

Shiro Watanabe

List of Publications by Year in descending order

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83
papers

1,962
citations

257450

24
h-index

276875

41
g-index

83
all docs

83
docs citations

83
times ranked

1663
citing authors

#	ARTICLE	IF	CITATIONS
1	Bone marrow transplantation into <i>Abcd1</i> -deficient mice: Distribution of donor derived cells and biological characterization of the brain of the recipient mice. <i>Journal of Inherited Metabolic Disease</i> , 2021, 44, 718-727.	3.6	1
2	Generation of an immortalized astrocytic cell line from <i>Abcd1</i> -deficient H-2Kb ^{tsA58} mice to facilitate the study of the role of astrocytes in X-linked adrenoleukodystrophy. <i>Heliyon</i> , 2021, 7, e06228.	3.2	6
3	δ^7 -Linolenic acid in <i>Papilio machaon</i> larvae regurgitant induces a defensive response in Apiaceae. <i>Phytochemistry</i> , 2021, 188, 112796.	2.9	2
4	Acyl-CoA thioesterase activity of peroxisomal ABC protein ABCD1 is required for the transport of very long-chain acyl-CoA into peroxisomes. <i>Scientific Reports</i> , 2021, 11, 2192.	3.3	16
5	Triiodothyronine Aggravates Global Cerebral Ischemia-Induced Reperfusion Injury in Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2021, 44, 1824-1831.	1.4	2
6	Sidechain Diversification of Grandifloracin Allows Identification of Analogues with Enhanced Anti-Austerity Activity against Human PANC-1 Pancreatic Cancer Cells. <i>ChemMedChem</i> , 2020, 15, 125-135.	3.2	12
7	Boiogito extract alters fecal bile acid profile in mice: Possible roles in changes in fecal and liver lipid levels. <i>Traditional & Kampo Medicine</i> , 2020, 7, 138-145.	0.6	2
8	Bofutsushosan improves gut barrier function with a bloom of <i>Akkermansia muciniphila</i> and improves glucose metabolism in mice with diet-induced obesity. <i>Scientific Reports</i> , 2020, 10, 5544.	3.3	51
9	A New Monoterpenoid Glucoindole Alkaloid From <i>Dipsacus asper</i> . <i>Natural Product Communications</i> , 2020, 15, 1934578X2091729.	0.5	2
10	Boiogito prevents dietary lithocholic acid (LCA)-induced cholestatic liver injury through the suppression of intestinal LCA absorption. <i>Traditional & Kampo Medicine</i> , 2019, 6, 71.	0.6	1
11	Lysophosphatidic acid in medicinal herbs enhances prostaglandin E2 and protects against indomethacin-induced gastric cell damage in vivo and in vitro. <i>Prostaglandins and Other Lipid Mediators</i> , 2018, 135, 36-44.	1.9	16
12	Characterization of human ATP-binding cassette protein subfamily D reconstituted into proteoliposomes. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 1122-1127.	2.1	31
13	Ameliorative effect of animal bile preparations on dextran sulfate sodium-induced colitis in mice. <i>Traditional & Kampo Medicine</i> , 2018, 5, 67-74.	0.6	1
14	Effect of Lorenzo's Oil on Hepatic Gene Expression and the Serum Fatty Acid Level in <i>abcd1</i> -Deficient Mice. <i>JIMD Reports</i> , 2017, 38, 67-74.	1.5	3
15	Ursodeoxycholic Acid Suppresses Lipogenesis in Mouse Liver: Possible Role of the Decrease in δ^7 -Muricholic Acid, a Farnesoid X Receptor Antagonist. <i>Lipids</i> , 2017, 52, 335-344.	1.7	18
16	Dipasperoside B, a New Trisiridoid Glucoside from <i>Dipsacus asper</i> . <i>Natural Product Communications</i> , 2016, 11, 1934578X1601100.	0.5	1
17	Changes in liver lipidomics associated with sodium cholate-induced liver injury and its prevention by boiogito, a Japanese herbal medicine, in mice. <i>Traditional & Kampo Medicine</i> , 2016, 3, 9-19.	0.6	9
18	A novel method for determining peroxisomal fatty acid δ^7 -oxidation. <i>Journal of Inherited Metabolic Disease</i> , 2016, 39, 725-731.	3.6	2

