

# Jetty Chung-Yung Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Alpha-linolenic acid, phytoprostanes and phytofurans in plant, algae and food. <i>Advances in Botanical Research</i> , 2022, 101, 437-468.	1.1	7
2	Isoprostanoid Plasma Levels Are Relevant to Cerebral Adrenoleukodystrophy Disease. <i>Life</i> , 2022, 12, 146.	2.4	2
3	Vitamin E: Where Are We Now in Vascular Diseases?. <i>Life</i> , 2022, 12, 310.	2.4	10
4	Dietary Fiber from Oat and Rye Brans Ameliorate Western Diet-Induced Body Weight Gain and Hepatic Inflammation by the Modulation of Short-Chain Fatty Acids, Bile Acids, and Tryptophan Metabolism. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e1900580.	3.3	39
5	Enrichment of alpha-linolenic acid in rodent diet reduced oxidative stress and inflammation during myocardial infarction. <i>Free Radical Biology and Medicine</i> , 2021, 162, 53-64.	2.9	19
6	Circulating 4-F4t-Neuroprostane and 10-F4t-Neuroprostane Are Related to MECP2 Gene Mutation and Natural History in Rett Syndrome. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4240.	4.1	1
7	Low dose of zearalenone elevated colon cancer cell growth through G protein-coupled estrogenic receptor. <i>Scientific Reports</i> , 2021, 11, 7403.	3.3	20
8	Modification of fatty acid profile and biosynthetic pathway in symbiotic corals under eutrophication. <i>Science of the Total Environment</i> , 2021, 771, 145336.	8.0	7
9	F4-Neuroprostanes: A Role in Sperm Capacitation. <i>Life</i> , 2021, 11, 655.	2.4	8
10	Walnut-Enriched Diet Elevated $\pm$ -Linolenic Acid, Phytoprostanes, and Phytofurans in Rat Liver and Heart Tissues and Modulated Anti-inflammatory Lipid Mediators in the Liver. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 9094-9101.	5.2	9
11	Fatty acid profiles of separated host-symbiont fractions from five symbiotic corals: applications of chemotaxonomic and trophic biomarkers. <i>Marine Biology</i> , 2021, 168, 1.	1.5	0
12	Developments in understanding and applying prebiotics in research and practice-an ISAPP conference paper. <i>Journal of Applied Microbiology</i> , 2020, 128, 934-949.	3.1	85
13	Nanosized silver, but not titanium dioxide or zinc oxide, enhances oxidative stress and inflammatory response by inducing 5-HETE activation in THP-1 cells. <i>Nanotoxicology</i> , 2020, 14, 453-467.	3.0	11
14	<i>Lactobacillus rhamnosus</i> GG and Oat Beta-Glucan Regulated Fatty Acid Profiles along the Gut-Liver-Brain Axis of Mice Fed with High Fat Diet and Demonstrated Antioxidant and Anti-Inflammatory Potentials. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e2000566.	3.3	25
15	Interaction of Polyphenols as Antioxidant and Anti-Inflammatory Compounds in Liver-Gut Axis. <i>Antioxidants</i> , 2020, 9, 669.	5.1	34
16	Impact on cerebral function in rainbow trout fed with plant based omega-3 long chain polyunsaturated fatty acids enriched with DHA and EPA. <i>Fish and Shellfish Immunology</i> , 2020, 103, 409-420.	3.6	19
17	Lutein Supplementation for Eye Diseases. <i>Nutrients</i> , 2020, 12, 1721.	4.1	64
18	Measurement of Enzymatic and Nonenzymatic Polyunsaturated Fatty Acid Oxidation Products in Plasma and Urine of Macular Degeneration Using LC-QTOF-MS. <i>Lipids</i> , 2020, 55, 693-706.	1.7	5

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19	Relevance of Fatty Acids to Sperm Maturation and Quality. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	4.0	53
20	Combination of Lutein and Zeaxanthin, and DHA Regulated Polyunsaturated Fatty Acid Oxidation in H2O2-Stressed Retinal Cells. <i>Neurochemical Research</i> , 2020, 45, 1007-1019.	3.3	23
21	Nonenzymatic oxygenated metabolite of docosahexaenoic acid, 4 <i>F</i> -neuroprostane, acts as a bioactive lipid molecule in neuronal cells. <i>FEBS Letters</i> , 2020, 594, 1797-1808.	2.8	22
