Jetty Chung-Yung Lee

List of Publications by Year
in descending order

91 papers	3,571 citations	109321 35 h-index	149698 56 g-index
97 all docs	97 docs citations	97 times ranked	4746 citing authors

#	Article	IF	Citations
1	Oxidative damage in Parkinson disease: Measurement using accurate biomarkers. Free Radical Biology and Medicine, 2010, 48, 560-566.	2.9	226
2	Physiological role of reactive oxygen species as promoters of natural defenses. FASEB Journal, 2017, 31, 3729-3745.	0.5	175
3	Using Isoprostanes as Biomarkers of Oxidative Stress: Some Rarely Considered Issues. Antioxidants and Redox Signaling, 2010, 13, 145-156.	5.4	168
4	Biomarkers of oxidative damage in cigarette smokers: Which biomarkers might reflect acute versus chronic oxidative stress?. Free Radical Biology and Medicine, 2011, 50, 1787-1793.	2.9	135
5	Isoprostanes, neuroprostanes and phytoprostanes: An overview of 25 years of research in chemistry and biology. Progress in Lipid Research, 2017, 68, 83-108.	11.6	130
6	Vitamin E Supplementation Improves Cell-Mediated Immunity and Oxidative Stress of Asian Men and Women. Journal of Nutrition, 2000, 130, 2932-2937.	2.9	100
7	An open-label trial in Friedreich ataxia suggests clinical benefit with high-dose resveratrol, without effect on frataxin levels. Journal of Neurology, 2015, 262, 1344-1353.	3.6	89
8	Different Patterns of Oxidized Lipid Products in Plasma and Urine of Dengue Fever, Stroke, and Parkinson's Disease Patients: Cautions in the Use of Biomarkers of Oxidative Stress. Antioxidants and Redox Signaling, 2009, 11, 407-420.	5.4	88
9	Developments in understanding and applying prebiotics in research and practiceâ€”an ISAPP conference paper. Journal of Applied Microbiology, 2020, 128, 934-949.	3.1	85
10	Measurement of F2-isoprostanes, hydroxyeicosatetraenoic products, and oxysterols from a single plasma sample. Free Radical Biology and Medicine, 2008, 44, 1314-1322.	2.9	83
11	Oral zinc supplementation does not improve oxidative stress or vascular function in patients with type 2 diabetes with normal zinc levels. Atherosclerosis, 2011, 219, 231-239.	0.8	73
12	Oxidative Damage in Ischemic Stroke Revealed Using Multiple Biomarkers. Stroke, 2011, 42, 2326-2329.	2.0	68
13	Rapid preparation of human urine and plasma samples for analysis of F2-isoprostanes by gas chromatography-mass spectrometry. Biochemical and Biophysical Research Communications, 2004, 320, 696-702.	2.1	67
14	Simultaneous quantitative profiling of 20 isoprostanoids from omega-3 and omega-6 polyunsaturated fatty acids by LCâ€“MS/MS in various biological samples. Analytica Chimica Acta, 2016, 921, 46-58.	5.4	66
15	Non-enzymatic lipid oxidation products in biological systems: Assessment of the metabolites from polyunsaturated fatty acids. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 964, 65-78.	2.3	65
16	Lutein Supplementation for Eye Diseases. Nutrients, 2020, 12, 1721.	4.1	64
17	The identification of antioxidants in dark soy sauce. Free Radical Research, 2007, 41, 479-488.	3.3	60
18	Oxidative damage in dengue fever. Free Radical Biology and Medicine, 2009, 47, 375-380.	2.9	60

