Zhen Chen

List of Publications by Year
in descending order

43	618	567281 15	677142 22
papers	citations	h-index	g-index

47	47	47	789
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of charcoal grilling on polycyclic aromatic hydrocarbons (PAHs): content, composition, and health risk in edible fish in Japan. Analytical Sciences, 2022, 38, 515-523.	1.6	2
2	Lysophosphatidylethanolamine Affects Lipid Accumulation and Metabolism in a Human Liver-Derived Cell Line. Nutrients, 2022, 14, 579.	4.1	30
3	LC/MS analysis of storage-induced plasmalogen loss in ready-to-eat fish. Food Chemistry, 2022, 383, 132320.	8.2	6
4	Value of the Systemic Immune-Inflammatory Index (SII) in Predicting the Prognosis of Patients With Peripartum Cardiomyopathy. Frontiers in Cardiovascular Medicine, 2022, 9, 811079.	2.4	9
5	Flazin as a Lipid Droplet Regulator against Lipid Disorders. Nutrients, 2022, 14, 1501.	4.1	7
6	Quantitative Evaluation on the Degradation Process of the Pulmonary Surfactant Monolayer When Exposed to Low-Level Ozone of Ambient Environment. Analytical Chemistry, 2022, 94, 8651-8658.	6.5	4
7	Analysis of serum lysophosphatidylethanolamine levels in patients with non-alcoholic fatty liver disease by liquid chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2021, 413, 245-254.	3.7	22
8	Serum 25-hydroxyvitamin D₃ Levels and Diabetes in a Japanese Population: The DOSANCO Health Study. Journal of Epidemiology, 2021, , .	2.4	3
9	Quantitative and Comparative Investigation of Plasmalogen Species in Daily Foodstuffs. Foods, 2021, 10, 124.	4.3	15
10	A mouse model of shortâ€term, dietâ€induced fatty liver with abnormal cardiolipin remodeling via downregulated Tafazzin gene expression. Journal of the Science of Food and Agriculture, 2021, 101, 4995-5001.	3.5	3
11	Branched-chain amino acids and l-carnitine attenuate lipotoxic hepatocellular damage in rat cirrhotic liver. Biomedicine and Pharmacotherapy, 2021, 135, 111181.	5.6	12
12	HPLC with spectrophotometric or mass spectrometric detection for quantifying very-long chain fatty acids in human plasma and its association with cardiac risk factors. Annals of Clinical Biochemistry, 2021, 58, 400-410.	1.6	0
13	Comparison of dimension reduction methods on fatty acids food source study. Scientific Reports, 2021, 11, 18748.	3.3	3
14	Oxidative Stress Linked Organ Lipid Hydroperoxidation and Dysregulation in Mouse Model of Nonalcoholic Steatohepatitis: Revealed by Lipidomic Profiling of Liver and Kidney. Antioxidants, 2021, 10, 1602.	5.1	8
15	Postpartum cows showed high oocyte triacylglycerols concurrently with high plasma free fatty acids. Theriogenology, 2021, 176, 174-182.	2.1	3
16	Giant Paraganglioma Complicated With Catecholamine Crisis and Catecholamine Cardiomyopathy: A Case Report and Review of the Literature. Frontiers in Endocrinology, 2021, 12, 790080.	3.5	2
17	Identification of molecular species of phosphatidylcholine hydroperoxides in native and copper-oxidized triglyceride-rich lipoproteins in humans. Annals of Clinical Biochemistry, 2020, 57, 95-98.	1.6	2
18	Identification of novel biomarkers of hepatocellular carcinoma by highâ€definition mass spectrometry: Ultrahighâ€performance liquid chromatography quadrupole timeâ€ofâ€flight mass spectrometry and desorption electrospray ionization mass spectrometry imaging. Rapid Communications in Mass Spectrometry, 2020, 34, e8551.	1.5	17

