

Hitoshi Chiba

List of Publications by Year in descending order

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74
papers

1,111
citations

430874

18
h-index

501196

28
g-index

78
all docs

78
docs citations

78
times ranked

1249
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Anti-apoptotic effects of novel phenolic antioxidant isolated from the Pacific oyster (<i>Crassostrea</i>) Tj ETQq1 1 0.784314 rgBT /Overloc	8.2	46
4	Genetic mutations in adipose triglyceride lipase and myocardial up-regulation of peroxisome proliferated activated receptor- β in patients with triglyceride deposit cardiomyovasculopathy. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 574-579.	2.1	41
5	Comparison of chemical structures and cytoprotection abilities between direct and indirect antioxidants. <i>Journal of Functional Foods</i> , 2017, 35, 245-255.	3.4	41
6	Choline and Ethanolamine Plasmalogens Prevent Lead-Induced Cytotoxicity and Lipid Oxidation in HepG2 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 7716-7725.	5.2	39
7	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
8	Serum choline plasmalogens those with oleic acid in sn α 2 are biomarkers for coronary artery disease. <i>Clinica Chimica Acta</i> , 2014, 437, 147-154.	1.1	33
9	Determination of polycyclic aromatic hydrocarbon content in heat-treated meat retailed in Egypt: Health risk assessment, benzo[a]pyrene induced mutagenicity and oxidative stress in human colon (CaCo-2) cells and protection using rosmarinic and ascorbic acids. <i>Food Chemistry</i> , 2019, 290, 114-124.	8.2	31
10	Identification of short-chain fatty acid esters of hydroxy fatty acids (SFAHFAs) in a murine model by nontargeted analysis using ultra-high performance liquid chromatography/linear ion trap quadrupole-Orbitrap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8831.	1.5	31
11	Analyses for phosphatidylcholine hydroperoxides by LC/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 1677-1682.	2.3	30
12	Lysophosphatidylethanolamine Affects Lipid Accumulation and Metabolism in a Human Liver-Derived Cell Line. <i>Nutrients</i> , 2022, 14, 579.	4.1	30
13	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
14	Determination of Regioisomeric Hydroperoxides of Fatty Acid Cholesterol Esters Produced by Photosensitized Peroxidation Using HPLC. <i>Analytical Sciences</i> , 2000, 16, 1023-1028.	1.6	25
15	Untargeted Lipidomic Analysis of Plasma from High-fat Diet-induced Obese Rats Using UHPLC-Linear Trap Quadrupole-Orbitrap MS. <i>Analytical Sciences</i> , 2020, 36, 821-828.	1.6	25
16	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
17	Plasma capric acid concentrations in healthy subjects determined by high-performance liquid chromatography. <i>Annals of Clinical Biochemistry</i> , 2015, 52, 588-596.	1.6	22
18	Discovery of Eicosapentaenoic Acid Esters of Hydroxy Fatty Acids as Potent Nrf2 Activators. <i>Antioxidants</i> , 2020, 9, 397.	5.1	22