22	Moving forward with isoprostanes, neuroprostanes and phytoprostanes: where are we now?. <i>Essays in Biochemistry</i> , 2020, 64, 463-484.	4.7	35
23	Dietary Habits, Fatty Acids and Carotenoid Levels Are Associated with Neovascular Age-Related Macular Degeneration in Chinese. <i>Nutrients</i> , 2019, 11, 1720.	4.1	15
24	Limited Antioxidant Effect of Rosemary in Lipid Oxidation of Pan-Fried Salmon. <i>Biomolecules</i> , 2019, 9, 313.	4.0	13
25	Camelina sativa Oil, Fatty Fish, and Lean Fish Do Not Markedly Affect Urinary Prostanoids in Subjects with Impaired Glucose Metabolism. <i>Lipids</i> , 2019, 54, 453-464.	1.7	7
26	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. <i>Free Radical Biology and Medicine</i> , 2019, 145, 349-356.	2.9	15
27	Effects of Lactic Acid Bacteria-Fermented Soymilk on Isoflavone Metabolites and Short-Chain Fatty Acids Excretion and Their Modulating Effects on Gut Microbiota. <i>Journal of Food Science</i> , 2019, 84, 1854-1863.	3.1	39
28	Garlic Supplementation Modified Enzymatic Omega-6 Polyunsaturated Fatty Acid Oxidation in Mild Hypercholesterolemia. <i>European Journal of Lipid Science and Technology</i> , 2019, 121, 1900069.	1.5	6
29	Increased isoprostanoid levels in brain from murine model of Krabbe disease – Relevance of isoprostanes, dihomio-isoprostanes and neuroprostanes to disease severity. <i>Free Radical Biology and Medicine</i> , 2019, 139, 46-54.	2.9	12
30	Lipid Peroxidation: Analysis and Applications in Biological Systems. <i>Antioxidants</i> , 2019, 8, 40.	5.1	8
31	Relevance of 4 <i>F</i> -neuroprostane and 10 <i>F</i> -neuroprostane to neurological diseases. <i>Free Radical Biology and Medicine</i> , 2018, 115, 278-287.	2.9	30
32	Dietary Oat Bran Increases Some Proinflammatory Polyunsaturated Fatty Acid Oxidation Products and Reduces Anti-inflammatory Products in Apolipoprotein E <sup>-/-</sup> Mice. <i>Lipids</i> , 2018, 53, 785-796.	1.7	6
33	Biological activities of non-enzymatic oxygenated metabolites of polyunsaturated fatty acids (NEO-PUFAs) derived from EPA and DHA: New anti-arrhythmic compounds?. <i>Molecular Aspects of Medicine</i> , 2018, 64, 161-168.	6.4	18
34	Profiling of Omega-Polyunsaturated Fatty Acids and Their Oxidized Products in Salmon after Different Cooking Methods. <i>Antioxidants</i> , 2018, 7, 96.	5.1	41
35	Isoprostanooids in Clinical and Experimental Neurological Disease Models. <i>Antioxidants</i> , 2018, 7, 88.	5.1	14
36	LC-MS/MS Analysis of Lipid Oxidation Products in Blood and Tissue Samples. <i>Methods in Molecular Biology</i> , 2018, 1730, 83-92.	0.9	16

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37	Total Synthesis and in Vivo Quantitation of Phytofurans Derived from $\hat{\pm}$ Linolenic Acid. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2486-2490.	2.4	17
38	Two sides of the same coin: NEO $\hat{\pm}$ PUFAs in Rett syndrome and post $\hat{\pm}$ infarction cardiac arrhythmias. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1600320.	1.5	2
39	Insight into the contribution of isoprostanoids to the health effects of omega 3 PUFAs. <i>Prostaglandins and Other Lipid Mediators</i> , 2017, 133, 111-122.	1.9	15
40	Physiological role of reactive oxygen species as promoters of natural defenses. <i>FASEB Journal</i> , 2017, 31, 3729-3745.	0.5	175
41	Short-time UVA exposure to human keratinocytes instigated polyunsaturated fatty acid without inducing lipid peroxidation. <i>Free Radical Research</i> , 2017, 51, 269-280.	3.3	12
42	Non-enzymatic oxidized metabolite of DHA, 4(RS)-4-F4t-neuroprostane protects the heart against reperfusion injury. <i>Free Radical Biology and Medicine</i> , 2017, 102, 229-239.	2.9	38
43	Nano-sized zinc oxide and silver, but not titanium dioxide, induce innate and adaptive immunity and antiviral response in differentiated THP-1 cells. <i>Nanotoxicology</i> , 2017, 11, 936-951.	3.0	47