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19	Dipasperoside B, a New Trisiridoid Glucoside from <i>Dipsacus asper</i> . <i>Natural Product Communications</i> , 2016, 11, 891-894.	0.5	2
20	Brain microsomal fatty acid elongation is increased in <i>abcd1</i> -deficient mouse during active myelination phase. <i>Metabolic Brain Disease</i> , 2015, 30, 1359-1367.	2.9	7
21	Chemical profiling with HPLC-FTMS of exogenous and endogenous chemicals susceptible to the administration of chitosan in an animal model of type 2 diabetes-induced dementia. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 104, 21-30.	2.8	20
22	Dietary Hyodeoxycholic Acid Exerts Hypolipidemic Effects by Reducing Farnesoid X Receptor Antagonist Bile Acids in Mouse Enterohepatic Tissues. <i>Lipids</i> , 2014, 49, 963-973.	1.7	24
23	Role of transient receptor potential vanilloid 4 activation in indomethacin-induced intestinal damage. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, G33-G40.	3.4	26
24	Dipasperoside A, a Novel Pyridine Alkaloid-Coupled Iridoid Glucoside from the Roots of <i>Dipsacus asper</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 1318-1322.	1.3	17
25	Eicosapentaenoic acid attenuates hepatic accumulation of cholesterol esters but aggravates liver injury and inflammation in mice fed a cholate-supplemented high-fat diet. <i>Journal of Toxicological Sciences</i> , 2013, 38, 379-390.	1.5	7
26	Evaluation of the Quality of Chinese and Vietnamese Cassia Using LC-MS and Multivariate Analysis. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	2
27	Cattle bile but not bear bile or pig bile induces lipid profile changes and fatty liver injury in mice: mediation by cholic acid. <i>Journal of Toxicological Sciences</i> , 2012, 37, 105-121.	1.5	18
28	A new methodology for simultaneous quantification of total- \hat{A}^2 , \hat{A}^2 -38, \hat{A}^2 -40, and \hat{A}^2 -42 by column-switching LC/MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2033-2042.	3.7	14
29	Cattle Bile Aggravates Diclofenac Sodium-Induced Small Intestinal Injury in Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-8.	1.2	1
30	Roles of bile acid conjugates and phospholipids in in vitro activation of pancreatic lipase by bear bile and cattle bile. <i>Journal of Ethnopharmacology</i> , 2009, 125, 203-206.	4.1	11
31	Differential modulation of lipopolysaccharide- and zymosan-induced hypophagia by dexamethasone treatment. <i>Pharmacology Biochemistry and Behavior</i> , 2008, 90, 428-433.	2.9	8
32	Chiisanoside Is Not Absorbed but Inhibits Oil Absorption in the Small Intestine of Rodents. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 1126-1129.	1.3	19
33	Differential Effects of Selective Cyclooxygenase (COX)-1 and COX-2 Inhibitors on Anorexic Response and Prostaglandin Generation in Various Tissues Induced by Zymosan. <i>Biological and Pharmaceutical Bulletin</i> , 2006, 29, 1319-1324.	1.4	18
34	Dietary Supplementation with n-3 Polyunsaturated Fatty Acids Attenuates the Depression of Food-Motivated Behavior during Zymosan-Induced Peritonitis. <i>Biological and Pharmaceutical Bulletin</i> , 2005, 28, 1291-1293.	1.4	8
35	The effect of fish oil on physical aggression in schoolchildren ? a randomized, double-blind, placebo-controlled trial. <i>Journal of Nutritional Biochemistry</i> , 2005, 16, 163-171.	4.2	88
36	Effect of \hat{A}^2 -3 fatty acid-containing phospholipids on blood catecholamine concentrations in healthy volunteers: a randomized, placebo-controlled, double-blind trial. <i>Nutrition</i> , 2005, 21, 705-710.	2.4	107