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19	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
20	Improved HPLC assay for lipid peroxides in human plasma using the internal standard of hydroperoxide. <i>Lipids</i> , 2005, 40, 515-522.	1.7	21
21	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
22	Determination of total, free and esterified short-chain fatty acid in human serum by liquid chromatography-mass spectrometry. <i>Annals of Clinical Biochemistry</i> , 2019, 56, 190-197.	1.6	19
23	Sphingosine-1-phosphate interactions in the spleen and heart reflect extent of cardiac repair in mice and failing human hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H599-H611.	3.2	18
24	Lipidomic Profiling on Oxidized Phospholipids in Type 2 Diabetes Mellitus Model Zebrafish. <i>Analytical Sciences</i> , 2018, 34, 1201-1208.	1.6	17
25	Flazin as a Promising Nrf2 Pathway Activator. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12844-12853.	5.2	17
26	Separating and Profiling Phosphatidylcholines and Triglycerides from Single Cellular Lipid Droplet by In-Tip Solvent Microextraction Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 4466-4471.	6.5	17
27	Analysis of triacylglycerol hydroperoxides in human lipoproteins by Orbitrap mass spectrometer. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 4981-4987.	3.7	16
28	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
29	Profiling of cardiolipins and their hydroperoxides in HepG2 cells by LC/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5735-5745.	3.7	16
30	Oyster extracts attenuate pathological changes in non-alcoholic steatohepatitis (NASH) mouse model. <i>Journal of Functional Foods</i> , 2016, 20, 516-531.	3.4	15
31	Quantitative and Comparative Investigation of Plasmalogen Species in Daily Foodstuffs. <i>Foods</i> , 2021, 10, 124.	4.3	15
32	Docosahexaenoic Acid Esters of Hydroxy Fatty Acid Is a Novel Activator of NRF2. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7598.	4.1	15
33	Synergistic Costimulatory Effect of <i>Chlamydia pneumoniae</i> with Carbon Nanoparticles on NLRP3 Inflammasome-Mediated Interleukin-1 β Secretion in Macrophages. <i>Infection and Immunity</i> , 2015, 83, 2917-2925.	2.2	14
34	Comprehensive lipidomic profiling in serum and multiple tissues from a mouse model of diabetes. <i>Metabolomics</i> , 2020, 16, 115.	3.0	14
35	Lipidomic analysis of non-esterified furan fatty acids and fatty acid compositions in dietary shellfish and salmon by UHPLC/LTQ-Orbitrap-MS. <i>Food Research International</i> , 2021, 144, 110325.	6.2	14
36	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

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37	Estimation of cadmium content in Egyptian foodstuffs: health risk assessment, biological responses of human HepG2 cells to food-relevant concentrations of cadmium, and protection trials using rosmarinic and ascorbic acids. <i>Environmental Science and Pollution Research</i> , 2019, 26, 15443-15457.	5.3	12
38	Detection and characterization of lipids in eleven species of fish by non-targeted liquid chromatography/mass spectrometry. <i>Food Chemistry</i> , 2022, 393, 133402.	8.2	12
39	Rapid tin-mediated access to a lysophosphatidylethanolamine (LPE) library: Application to positional LC/MS analysis for hepatic LPEs in non-alcoholic steatohepatitis model mice. <i>Chemistry and Physics of Lipids</i> , 2016, 200, 133-138.	3.2	11
40	Microwave-assisted Derivatization of Fatty Acids for Its Measurement in Milk Using High-Performance Liquid Chromatography. <i>Analytical Sciences</i> , 2018, 34, 575-582.	1.6	11
41	Appendicular muscle mass and exercise/sports participation history in young Japanese women. <i>Annals of Human Biology</i> , 2019, 46, 335-339.	1.0	10
42	Lipidomic profiling of dairy cattle oocytes by high performance liquid chromatography-high resolution tandem mass spectrometry for developmental competence markers. <i>Theriogenology</i> , 2020, 144, 56-66.	2.1	10
43	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
44	Change in Plasma Total, Esterified and Non-esterified Capric Acid Concentrations during a Short-term Oral Administration of Synthetic Tricaprin in Dogs. <i>Analytical Sciences</i> , 2017, 33, 1297-1303.	1.6	9
45	Selective improvement of peptides imaging on tissue by supercritical fluid wash of lipids for matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1475-1480.	3.7	8
46	Detection and Structural Characterization of SFAHFA Homologous Series in Mouse Colon Contents by LTQ-Orbitrap-MS and Their Implication in Influenza Virus Infection. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2196-2205.	2.8	8
47	Oxidative Stress Linked Organ Lipid Hydroperoxidation and Dysregulation in Mouse Model of Nonalcoholic Steatohepatitis: Revealed by Lipidomic Profiling of Liver and Kidney. <i>Antioxidants</i> , 2021, 10, 1602.	5.1	8
48	Defining the kinetic effects of infection with influenza virus A/PR8/34 (H1N1) on sphingosine-1-phosphate signaling in mice by targeted LC/MS. <i>Scientific Reports</i> , 2021, 11, 20161.	3.3	7
49	An epidemiological study of HBV, HCV and HTLV-I in Sherpas of Nepal. <i>Asian Pacific Journal of Cancer Prevention</i> , 2004, 5, 370-3.	1.2	7
50	Flazin as a Lipid Droplet Regulator against Lipid Disorders. <i>Nutrients</i> , 2022, 14, 1501.	4.1	7
51	Peripheral leukocyte anomaly detected with routine automated hematology analyzer sensitive to adipose triglyceride lipase deficiency manifesting neutral lipid storage disease with myopathy/triglyceride deposit cardiomyovasculopathy. <i>Molecular Genetics and Metabolism Reports</i> , 2014, 1, 249-253.	1.1	6
52	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
53	The Phenolic Antioxidant 3,5-dihydroxy-4-methoxybenzyl Alcohol (DHMBA) Prevents Enterocyte Cell Death under Oxygen-Dissolving Cold Conditions through Polyphyletic Antioxidant Actions. <i>Journal of Clinical Medicine</i> , 2021, 10, 1972.	2.4	6
54	Elastic modulus of low-density lipoprotein as potential indicator of its oxidation. <i>Annals of Clinical Biochemistry</i> , 2015, 52, 647-653.	1.6	5

