

Zhen Chen

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

618
citations

567281

15
h-index

677142

22
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47
all docs

47
docs citations

47
times ranked

789
citing authors

#	ARTICLE	IF	CITATIONS
1	24 <i>S</i> -Saringosterol from Edible Marine Seaweed <i>Sargassum fusiforme</i> Is a Novel Selective LXR ¹ Agonist. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 6130-6137.	5.2	81
2	Choline and Ethanalamine 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
3	Isolation of the Molecular Species of Monogalactosyldiacylglycerols from Brown Edible Seaweed <i>Sargassum horneri</i> and Their Inhibitory Effects on Triglyceride Accumulation in 3T3-L1 Adipocytes. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 11157-11162.	5.2	34
4	Microbiome Alteration in Type 2 Diabetes Mellitus Model of Zebrafish. <i>Scientific Reports</i> , 2019, 9, 867.	3.3	30
5	Lysophosphatidylethanolamine Affects Lipid Accumulation and Metabolism in a Human Liver-Derived Cell Line. <i>Nutrients</i> , 2022, 14, 579.	4.1	30
6	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
7	Identification of lead-produced lipid hydroperoxides in human HepG2 cells and protection using rosmarinic and ascorbic acids with a reference to their regulatory roles on Nrf2-Keap1 antioxidant pathway. <i>Chemico-Biological Interactions</i> , 2019, 314, 108847.	4.0	24
8	Comparative Studies on the Characteristic Fatty Acid Profiles of Four Different Chinese Medicinal <i>Sargassum</i> Seaweeds by GC-MS and Chemometrics. <i>Marine Drugs</i> , 2016, 14, 68.	4.6	22
9	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
10	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
11	Development and Validation of Quantitative ¹ H NMR Spectroscopy for the Determination of Total Phytosterols in the Marine Seaweed <i>Sargassum</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 6228-6232.	5.2	17
12	Lipidomic Profiling on Oxidized Phospholipids in Type 2 Diabetes Mellitus Model Zebrafish. <i>Analytical Sciences</i> , 2018, 34, 1201-1208.	1.6	17
13	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
14	Identification of novel biomarkers of hepatocellular carcinoma by high-definition mass spectrometry: Ultrahigh-performance liquid chromatography quadrupole time-of-flight mass spectrometry and desorption electrospray ionization mass spectrometry imaging. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8551.	1.5	17
15	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
16	Development of a simultaneous quantitation for short-, medium-, long-, and very long-chain fatty acids in human plasma by 2-nitrophenylhydrazine-derivatization and liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1126-1127, 121771.	2.3	16
17	Identification of cadmium-produced lipid hydroperoxides, transcriptomic changes in antioxidant enzymes, xenobiotic transporters, and pro-inflammatory markers in human breast cancer cells (MCF7) and protection with fat-soluble vitamins. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1978-1990.	5.3	15
18	Quantitative and Comparative Investigation of Plasmalogen Species in Daily Foodstuffs. <i>Foods</i> , 2021, 10, 124.	4.3	15

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19	Comprehensive lipidomic profiling in serum and multiple tissues from a mouse model of diabetes. <i>Metabolomics</i> , 2020, 16, 115.	3.0	14
20	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
21	Serum 25-hydroxyvitamin D ₃ levels and poor sleep quality in a Japanese population: the DOSANCO Health Study. <i>Sleep Medicine</i> , 2019, 57, 135-140.	1.6	13
22	Branched-chain amino acids and l-carnitine attenuate lipotoxic hepatocellular damage in rat cirrhotic liver. <i>Biomedicine and Pharmacotherapy</i> , 2021, 135, 111181.	5.6	12
23	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
24	Plasmalogen fingerprint alteration and content reduction in beef during boiling, roasting, and frying. <i>Food Chemistry</i> , 2020, 322, 126764.	8.2	11
25	Determination of Serum 25-Hydroxyvitamin D ₃ by LC/MS/MS and Its Monthly Variation in Sapporo Indoor Workers. <i>Analytical Sciences</i> , 2018, 34, 1043-1047.	1.6	10
26	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
27	Value of the Systemic Immune-Inflammatory Index (SII) in Predicting the Prognosis of Patients With Peripartum Cardiomyopathy. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 811079.	2.4	9
28	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
29	Flazin as a Lipid Droplet Regulator against Lipid Disorders. <i>Nutrients</i> , 2022, 14, 1501.	4.1	7
30	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
31	LC/MS analysis of storage-induced plasmalogen loss in ready-to-eat fish. <i>Food Chemistry</i> , 2022, 383, 132320.	8.2	6
32	Quantitative Evaluation on the Degradation Process of the Pulmonary Surfactant Monolayer When Exposed to Low-Level Ozone of Ambient Environment. <i>Analytical Chemistry</i> , 2022, 94, 8651-8658.	6.5	4
33	Serum 25-hydroxyvitamin D ₃ Levels and Diabetes in a Japanese Population: The DOSANCO Health Study. <i>Journal of Epidemiology</i> , 2021, , .	2.4	3
34	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
35	Comparison of dimension reduction methods on fatty acids food source study. <i>Scientific Reports</i> , 2021, 11, 18748.	3.3	3
36	Postpartum cows showed high oocyte triacylglycerols concurrently with high plasma free fatty acids. <i>Theriogenology</i> , 2021, 176, 174-182.	2.1	3

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37	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
38	Effect of charcoal grilling on polycyclic aromatic hydrocarbons (PAHs): content, composition, and health risk in edible fish in Japan. <i>Analytical Sciences</i> , 2022, 38, 515-523.	1.6	2
39	Giant Paraganglioma Complicated With Catecholamine Crisis and Catecholamine Cardiomyopathy: A Case Report and Review of the Literature. <i>Frontiers in Endocrinology</i> , 2021, 12, 790080.	3.5	2
40	Multivariate Analysis for Molecular Species of Cholesteryl Ester in the Human Serum. <i>Analytical Sciences</i> , 2020, 36, 373-378.	1.6	1
41	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
42	Cover Image, Volume 99, Issue 4. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, i-i.	3.5	0
43	HPLC with spectrophotometric or mass spectrometric detection for quantifying very-long chain fatty acids in human plasma and its association with cardiac risk factors. <i>Annals of Clinical Biochemistry</i> , 2021, 58, 400-410.	1.6	0