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37	Baicalein 5,6,7-trimethyl ether, a flavonoid derivative, stimulates fatty acid β -oxidation in skin fibroblasts of X-linked adrenoleukodystrophy. <i>FEBS Letters</i> , 2005, 579, 409-414.	2.8	23
38	Suicide attempt and n-3 fatty acid levels in red blood cells: A case control study in china. <i>Biological Psychiatry</i> , 2004, 56, 490-496.	1.3	153
39	Dietary n-3 fatty acids selectively attenuate LPS-induced behavioral depression in mice. <i>Physiology and Behavior</i> , 2004, 81, 605-613.	2.1	22
40	Effect of Dietary Enrichment with n-3 Polyunsaturated Fatty Acids (PUFA) or n-9 PUFA on Arachidonate Metabolism in Vivo and Experimentally Induced Inflammation in Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2004, 27, 319-323.	1.4	14
41	n ω -3 long-chain FA decrease serum levels of TG and remnant-like particle-cholesterol in humans. <i>Lipids</i> , 2003, 38, 353-358.	1.7	32
42	Cholesterol Synthesis in Mice Is Suppressed but Lipofuscin Formation Is Not Affected by Long-Term Feeding of n-3 Fatty Acid-Enriched Oils Compared with Lard and n-6 Fatty Acid-Enriched Oils. <i>Biological and Pharmaceutical Bulletin</i> , 2003, 26, 766-770.	1.4	49
43	The Effect of Docosahexaenoic Acid on Aggression in Elderly Thai Subjectsâ€”a Placebo-controlled Double-blind Study. <i>Nutritional Neuroscience</i> , 2002, 5, 37-41.	3.1	66
44	Effect of dietary oils enriched with n-3 fatty acids on survival of mice. <i>Journal of Nutritional Biochemistry</i> , 2001, 12, 474-480.	4.2	11
45	Change of oligosaccharides of rat brain microsomes depending on dietary fatty acids and learning task. <i>Journal of Neuroscience Research</i> , 2001, 63, 185-195.	2.9	6
46	Suppression of platelet-activating factor generation and modulation of arachidonate metabolism by dietary enrichment with (n-9) eicosatrienoic acid or docosahexaenoic acid in mouse peritoneal cells. <i>Prostaglandins and Other Lipid Mediators</i> , 2001, 66, 109-120.	1.9	17
47	Changes in major blood components after adopting the supine position during haemodialysis. <i>Nephrology Dialysis Transplantation</i> , 2001, 16, 798-802.	0.7	27
48	Supplementary Treatment of Atopic Dermatitis Patients by Choosing Foods to Lower the N-6/N-3 Ratio of Fatty Acids. <i>Journal of Health Science</i> , 2000, 46, 241-250.	0.9	6
49	Dietary docosahexaenoic acid ameliorates, but rapeseed oil and safflower oil accelerate renal injury in stroke-prone spontaneously hypertensive rats as compared with soybean oil, which is associated with expression for renal transforming growth factor- β , fibronectin and renin. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2000, 1483, 101-110.	2.4	22
50	Dietary docosahexaenoic acid enhances ferric nitrilotriacetate-induced oxidative damage in mice but not when additional α -tocopherol is supplemented. <i>Free Radical Research</i> , 1999, 30, 199-205.	3.3	5
51	Dietary α -linolenate suppresses endotoxin-induced platelet-activating factor production in rat kidney. <i>Lipids</i> , 1999, 34, 31-37.	1.7	6
52	Effects of Docosahexaenoic and Arachidonic Acids on the Synthesis and Distribution of Aminophospholipids during Neuronal Differentiation of PC12 Cells. <i>Archives of Biochemistry and Biophysics</i> , 1999, 364, 67-74.	3.0	41
53	Long-term n-3 Fatty Acid Deficiency Induces No Substantial Change in the Rate of Protein Synthesis in Rat Brain and Liver. <i>Biological and Pharmaceutical Bulletin</i> , 1999, 22, 775-779.	1.4	6
54	Development of glycosylated human interleukin-1alpha, neoglyco IL-1alpha, by coupling with D-galactose monosaccharide: biological activities in vitro. <i>Glycoconjugate Journal</i> , 1998, 15, 69-74.	2.7	6

