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	Suicide attempt and n-3 fatty acid levels in red blood cells: A case control study in china. Biological Psychiatry, 2004, 56, 490-496.	1.3	153
2	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
3	Effect of Ï‰-3 fatty acid-containing phospholipids on blood catecholamine concentrations in healthy volunteers: a randomized, placebo-controlled, double-blind trial. Nutrition, 2005, 21, 705-710.	2.4	107
4	The effect of fish oil on physical aggression in schoolchildren ? a randomized, double-blind, placebo-controlled trial. Journal of Nutritional Biochemistry, 2005, 16, 163-171.	4.2	88
5	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
6	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
7	The Effect of Docosahexaenoic Acid on Aggression in Elderly Thai Subjectsâ€"a Placebo-controlled Double-blind Study. Nutritional Neuroscience, 2002, 5, 37-41.	3.1	66
8	Unusual effects of some vegetable oils on the survival time of stroke-prone spontaneously hypertensive rats. Lipids, 1997, 32, 745-751.	1.7	59
9	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
10	Bofutsushosan improves gut barrier function with a bloom of Akkermansia muciniphila and improves glucose metabolism in mice with diet-induced obesity. Scientific Reports, 2020, 10, 5544.	3.3	51
11	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. Biological and Pharmaceutical Bulletin, 2003, 26, 766-770.	1.4	49
12	A High Î±-Linolenate Diet Suppresses Antigen-Induced Immunoglobulin E Response and Anaphylactic Shock in Mice. Journal of Nutrition, 1994, 124, 1566-1573.	2.9	41
13	Effects of Docosahexaenoic and Arachidonic Acids on the Synthesis and Distribution of Aminophospholipids during Neuronal Differentiation of PC12 Cells. Archives of Biochemistry and Biophysics, 1999, 364, 67-74.	3.0	41
14	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
15	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
16	Effect of dietary Î±-linolenate/linoleate balance on lipopolysaccharide-induced tumor necrosis factor production in mouse macrophages. Life Sciences, 1991, 48, 2013-2020.	4.3	37
17	Lysophosphoinositide-specific phospholipase C in rat brain synaptic plasma membranes. Neurochemical Research, 1994, 19, 399-406.	3.3	34
18	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.. Biological and Pharmaceutical Bulletin, 1995, 18, 664-670.	1.4	34

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19	Regulation by dietary essential fatty acid balance of tumor necrosis factor production in mouse macrophages. Journal of Leukocyte Biology, 1993, 53, 151-156.	3.3	32
20	nâ^'3 long-chain FA decrease serum levels of TG and remnant-like particle-cholesterol in humans. Lipids, 2003, 38, 353-358.	1.7	32
21	Characterization of human ATP-binding cassette protein subfamily D reconstituted into proteoliposomes. Biochemical and Biophysical Research Communications, 2018, 496, 1122-1127.	2.1	31
22	Dietary High-Linoleate Safflower Oil Is Not Hypocholesterolemic in Aged Mice after a Long-Term Feeding-Comparison with Lard, Perilla Oil and Fish Oil.. Biological and Pharmaceutical Bulletin, 1995, 18, 485-490.	1.4	30
23	Changes in major blood components after adopting the supine position during haemodialysis. Nephrology Dialysis Transplantation, 2001, 16, 798-802.	0.7	27
24	Role of transient receptor potential vanilloid 4 activation in indomethacin-induced intestinal damage. American Journal of Physiology - Renal Physiology, 2014, 307, G33-G40.	3.4	26
25	Effect of dietary .ALPHA.-linolenate/linoleate balance on collagen-induced platelet aggregation and serotonin release in rats.. Chemical and Pharmaceutical Bulletin, 1989, 37, 1572-1575.	1.3	24
26	Dietary Hyodeoxycholic Acid Exerts Hypolipidemic Effects by Reducing Farnesoid X Receptor Antagonist Bile Acids in Mouse Enterohepatic Tissues. Lipids, 2014, 49, 963-973.	1.7	24
27	Baicalein 5,6,7-trimethyl ether, a flavonoid derivative, stimulates fatty acid Î²-oxidation in skin fibroblasts of X-linked adrenoleukodystrophy. FEBS Letters, 2005, 579, 409-414.	2.8	23
28	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-Î², fibronectin and renin. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2000, 1483, 101-110.	2.4	22
29	Dietary n-3 fatty acids selectively attenuate LPS-induced behavioral depression in mice. Physiology and Behavior, 2004, 81, 605-613.	2.1	22