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19	Nonenzymatic lipid mediators, neuroprostanes, exert the antiarrhythmic properties of docosahexaenoic acid. Free Radical Biology and Medicine, 2015, 86, 269-278.	2.9	59
20	Short-term control of capsaicin on blood and oxidative stress of ratsin vivo. Phytotherapy Research, 2003, 17, 454-458.	5.8	57
21	Allantoin in Human Plasma, Serum, and Nasal-Lining Fluids as a Biomarker of Oxidative Stress: Avoiding Artifacts and Establishing Realin vivoConcentrations. Antioxidants and Redox Signaling, 2009, 11, 1767-1776.	5.4	54
22	Relevance of Fatty Acids to Sperm Maturation and Quality. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-14.	4.0	53
23	Non-enzymatic cyclic oxygenated metabolites of adrenic, docosahexaenoic, eicosapentaenoic and Î±-linolenic acids; bioactivities and potential use as biomarkers. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 446-455.	2.4	51
24	Effects of in Utero PFOS Exposure on Transcriptome, Lipidome, and Function of Mouse Testis. Environmental Science & Technology, 2017, 51, 8782-8794.	10.0	51
25	Cautions in the use of biomarkers of oxidative damage; the vascular and antioxidant effects of dark soy sauce in humans. Biochemical and Biophysical Research Communications, 2006, 344, 906-911.	2.1	50
26	Water self-diffusion in chlorella sp. studied by pulse field gradient NMR. Magnetic Resonance Imaging, 2003, 21, 1009-1017.	1.8	49
27	Synthesis and discovery of phytofurans: metabolites of Î±-linolenic acid peroxidation. Chemical Communications, 2015, 51, 15696-15699.	4.1	47
28	Nano-sized zinc oxide and silver, but not titanium dioxide, induce innate and adaptive immunity and antiviral response in differentiated THP-1 cells. Nanotoxicology, 2017, 11, 936-951.	3.0	47
29	Water self-diffusion behavior in yeast cells studied by pulsed field gradient NMR. Biophysical Chemistry, 2003, 104, 121-130.	2.8	46
30	Synthesis, Discovery, and Quantitation of Dihomoâ€isofurans: Biomarkers for In Vivo Adrenic Acid Peroxidation. Angewandte Chemie - International Edition, 2014, 53, 6249-6252.	13.8	44
31	Profiling of Omega-Polyunsaturated Fatty Acids and Their Oxidized Products in Salmon after Different Cooking Methods. Antioxidants, 2018, 7, 96.	5.1	41
32	Total Syntheses and In Vivo Quantitation of Novel Neurofuran and Dihomoâ€isofuran Derived from Docosahexaenoic Acid and Adrenic Acid. Chemistry - A European Journal, 2015, 21, 2442-2446.	3.3	39
33	Effects of Lactic Acid Bacteriaâ€Fermented Soymilk on Isoflavone Metabolites and Shortâ€Chain Fatty Acids Excretion and Their Modulating Effects on Gut Microbiota. Journal of Food Science, 2019, 84, 1854-1863.	3.1	39
34	Dietary Fiber from Oat and Rye Brans Ameliorate Western Dietâ€“Induced Body Weight Gain and Hepatic Inflammation by the Modulation of Shortâ€Chain Fatty Acids, Bile Acids, and Tryptophan Metabolism. Molecular Nutrition and Food Research, 2021, 65, e1900580.	3.3	39
35	Lack of effect of acute oral ingestion of vitamin C on oxidative stress, arterial stiffness or blood pressure in healthy subjects. Free Radical Research, 2008, 42, 514-522.	3.3	38
36	Does Influenza A Infection Increase Oxidative Damage?. Antioxidants and Redox Signaling, 2014, 21, 1025-1031.	5.4	38

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37	Non-enzymatic oxidized metabolite of DHA, 4(RS)-4-F4t-neuroprostane protects the heart against reperfusion injury. Free Radical Biology and Medicine, 2017, 102, 229-239.	2.9	38
38	Moving forward with isoprostanes, neuroprostanes and phytoprostanes: where are we now?. Essays in Biochemistry, 2020, 64, 463-484.	4.7	35
39	Interaction of Polyphenols as Antioxidant and Anti-Inflammatory Compounds in Brainâ€“Liverâ€“Gut Axis. Antioxidants, 2020, 9, 669.	5.1	34
40	The novelty of phytofurans, isofurans, dihomo-isofurans and neurofurans: Discovery, synthesis and potential application. Biochimie, 2016, 130, 49-62.	2.6	33
41	Markers of Oxidative Damage Are Not Elevated in Otherwise Healthy Individuals With the Metabolic Syndrome. Diabetes Care, 2010, 33, 1140-1142.	8.6	31
42	Rheological properties of erythrocytes from male hypercholesterolemia. Microvascular Research, 2004, 67, 133-138.	2.5	30
43	Profiling of oxidized lipid products of marine fish under acute oxidative stress. Food and Chemical Toxicology, 2013, 53, 205-213.	3.6	30
44	Relevance of 4-F4t-neuroprostane and 10-F4t-neuroprostane to neurological diseases. Free Radical Biology and Medicine, 2018, 115, 278-287.	2.9	30
45	Microbubble-mediated sonoporation amplified lipid peroxidation of Jurkat cells. Chemistry and Physics of Lipids, 2014, 180, 53-60.	3.2	29
46	Non-enzymatic cyclic oxygenated metabolites of omega-3 polyunsaturated fatty acid: Bioactive drugs?. Biochimie, 2016, 120, 56-61.	2.6	29
47	Current development in non-enzymatic lipid peroxidation products, isoprostanoids and isofuranoids, in novel biological samples. Free Radical Research, 2015, 49, 816-826.	3.3	28
48	Special Issue on â€œAnalytical Methods for Oxidized Biomolecules and Antioxidantsâ€•The use of isoprostanoids as biomarkers of oxidative damage, and their role in human dietary intervention studies. Free Radical Research, 2015, 49, 583-598.	3.3	25
49	Lactobacillus rhamnosus GG and Oat Betaâ€Glucan Regulated Fatty Acid Profiles along the Gutâ€Liverâ€Brain Axis of Mice Fed with High Fat Diet and Demonstrated Antioxidant and Antiâ€Inflammatory Potentials. Molecular Nutrition and Food Research, 2020, 64, e2000566.	3.3	25
50	Assessment of Isoprostanes in Human Plasma: Technical Considerations and the Use of Mass Spectrometry. Lipids, 2016, 51, 1217-1229.	1.7	23
51	Combination of Lutein and Zeaxanthin, and DHA Regulated Polyunsaturated Fatty Acid Oxidation in H2O2-Stressed Retinal Cells. Neurochemical Research, 2020, 45, 1007-1019.	3.3	23
52	Prenatal exposure to the contaminant perfluorooctane sulfonate elevates lipid peroxidation during mouse fetal development but not in the pregnant dam. Free Radical Research, 2015, 49, 1015-1025.	3.3	22
53	Nonenzymatic oxygenated metabolite of docosahexaenoic acid, 4(RS)â€4â€F_{4t}â€neuroprostane, acts as a bioactive lipid molecule in neuronal cells. FEBS Letters, 2020, 594, 1797-1808.	2.8	22
54	Extra Virgin Olive Oil Reduced Polyunsaturated Fatty Acid and Cholesterol Oxidation in Rodent Liver: Is This Accounted for Hydroxytyrosol-Fatty Acid Conjugation?. Chemical Research in Toxicology, 2016, 29, 1689-1698.	3.3	21

