

Toshihiro Sakurai

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

717
citations

516710

16
h-index

580821

25
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50
all docs

50
docs citations

50
times ranked

924
citing authors

#	ARTICLE	IF	CITATIONS
1	Lysophosphatidylethanolamine Affects Lipid Accumulation and Metabolism in a Human Liver-Derived Cell Line. <i>Nutrients</i> , 2022, 14, 579.	4.1	30
2	Simple and Sensitive Method for the Quantitative Determination of Lipid Hydroperoxides by Liquid Chromatography/Mass Spectrometry. <i>Antioxidants</i> , 2022, 11, 229.	5.1	3
3	Food-Derived $\hat{1}^2$ -Carboline Alkaloids Ameliorate Lipid Droplet Accumulation in Human Hepatocytes. <i>Pharmaceuticals</i> , 2022, 15, 578.	3.8	2
4	Analysis of serum lysophosphatidylethanolamine levels in patients with non-alcoholic fatty liver disease by liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 245-254.	3.7	22
5	A mouse model of short-term, diet-induced fatty liver with abnormal cardiolipin remodeling via downregulated <i>Tafazzin</i> gene expression. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 4995-5001.	3.5	3
6	Comparison of dimension reduction methods on fatty acids food source study. <i>Scientific Reports</i> , 2021, 11, 18748.	3.3	3
7	Identification of molecular species of phosphatidylcholine hydroperoxides in native and copper-oxidized triglyceride-rich lipoproteins in humans. <i>Annals of Clinical Biochemistry</i> , 2020, 57, 95-98.	1.6	2
8	Multivariate Analysis for Molecular Species of Cholesteryl Ester in the Human Serum. <i>Analytical Sciences</i> , 2020, 36, 373-378.	1.6	1
9	Low-Density Lipoprotein (LDL)-Triglyceride and Its Ratio to LDL-Cholesterol as Diagnostic Biomarkers for Nonalcoholic Steatohepatitis. <i>Journal of applied laboratory medicine</i> , The, 2020, 5, 1206-1215.	1.3	4
10	A two-step homogeneous assay for apolipoprotein E-containing high-density lipoprotein-cholesterol. <i>Annals of Clinical Biochemistry</i> , 2019, 56, 123-132.	1.6	3
11	Novel Fluorescence-Based Method To Characterize the Antioxidative Effects of Food Metabolites on Lipid Droplets in Cultured Hepatocytes. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 9934-9941.	5.2	13
12	Circulating Apolipoprotein L1 is associated with insulin resistance-induced abnormal lipid metabolism. <i>Scientific Reports</i> , 2019, 9, 14869.	3.3	10
13	Cover Image, Volume 99, Issue 4. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, i-i.	3.5	0
14	Composition of plasmalogens in serum lipoproteins from patients with non-alcoholic steatohepatitis and their susceptibility to oxidation. <i>Clinica Chimica Acta</i> , 2019, 493, 1-7.	1.1	19
15	Apolipoprotein C-II Mimetic Peptide Promotes the Plasma Clearance of Triglyceride-Rich Lipid Emulsion and the Incorporation of Fatty Acids into Peripheral Tissues of Mice. <i>Journal of Nutrition and Metabolism</i> , 2019, 2019, 1-9.	1.8	14
16	Dietary salmon milt extracts attenuate hepatosteatosis and liver dysfunction in diet-induced fatty liver model. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 1675-1681.	3.5	6
17	Development of a novel fluorescent activity assay for lecithin:cholesterol acyltransferase. <i>Annals of Clinical Biochemistry</i> , 2018, 55, 414-421.	1.6	8
18	Effects of enzymes on elastic modulus of low-density lipoproteins were investigated using atomic force microscopy. <i>Biochemical and Biophysical Research Communications</i> , 2018, 501, 607-611.	2.1	2