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55	A fatty acid profiling method using liquid chromatography–high resolution mass spectrometry for improvement of assisted reproductive technology. <i>Clinica Chimica Acta</i> , 2016, 456, 100-106.	1.1	5
56	Synthesis of (2 ¹² ,3 ¹³ ,6-2H ³)cholesteryl linoleate and cholesteryl oleate as internal standards for mass spectrometry. <i>Steroids</i> , 2016, 107, 1-9.	1.8	4
57	Absolute quantification of cholesteryl esters using liquid chromatography-tandem mass spectrometry uncovers novel diagnostic potential of urinary sediment. <i>Steroids</i> , 2017, 123, 43-49.	1.8	4
58	Low-Density Lipoprotein (LDL)-Triglyceride and Its Ratio to LDL-Cholesterol as Diagnostic Biomarkers for Nonalcoholic Steatohepatitis. <i>Journal of applied laboratory medicine, The</i> , 2020, 5, 1206-1215.	1.3	4
59	Evaluation of Oxidized-Low-Density Lipoproteins Using Kelvin Force Microscopy. <i>IEEE Sensors Journal</i> , 2013, 13, 3449-3453.	4.7	3
60	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
61	A mouse model of short-term, diet-induced fatty liver with abnormal cardioplipin 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
62	Postpartum cows showed high oocyte triacylglycerols concurrently with high plasma free fatty acids. <i>Theriogenology</i> , 2021, 176, 174-182.	2.1	3
63	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
64	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
65	Early Diagnosis of Toxic Shock like Syndrome by Magnetic Resonance Imaging and Histopathology. <i>Nihon Kyukyu Igakukai Zasshi</i> , 2004, 15, 563-568.	0.0	2
66	Food-Derived ¹² -Carboline Alkaloids Ameliorate Lipid Droplet Accumulation in Human Hepatocytes. <i>Pharmaceuticals</i> , 2022, 15, 578.	3.8	2
67	Immunohistological study on bovine, swine and ovine skeletal muscle fibers for the localization of fatty acid translocase FAT/CD36. <i>Animal Science Journal</i> , 2004, 75, 155-159.	1.4	1
68	Application of Kelvin force microscopy for evaluation of oxidized low-density lipoprotein. , 2012, , .		1
69	Lack of HTLV-I carriers in the Sami, an ethnic group living in the Arctic area in Norway. <i>Asian Pacific Journal of Cancer Prevention</i> , 2004, 5, 50-3.	1.2	1
70	Effects of acid oxidation on carbon nanotube based electrodes for detection of oxidized LDL. , 2013, , .		0
71	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
72	Cover Image, Volume 99, Issue 4. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, i-i.	3.5	0

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73	Familial dysalbuminemic hyperthyroxinemia: A Japanese family and recent research progress.. Seibutsu Butsuri Kagaku, 2000, 44, 301-302.	0.1	0
74	Relationship between the exercise history from early childhood through adulthood and bone health determined using dual energy X-ray absorptiometry in young Japanese premenopausal females. Japanese Journal of Physical Fitness and Sports Medicine, 2014, 63, 305-312.	0.0	0