30	Early mortality effect of partially hydrogenated vegetable oils in stroke-prone spontaneously hypertensive rats (SHRSP). Nutrition Research, 1998, 18, 1049-1056.	2.9	21
31	Chemical profiling with HPLC-FTMS of exogenous and endogenous chemicals susceptible to the administration of chotosan in an animal model of type 2 diabetes-induced dementia. Journal of Pharmaceutical and Biomedical Analysis, 2015, 104, 21-30.	2.8	20
32	Chiisanoside Is Not Absorbed but Inhibits Oil Absorption in the Small Intestine of Rodents. Bioscience, Biotechnology and Biochemistry, 2008, 72, 1126-1129.	1.3	19
33	Effects of Dietary Vegetable Oils on Behavior and Drug Responses in Mice.. Biological and Pharmaceutical Bulletin, 1996, 19, 400-404.	1.4	18
34	Differential Effects of Selective Cyclooxygenase (COX)-1 and COX-2 Inhibitors on Anorexic Response and Prostaglandin Generation in Various Tissues Induced by Zymosan. Biological and Pharmaceutical Bulletin, 2006, 29, 1319-1324.	1.4	18
35	Cattle bile but not bear bile or pig bile induces lipid profile changes and fatty liver injury in mice: mediation by cholic acid. Journal of Toxicological Sciences, 2012, 37, 105-121.	1.5	18
36	Ursodeoxycholic Acid Suppresses Lipogenesis in Mouse Liver: Possible Role of the Decrease in Î²â€Muricholic Acid, a Farnesoid X Receptor Antagonist. Lipids, 2017, 52, 335-344.	1.7	18

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37	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. Prostaglandins and Other Lipid Mediators, 2001, 66, 109-120.	1.9	17
38	Dipasperoside A, a Novel Pyridine Alkaloid-Coupled Iridoid Glucoside from the Roots of <i>Dipsacus asper</i>. Chemical and Pharmaceutical Bulletin, 2013, 61, 1318-1322.	1.3	17
39	Lysophosphatidic acid in medicinal herbs enhances prostaglandin E2 and protects against indomethacin-induced gastric cell damage in vivo and in vitro. Prostaglandins and Other Lipid Mediators, 2018, 135, 36-44.	1.9	16
40	Acyl-CoA thioesterase activity of peroxisomal ABC protein ABCD1 is required for the transport of very long-chain acyl-CoA into peroxisomes. Scientific Reports, 2021, 11, 2192.	3.3	16
41	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
42	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
43	Assessment of the possible adverse effects of oils enriched with n-3 fatty acids in rats: peroxisomal proliferation, mitochondrial dysfunctions and apoplexy. Journal of Nutritional Biochemistry, 1996, 7, 542-548.	4.2	14
44	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
45	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. Biological and Pharmaceutical Bulletin, 2004, 27, 319-323.	1.4	14
46	A new methodology for simultaneous quantification of total-AÎ², AÎ²x-38, AÎ²x-40, and AÎ²x-42 by column-switching LC/MS/MS. Analytical and Bioanalytical Chemistry, 2012, 402, 2033-2042.	3.7	14
47	Effect of dietary Î±-linolenate/linoleate balance on crescent type-anti-glomerular basement membrane nephritis in rats. Lipids, 1990, 25, 267-272.	1.7	12
48	Effect of dietary Î±-linolenate/linoleate balance on endotoxin-induced hepatitis in mice. Lipids, 1991, 26, 467-471.	1.7	12
49	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
50	Sidechain Diversification of Grandifloracin Allows Identification of Analogues with Enhanced Antiâ€Austerity Activity against Human PANCâ€1 Pancreatic Cancer Cells. ChemMedChem, 2020, 15, 125-135.	3.2	12
51	Possible mechanisms for the differential effects of high linoleate safflower oil and high Î±-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
52	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
53	Effect of dietary oils enriched with n-3 fatty acids on survival of mice. Journal of Nutritional Biochemistry, 2001, 12, 474-480.	4.2	11
54	Roles of bile acid conjugates and phospholipids in in vitro activation of pancreatic lipase by bear bile and cattle bile. Journal of Ethnopharmacology, 2009, 125, 203-206.	4.1	11

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55	Changes in liver lipidomics associated with sodium cholate-induced liver injury and its prevention by boiogito, a Japanese herbal medicine, in mice. Traditional & Kampo Medicine, 2016, 3, 9-19.	0.6	9
56	Dietary Supplementation with n-3 Polyunsaturated Fatty Acids Attenuates the Depression of Food-Motivated Behavior during Zymosan-Induced Peritonitis. Biological and Pharmaceutical Bulletin, 2005, 28, 1291-1293.	1.4	8