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19	Dietary Î±â€cyclodextrin reduces atherosclerosis and modifies gut flora in apolipoprotein Eâ€deficient mice. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600804.	3.3	22
20	Longâ€chain monounsaturated fatty acidâ€rich fish oil attenuates the development of atherosclerosis in mouse models. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2208-2218.	3.3	21
21	Development of homogeneous assay for simultaneous measurement of apoE-deficient, apoE-containing, and total HDL-cholesterol. <i>Clinica Chimica Acta</i> , 2016, 454, 135-142.	1.1	16
22	Creation of Apolipoprotein C-II (ApoC-II) Mutant Mice and Correction of Their Hypertriglyceridemia with an ApoC-II Mimetic Peptide. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 356, 341-353.	2.5	46
23	Practical technique to quantify small, dense low-density lipoprotein cholesterol using dynamic light scattering. <i>Optical Review</i> , 2016, 23, 265-272.	2.0	0
24	A Novel Apolipoprotein C-II Mimetic Peptide That Activates Lipoprotein Lipase and Decreases Serum Triglycerides in Apolipoprotein Eâ€Knockout Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 352, 227-235.	2.5	48
25	Identification of molecular species of cholesteryl ester hydroperoxides in very low-density and intermediate-density lipoproteins. <i>Annals of Clinical Biochemistry</i> , 2014, 51, 662-671.	1.6	9
26	Evaluation of Antioxidant Activity of Natural and Synthetic Compounds Against LDL Oxidation Using CNT Electrode. <i>IEEE Sensors Journal</i> , 2014, 14, 532-537.	4.7	2
27	Serum choline plasmalogens, particularly those with oleic acid in sn-2, are associated with proatherogenic state. <i>Journal of Lipid Research</i> , 2014, 55, 956-965.	4.2	42
28	Serum choline plasmalogensâ€those with oleic acid in snâˆ’ 2â€are biomarkers for coronary artery disease. <i>Clinica Chimica Acta</i> , 2014, 437, 147-154.	1.1	33
29	Changes of lipoproteins in phenylalanine hydroxylase-deficient children during the first year of life. <i>Clinica Chimica Acta</i> , 2014, 433, 1-4.	1.1	6
30	Analysis of triacylglycerol hydroperoxides in human lipoproteins by Orbitrap mass spectrometer. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 4981-4987.	3.7	16
31	Quantification of urinary 18-hydroxycortisol using LC-MS/MS. <i>Annals of Clinical Biochemistry</i> , 2013, 50, 450-456.	1.6	6
32	Evaluation of Oxidized-Low-Density Lipoproteins Using Kelvin Force Microscopy. <i>IEEE Sensors Journal</i> , 2013, 13, 3449-3453.	4.7	3
33	Measurement of single low-density lipoprotein particles by atomic force microscopy. <i>Annals of Clinical Biochemistry</i> , 2013, 50, 564-570.	1.6	11
34	Effects of acid oxidation on carbon nanotube based electrodes for detection of oxidized LDL. , 2013, , .		0
35	Immunological detection of large oxidized lipoproteins in hypertriglyceridemic serum. <i>Annals of Clinical Biochemistry</i> , 2013, 50, 465-472.	1.6	2
36	Evaluation of Various Electrode Materials for Detection of Oxidized Low-Density Lipoproteins. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 303-306.	1.1	8

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37	Novel monoclonal antibody recognizing triglyceride-rich oxidized LDLs associated with severe liver disease and small oxidized LDLs in normal subjects. <i>Annals of Clinical Biochemistry</i> , 2012, 49, 456-462.	1.6	10
38	A novel murine model for non-alcoholic steatohepatitis developed by combination of a high-fat diet and oxidized low-density lipoprotein. <i>Laboratory Investigation</i> , 2012, 92, 265-281.	3.7	59
39	Application of Kelvin force microscopy for evaluation of oxidized low-density lipoprotein. , 2012, , .		1
40	Isolation and Characterization of a Phenolic Antioxidant from the Pacific Oyster (<i>Crassostrea gigas</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 830-835.	5.2	48
41	Quantitative determination of phosphatidylcholine hydroperoxides during copper oxidation of LDL and HDL by liquid chromatography/mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1831-1840.	3.7	36
42	Detection and characterization of cholesteryl ester hydroperoxides in oxidized LDL and oxidized HDL by use of an Orbitrap mass spectrometer. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 101-112.	3.7	24
43	A phenolic antioxidant from the Pacific oyster (<i>Crassostrea gigas</i>) inhibits oxidation of cultured human hepatocytes mediated by diphenyl-1-pyrenylphosphine. <i>Food Chemistry</i> , 2012, 134, 2086-2089.	8.2	29
44	Detection of oxidized LDL using a carbon nanotube electrode. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 833-836.	7.8	10
45	Measurement of lipoprotein particle sizes using dynamic light scattering. <i>Annals of Clinical Biochemistry</i> , 2010, 47, 476-481.	1.6	28
46	Fraction estimation of small, dense LDL using autocorrelation function of dynamic light scattering. <i>Optics Express</i> , 2010, 18, 6315.	3.4	9
47	An improved HPLC assay for phosphatidylcholine hydroperoxides (PCOOH) in human plasma with synthetic PCOOH as internal standard. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 857, 158-163.	2.3	26
48	Adverse Effects of Chrysene on Human Hepatocytes via Inducement of Oxidative Stress and Dysregulation of Xenobiotic Metabolism. <i>Polycyclic Aromatic Compounds</i> , 0, , 1-12.	2.6	1
49	Profiling of lysophosphatidylethanolamine molecular species in human serum and in silico prediction of the binding site on albumin. <i>BioFactors</i> , 0, , .	5.4	0