5
53	Neurogenesis in the thermoregulatory system. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 156, 457-463.	1.0	5
54	Evaluation of the inhibitory effect of docosahexaenoic acid and arachidonic acid on the initial stage of amyloid β 1-42 polymerization by fluorescence correlation spectroscopy. <i>Advances in Alzheimer's Disease</i> , 2013, 02, 66-72.	0.3	5

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55	Influence of Polyunsaturated Fatty Acid Intake on Kidney Functions of Rats with Chronic Renal Failure. <i>Marine Drugs</i> , 2021, 19, 692.	2.2	5
56	Capsaicin partially mimics heat in mouse fibroblast cells in vitro. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2017, 390, 281-289.	1.4	4
57	Heat attenuates sensitivity of mammalian cells to capsaicin. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019, 33, e22288.	1.4	3
58	Ginger facilitates cell migration and heat tolerance in mouse fibroblast cells. <i>Molecular Medicine Reports</i> , 2021, 23, .	1.1	2
59	Sex Hormone Regulation of Rat Organic Anion Transporter 3 (rOAT3) Expression in Rat Kidney. <i>Journal of Health Science</i> , 2003, 49, 233-238.	0.9	1
60	Docosahexaenoic Acid and Cognitive Dysfunction. , 2011, , 1797-1813.		1
61	Theobromine, the primary methylxanthine found in <i>Theobroma cacao</i> , inhibits malignant glioblastoma cell growth by negatively regulating Akt/mammalian target of rapamycin kinase (LB836). <i>FASEB Journal</i> , 2014, 28, LB836.	0.2	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. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007, 34, S35-S36.	0.9	0
63	Docosahexaenoic acid controls the expression of Hes1 and p27 on the neural stem cell differentiation. <i>Neuroscience Research</i> , 2009, 65, S90.	1.0	0
64	Mechanisms of polyunsaturated fatty acid-induced neuronal differentiation of rat fetal neural stem cells. <i>Journal of Lipid Nutrition</i> , 2016, 25, 7-13.	0.1	0
65	The effect of exposure to mild heat stress on culture cells. <i>FASEB Journal</i> , 2015, 29, LB629.	0.2	0
66	Effect of Ginger Powder Extracts on Actin Assembly In Vitro. <i>FASEB Journal</i> , 2018, 32, lb420.	0.2	0