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55	Limited antioxidant effect after consumption of a single dose of tomato sauce by young males, despite a rise in plasma lycopene. Free Radical Research, 2009, 43, 622-628.	3.3	20
56	Cordyceps cicadae induces G2/M cell cycle arrest in MHCC97H human hepatocellular carcinoma cells: a proteomic study. Chinese Medicine, 2014, 9, 15.	4.0	20
57	Low dose of zearalenone elevated colon cancer cell growth through G protein-coupled estrogenic receptor. Scientific Reports, 2021, 11, 7403.	3.3	20
58	Immunoregulatory and Antioxidant Performance of Î±-Tocopherol and Selenium on Human Lymphocytes. Biological Trace Element Research, 2002, 86, 123-136.	3.5	19
59	Elevated F2-isoprostanes in thalassemic patients. Free Radical Biology and Medicine, 2007, 43, 1649-1655.	2.9	19
60	Impact on cerebral function in rainbow trout fed with plant based omega-3 long chain polyunsaturated fatty acids enriched with DHA and EPA. Fish and Shellfish Immunology, 2020, 103, 409-420.	3.6	19
61	Enrichment of alpha-linolenic acid in rodent diet reduced oxidative stress and inflammation during myocardial infarction. Free Radical Biology and Medicine, 2021, 162, 53-64.	2.9	19
62	Biological activities of non-enzymatic oxygenated metabolites of polyunsaturated fatty acids (NEO-PUFAs) derived from EPA and DHA: New anti-arrhythmic compounds?. Molecular Aspects of Medicine, 2018, 64, 161-168.	6.4	18
63	Total Synthesis and in Vivo Quantitation of Phytofurans Derived from Î±â€Linolenic Acid. European Journal of Organic Chemistry, 2017, 2017, 2486-2490.	2.4	17
64	LC-MS/MS Analysis of Lipid Oxidation Products in Blood and Tissue Samples. Methods in Molecular Biology, 2018, 1730, 83-92.	0.9	16
65	Insight into the contribution of isoprostanoids to the health effects of omega 3 PUFAs. Prostaglandins and Other Lipid Mediators, 2017, 133, 111-122.	1.9	15
66	Dietary Habits, Fatty Acids and Carotenoid Levels Are Associated with Neovascular Age-Related Macular Degeneration in Chinese. Nutrients, 2019, 11, 1720.	4.1	15
67	Increase in omega-6 and decrease in omega-3 polyunsaturated fatty acid oxidation elevates the risk of exudative AMD development in adults with Chinese diet. Free Radical Biology and Medicine, 2019, 145, 349-356.	2.9	15
68	Isoprostanoids in Clinical and Experimental Neurological Disease Models. Antioxidants, 2018, 7, 88.	5.1	14
69	Limited Antioxidant Effect of Rosemary in Lipid Oxidation of Pan-Fried Salmon. Biomolecules, 2019, 9, 313.	4.0	13
70	Does radiotherapy increase oxidative stress? A study with nasopharyngeal cancer patients revealing anomalies in isoprostanes measurements. Free Radical Research, 2010, 44, 1064-1071.	3.3	12
71	Cyclooxygenase-1 Mediated Platelet Reactivity in Young Male Smokers. Clinical and Applied Thrombosis/Hemostasis, 2014, 20, 371-377.	1.7	12
72	Short-time UVA exposure to human keratinocytes instigated polyunsaturated fatty acid without inducing lipid peroxidation. Free Radical Research, 2017, 51, 269-280.	3.3	12