57	Differential modulation of lipopolysaccharide- and zymosan-induced hypophagia by dexamethasone treatment. Pharmacology Biochemistry and Behavior, 2008, 90, 428-433.	2.9	8
58	Eicosapentaenoic acid attenuates hepatic accumulation of cholesterol esters but aggravates liver injury and inflammation in mice fed a cholate-supplemented high-fat diet. Journal of Toxicological Sciences, 2013, 38, 379-390.	1.5	7
59	Brain microsomal fatty acid elongation is increased in abcd1-deficient mouse during active myelination phase. Metabolic Brain Disease, 2015, 30, 1359-1367.	2.9	7
60	Development of glycosylated human interleukin-1alpha, neoglyco IL-1alpha, by coupling with D-galactose monosaccharide: biological activities in vitro. Glycoconjugate Journal, 1998, 15, 69-74.	2.7	6
61	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
62	Dietary Î±-linolenate suppresses endotoxin-induced platelet-activating factor production in rat kidney. Lipids, 1999, 34, 31-37.	1.7	6
63	Long-term n-3 Fatty Acid Deficiency Induces No Substantial Change in the Rate of Protein Synthesis in Rat Brain and Liver.. Biological and Pharmaceutical Bulletin, 1999, 22, 775-779.	1.4	6
64	Supplementary Treatment of Atopic Dermatitis Patients by Choosing Foods to Lower the N-6/N-3 Ratio of Fatty Acids.. Journal of Health Science, 2000, 46, 241-250.	0.9	6
65	Change of oligosaccharides of rat brain microsomes depending on dietary fatty acids and learning task. Journal of Neuroscience Research, 2001, 63, 185-195.	2.9	6
66	Generation of an immortalized astrocytic cell line from Abcd1-deficient H-2KbtsA58 mice to facilitate the study of the role of astrocytes in X-linked adrenoleukodystrophy. Heliyon, 2021, 7, e06228.	3.2	6
67	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
68	Dietary docosahexaenoic acid enhances ferric nitrilotriacetate-induced oxidative damage in mice but not when additionalÎ±-tocopherol is supplemented. Free Radical Research, 1999, 30, 199-205.	3.3	5
69	Effect of Lorenzoâ€™s Oil on Hepatic Gene Expression and the Serum Fatty Acid Level in abcd1-Deficient Mice. JIMD Reports, 2017, 38, 67-74.	1.5	3
70	Evaluation of the Quality of Chinese and Vietnamese Cassia Using LC-MS and Multivariate Analysis. Natural Product Communications, 2013, 8, 1934578X1300800.	0.5	2
71	A novel method for determining peroxisomal fatty acid Î²â€oxidation. Journal of Inherited Metabolic Disease, 2016, 39, 725-731.	3.6	2
72	Boiogito extract alters fecal bile acid profile in mice: Possible roles in changes in fecal and liver lipid levels. Traditional & Kampo Medicine, 2020, 7, 138-145.	0.6	2

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73	Î±-Linolenic acid in Papilio machaon larvae regurgitant induces a defensive response in Apiaceae. Phytochemistry, 2021, 188, 112796.	2.9	2
74	A New Monoterpenoid Glucoindole Alkaloid FromDipsacus asper. Natural Product Communications, 2020, 15, 1934578X2091729.	0.5	2
75	Dipasperoside B, a New Trisiridoid Glucoside from Dipsacus asper. Natural Product Communications, 2016, 11, 891-894.	0.5	2
76	Triiodothyronine Aggravates Global Cerebral Ischemiaâ€“Reperfusion Injury in Mice. Biological and Pharmaceutical Bulletin, 2021, 44, 1824-1831.	1.4	2
77	Cattle Bile Aggravates Diclofenac Sodium-Induced Small Intestinal Injury in Mice. Evidence-based Complementary and Alternative Medicine, 2011, 2011, 1-8.	1.2	1
78	Dipasperoside B, a New Trisiridoid Glucoside from Dipsacus asper. Natural Product Communications, 2016, 11, 1934578X1601100.	0.5	1
79	Ameliorative effect of animal bile preparations on dextran sulfate sodiumâ€induced colitis in mice. Traditional & Kampo Medicine, 2018, 5, 67-74.	0.6	1
80	Boiogito prevents dietary lithocholic acid (LCA)â€induced cholestatic liver injury through the suppression of intestinal LCA absorption. Traditional & Kampo Medicine, 2019, 6, 71.	0.6	1
81	Bone marrow transplantation into Abcd1â€deficient mice: Distribution of donor derivedâ€cells and biological characterization of the brain of the recipient mice. Journal of Inherited Metabolic Disease, 2021, 44, 718-727.	3.6	1
82	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
83	Fluctuations in the chemical constituents of Panax ginseng subterranean tissues with cultivation duration. Traditional & Kampo Medicine, 0, , .	0.6	0