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19	Lipidomic profiling of dairy cattle oocytes by high performance liquid chromatography-high resolution tandem mass spectrometry for developmental competence markers. Theriogenology, 2020, 144, 56-66.	2.1	10
20	Multivariate Analysis for Molecular Species of Cholesteryl Ester in the Human Serum. Analytical Sciences, 2020, 36, 373-378.	1.6	1
21	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. Environmental Science and Pollution Research, 2020, 27, 1978-1990.	5.3	15
22	Comprehensive lipidomic profiling in serum and multiple tissues from a mouse model of diabetes. Metabolomics, 2020, 16, 115.	3.0	14
23	Plasmalogen fingerprint alteration and content reduction in beef during boiling, roasting, and frying. Food Chemistry, 2020, 322, 126764.	8.2	11
24	Untargeted Lipidomic Analysis of Plasma from High-fat Diet-induced Obese Rats Using UHPLCâ€“Linear Trap Quadrupoleâ€“Orbitrap MS. Analytical Sciences, 2020, 36, 821-828.	1.6	25
25	Novel Fluorescence-Based Method To Characterize the Antioxidative Effects of Food Metabolites on Lipid Droplets in Cultured Hepatocytes. Journal of Agricultural and Food Chemistry, 2019, 67, 9934-9941.	5.2	13
26	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. Chemico-Biological Interactions, 2019, 314, 108847.	4.0	24
27	Development of a simultaneous quantitation for short-, medium-, long-, and very long-chain fatty acids in human plasma by 2-nitrophenylhydrazine-derivatization and liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1126-1127, 121771.	2.3	16
28	Microbiome Alteration in Type 2 Diabetes Mellitus Model of Zebrafish. Scientific Reports, 2019, 9, 867.	3.3	30
29	Cover Image, Volume 99, Issue 4. Journal of the Science of Food and Agriculture, 2019, 99, i-i.	3.5	0
30	Choline and Ethanolamine Plasmalogens Prevent Lead-Induced Cytotoxicity and Lipid Oxidation in HepG2 Cells. Journal of Agricultural and Food Chemistry, 2019, 67, 7716-7725.	5.2	39
31	Serum 25-hydroxyvitamin D3 levels and poor sleep quality in a Japanese population: the DOSANCO Health Study. Sleep Medicine, 2019, 57, 135-140.	1.6	13
32	Separating and Profiling Phosphatidylcholines and Triglycerides from Single Cellular Lipid Droplet by In-Tip Solvent Microextraction Mass Spectrometry. Analytical Chemistry, 2019, 91, 4466-4471.	6.5	17
33	Dietary salmon milt extracts attenuate hepatosteatosis and liver dysfunction in dietâ€induced fatty liver model. Journal of the Science of Food and Agriculture, 2019, 99, 1675-1681.	3.5	6
34	Determination of total, free and esterified short-chain fatty acid in human serum by liquid chromatography-mass spectrometry. Annals of Clinical Biochemistry, 2019, 56, 190-197.	1.6	19
35	Microwave-assisted Derivatization of Fatty Acids for Its Measurement in Milk Using High-Performance Liquid Chromatography. Analytical Sciences, 2018, 34, 575-582.	1.6	11
36	Lipidomic Profiling on Oxidized Phospholipids in Type 2 Diabetes Mellitus Model Zebrafish. Analytical Sciences, 2018, 34, 1201-1208.	1.6	17

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37	Determination of Serum 25-Hydroxyvitamin D3 by LC/MS/MS and Its Monthly Variation in Sapporo Indoor Workers. Analytical Sciences, 2018, 34, 1043-1047.	1.6	10
38	Profiling of cardiolipins and their hydroperoxides in HepG2 cells by LC/MS. Analytical and Bioanalytical Chemistry, 2017, 409, 5735-5745.	3.7	16
39	Comparative Studies on the Characteristic Fatty Acid Profiles of Four Different Chinese Medicinal Sargassum Seaweeds by GC-MS and Chemometrics. Marine Drugs, 2016, 14, 68.	4.6	22
40	Development and Validation of Quantitative ¹H NMR Spectroscopy for the Determination of Total Phytosterols in the Marine Seaweed Sargassum. Journal of Agricultural and Food Chemistry, 2016, 64, 6228-6232.	5.2	17
41	Isolation of the Molecular Species of Monogalactosyldiacylglycerols from Brown Edible Seaweed Sargassum horneri and Their Inhibitory Effects on Triglyceride Accumulation in 3T3-L1 Adipocytes. Journal of Agricultural and Food Chemistry, 2014, 62, 11157-11162.	5.2	34
42	24(S)-Saringosterol from Edible Marine Seaweed Sargassum fusiforme Is a Novel Selective LXRÎ² Agonist. Journal of Agricultural and Food Chemistry, 2014, 62, 6130-6137.	5.2	81
43	Adverse Effects of Chrysene on Human Hepatocytes via Inducement of Oxidative Stress and Dysregulation of Xenobiotic Metabolism. Polycyclic Aromatic Compounds, 0, , 1-12.	2.6	1