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73	Increased isoprostanoid levels in brain from murine model of Krabbe disease â€“ Relevance of isoprostanes, dihomo-isoprostanes and neuroprostanes to disease severity. Free Radical Biology and Medicine, 2019, 139, 46-54.	2.9	12
74	Nanosized silver, but not titanium dioxide or zinc oxide, enhances oxidative stress and inflammatory response by inducing 5-HETE activation in THP-1 cells. Nanotoxicology, 2020, 14, 453-467.	3.0	11
75	Vitamin E: Where Are We Now in Vascular Diseases?. Life, 2022, 12, 310.	2.4	10
76	Augmentation of 5-lipoxygenase activity and expression during dengue serotype-2 infection. Virology Journal, 2013, 10, 322.	3.4	9
77	Walnut-Enriched Diet Elevated Î±-Linolenic Acid, Phytoprostanes, and Phytofurans in Rat Liver and Heart Tissues and Modulated Anti-inflammatory Lipid Mediators in the Liver. Journal of Agricultural and Food Chemistry, 2021, 69, 9094-9101.	5.2	9
78	Lipid Peroxidation: Analysis and Applications in Biological Systems. Antioxidants, 2019, 8, 40.	5.1	8
79	F4-Neuroprostanes: A Role in Sperm Capacitation. Life, 2021, 11, 655.	2.4	8
80	Camelina sativaOil, Fatty Fish, and Lean Fish Do Not Markedly Affect Urinary Prostanoids in Subjects with Impaired Glucose Metabolism. Lipids, 2019, 54, 453-464.	1.7	7
81	Modification of fatty acid profile and biosynthetic pathway in symbiotic corals under eutrophication. Science of the Total Environment, 2021, 771, 145336.	8.0	7
82	Alpha-linolenic acid, phytoprostanes and phytofurans in plant, algae and food. Advances in Botanical Research, 2022, 101, 437-468.	1.1	7
83	Dietary Oat Bran Increases Some Proinflammatory Polyunsaturated Fattyâ€Acid Oxidation Products and Reduces Antiâ€Inflammatory Products in Apolipoprotein E^{â^'/â^'} Mice. Lipids, 2018, 53, 785-796.	1.7	6
84	Garlic Supplementation Modified Enzymatic Omegaâ€6 Polyunsaturated Fatty Acid Oxidation in Mild Hypercholesterolemia. European Journal of Lipid Science and Technology, 2019, 121, 1900069.	1.5	6
85	Postprandial changes in cardiometabolic disease risk in young Chinese men following isocaloric high or low protein diets, stratified by either high or low meal frequency - a randomized controlled crossover trial. Nutrition Journal, 2015, 15, 27.	3.4	5
86	Measurement of Enzymatic and Nonenzymatic Polyunsaturated Fatty Acid Oxidation Products in Plasma and Urine of Macular Degeneration Using <scp>LCâ€QTOFâ€MS</scp>/<scp>MS</scp>. Lipids, 2020, 55, 693-706.	1.7	5
87	Hyperoxia Elevates Adrenic Acid Peroxidation in Marine Fish and Is Associated with Reproductive Pheromone Mediators. Marine Drugs, 2015, 13, 2215-2232.	4.6	4
88	Two sides of the same coin: NEOâ€PUFAs in Rett syndrome and postâ€infarction cardiac arrhythmias. European Journal of Lipid Science and Technology, 2017, 119, 1600320.	1.5	2
89	Isoprostanoid Plasma Levels Are Relevant to Cerebral Adrenoleukodystrophy Disease. Life, 2022, 12, 146.	2.4	2
90	Circulating 4-F4t-Neuroprostane and 10-F4t-Neuroprostane Are Related to MECP2 Gene Mutation and Natural History in Rett Syndrome. International Journal of Molecular Sciences, 2021, 22, 4240.	4.1	1

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91	Fatty acid profiles of separated hostâ€“symbiont fractions from five symbiotic corals: applications of chemotaxonomic and trophic biomarkers. Marine Biology, 2021, 168, 1.	1.5	0