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55	Absence of Relation Between the Expression of Cyclooxygenase Isoforms and the Synthesis of Prostaglandin E2 in Resident and Thioglycollate-Elicited Macrophages in Rats. Prostaglandins and Other Lipid Mediators, 1998, 56, 7-18.	1.9	6
56	Free fatty acid fractions from some vegetable oils exhibit reduced survival time-shortening activity in stroke-prone spontaneously hypertensive rats. Lipids, 1998, 33, 655-661.	1.7	39
57	Early mortality effect of partially hydrogenated vegetable oils in stroke-prone spontaneously hypertensive rats (SHRSP). Nutrition Research, 1998, 18, 1049-1056.	2.9	21
58	Effects of Dietary Unsaturated Fatty Acid and Chronic Carbon Tetrachloride Treatment on the Accumulation of Oxidation Products, .ALPHA.-Tocopherol and Liver Injury in Mice.. Biological and Pharmaceutical Bulletin, 1998, 21, 1050-1056.	1.4	11
59	Effect of Replacing a High Linoleate Oil with a Low Linoleate, High .ALPHA.-Linolenate Oil, as Compared with Supplementing EPA or DHA, on Reducing Lipid Mediator Production in Rat Polymorphonuclear Leukocytes.. Biological and Pharmaceutical Bulletin, 1998, 21, 558-564.	1.4	14
60	Protein Carbonyl Content Roughly Reflects the Unsaturation of Lipids in Muscle but Not in Other Tissues of Stroke-Prone Spontaneously Hypertensive Strain (SHRSP) Rats Fed Different Fats and Oils.. Biological and Pharmaceutical Bulletin, 1998, 21, 1271-1276.	1.4	12
61	Effects of Dietary Oils on the Survival Time and Renal Injury of Stroke-Prone Spontaneously Hypertensive Rats. International Heart Journal, 1998, 39, 575-575.	0.6	0
62	An Enzyme Immunoassay for Prostaglandin E2 Using Biotin-Prostaglandin B2 Conjugate as a Tracer.. Biological and Pharmaceutical Bulletin, 1997, 20, 101-103.	1.4	5
63	Possible mechanisms for the differential effects of high linoleate safflower oil and high $\hat{\pm}$ -linolenate perilla oil diets on platelet-activating factor production by rat polymorphonuclear leukocytes. Journal of Lipid Mediators and Cell Signalling, 1997, 17, 207-220.	0.9	11
64	A LONG-TERM FEEDING OF SPHINGOLIPIDS AFFECTED THE LEVELS OF PLASMA CHOLESTEROL AND HEPATIC TRIACYLGLYCEROL BUT NOT TISSUE PHOSPHOLIPIDS AND SPHINGOLIPIDS. Nutrition Research, 1997, 17, 111-114.	2.9	67
65	Effects of dietary docosahexaenoic acid on survival time and stroke-related behavior in stroke-prone spontaneously hypertensive rats. General Pharmacology, 1997, 29, 401-407.	0.7	15
66	Dietary Docosahexaenoic Acid Increases Cerebral Acetylcholine Levels and Improves Passive Avoidance Performance in Stroke-Prone Spontaneously Hypertensive Rats. Pharmacology Biochemistry and Behavior, 1997, 58, 1123-1129.	2.9	137
67	Membrane fatty acid modifications of PC12 cells by arachidonate or docosahexaenoate affect neurite outgrowth but not norepinephrine release. Neurochemical Research, 1997, 22, 671-678.	3.3	85
68	Docosahexaenoic acid-rich fish oil does not enhance the elevation of serum transaminase and liver triacylglycerol induced by carbon tetrachloride in mice. Lipids, 1997, 32, 1249-1255.	1.7	15
69	Unusual effects of some vegetable oils on the survival time of stroke-prone spontaneously hypertensive rats. Lipids, 1997, 32, 745-751.	1.7	59
70	Effects of Dietary Vegetable Oils on Behavior and Drug Responses in Mice.. Biological and Pharmaceutical Bulletin, 1996, 19, 400-404.	1.4	18
71	A High Linoleate and a High .ALPHA.-Linolenate Diet Induced Changes in Learning Behavior of Rats. Effects of a Shift in Diets and Reversal of Training Stimuli.. Biological and Pharmaceutical Bulletin, 1996, 19, 536-540.	1.4	39
72	Effect of Rapeseed and Dietary Oils on the Mean Survival Time of Stroke-Prone Spontaneously Hypertensive Rats.. Biological and Pharmaceutical Bulletin, 1996, 19, 554-557.	1.4	53

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73	Assessment of the possible adverse effects of oils enriched with n-3 fatty acids in rats: peroxisomal proliferation, mitochondrial dysfunctions and apoplexy. <i>Journal of Nutritional Biochemistry</i> , 1996, 7, 542-548.	4.2	14
74	Dietary High-Linoleate Safflower Oil Is Not Hypocholesterolemic in Aged Mice after a Long-Term Feeding-Comparison with Lard, Perilla Oil and Fish Oil.. <i>Biological and Pharmaceutical Bulletin</i> , 1995, 18, 485-490.	1.4	30
75	Effect of a High .ALPHA.-Linolenate and High Linoleate Diet on Membrane-Associated Enzyme Activities in Rat Brain - Modulation of Na ⁺ ,K ⁺ -ATPase Activity at Suboptimal Concentrations of ATP.. <i>Biological and Pharmaceutical Bulletin</i> , 1995, 18, 664-670.	1.4	34
76	A High $\hat{\pm}$ -Linolenate Diet Suppresses Antigen-Induced Immunoglobulin E Response and Anaphylactic Shock in Mice. <i>Journal of Nutrition</i> , 1994, 124, 1566-1573.	2.9	41
77	Lysophosphoinositide-specific phospholipase C in rat brain synaptic plasma membranes. <i>Neurochemical Research</i> , 1994, 19, 399-406.	3.3	34
78	Regulation by dietary essential fatty acid balance of tumor necrosis factor production in mouse macrophages. <i>Journal of Leukocyte Biology</i> , 1993, 53, 151-156.	3.3	32
79	Effect of dietary $\hat{\pm}$ -linolenate/linoleate balance on lipopolysaccharide-induced tumor necrosis factor production in mouse macrophages. <i>Life Sciences</i> , 1991, 48, 2013-2020.	4.3	37
80	Effect of dietary $\hat{\pm}$ -linolenate/linoleate balance on endotoxin-induced hepatitis in mice. <i>Lipids</i> , 1991, 26, 467-471.	1.7	12
81	Effect of dietary $\hat{\pm}$ -linolenate/linoleate balance on crescent type-anti-glomerular basement membrane nephritis in rats. <i>Lipids</i> , 1990, 25, 267-272.	1.7	12
82	Effect of dietary .ALPHA.-linolenate/linoleate balance on collagen-induced platelet aggregation and serotonin release in rats.. <i>Chemical and Pharmaceutical Bulletin</i> , 1989, 37, 1572-1575.	1.3	24
83	Fluctuations in the chemical constituents of Panax ginseng subterranean tissues with cultivation duration. <i>Traditional & Kampo Medicine</i> , 0, , .	0.6	0