44	Isoprostanes, neuroprostanes and phytoprostanes: An overview of 25 years of research in chemistry and biology. <i>Progress in Lipid Research</i> , 2017, 68, 83-108.	11.6	130
45	Effects of in Utero PFOS Exposure on Transcriptome, Lipidome, and Function of Mouse Testis. <i>Environmental Science &amp; Technology</i> , 2017, 51, 8782-8794.	10.0	51
46	Extra Virgin Olive Oil Reduced Polyunsaturated Fatty Acid and Cholesterol Oxidation in Rodent Liver: Is This Accounted for Hydroxytyrosol-Fatty Acid Conjugation?. <i>Chemical Research in Toxicology</i> , 2016, 29, 1689-1698.	3.3	21
47	Assessment of Isoprostanes in Human Plasma: Technical Considerations and the Use of Mass Spectrometry. <i>Lipids</i> , 2016, 51, 1217-1229.	1.7	23
48	The novelty of phytofurans, isofurans, dihomom-isofurans and neurofurans: Discovery, synthesis and potential application. <i>Biochimie</i> , 2016, 130, 49-62.	2.6	33
49	Simultaneous quantitative profiling of 20 isoprostanooids from omega-3 and omega-6 polyunsaturated fatty acids by LC $\hat{\pm}$ MS/MS in various biological samples. <i>Analytica Chimica Acta</i> , 2016, 921, 46-58.	5.4	66
50	Non-enzymatic cyclic oxygenated metabolites of omega-3 polyunsaturated fatty acid: Bioactive drugs?. <i>Biochimie</i> , 2016, 120, 56-61.	2.6	29
51	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. <i>Nutrition Journal</i> , 2015, 15, 27.	3.4	5
52	Hyperoxia Elevates Adrenic Acid Peroxidation in Marine Fish and Is Associated with Reproductive Pheromone Mediators. <i>Marine Drugs</i> , 2015, 13, 2215-2232.	4.6	4
53	Nonenzymatic lipid mediators, neuroprostanes, exert the antiarrhythmic properties of docosahexaenoic acid. <i>Free Radical Biology and Medicine</i> , 2015, 86, 269-278.	2.9	59
54	Non-enzymatic cyclic oxygenated metabolites of adrenic, docosahexaenoic, eicosapentaenoic and $\hat{\pm}$ linolenic acids; bioactivities and potential use as biomarkers. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 446-455.	2.4	51

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55	Special Issue on "Analytical Methods for Oxidized Biomolecules and Antioxidants" - The use of isoprostanooids as biomarkers of oxidative damage, and their role in human dietary intervention studies. <i>Free Radical Research</i> , 2015, 49, 583-598.	3.3	25
56	Prenatal exposure to the contaminant perfluorooctane sulfonate elevates lipid peroxidation during mouse fetal development but not in the pregnant dam. <i>Free Radical Research</i> , 2015, 49, 1015-1025.	3.3	22
57	An open-label trial in Friedreich ataxia suggests clinical benefit with high-dose resveratrol, without effect on frataxin levels. <i>Journal of Neurology</i> , 2015, 262, 1344-1353.	3.6	89
58	Synthesis and discovery of phytofurans: metabolites of $\omega$ -linolenic acid peroxidation. <i>Chemical Communications</i> , 2015, 51, 15696-15699.	4.1	47
59	Total Syntheses and In Vivo Quantitation of Novel Neurofuran and Dihomoisofuran Derived from Docosahexaenoic Acid and Adrenic Acid. <i>Chemistry - A European Journal</i> , 2015, 21, 2442-2446.	3.3	39
60	Current development in non-enzymatic lipid peroxidation products, isoprostanooids and isofuranooids, in novel biological samples. <i>Free Radical Research</i> , 2015, 49, 816-826.	3.3	28
61	Does Influenza A Infection Increase Oxidative Damage?. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1025-1031.	5.4	38
62	Cyclooxygenase-1 Mediated Platelet Reactivity in Young Male Smokers. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2014, 20, 371-377.	1.7	12
63	Microbubble-mediated sonoporation amplified lipid peroxidation of Jurkat cells. <i>Chemistry and Physics of Lipids</i> , 2014, 180, 53-60.	3.2	29
64	Synthesis, Discovery, and Quantitation of Dihomoisofurans: Biomarkers for In Vivo Adrenic Acid Peroxidation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6249-6252.	13.8	44
65	<i>Cordyceps cicadae</i> induces G2/M cell cycle arrest in MHCC97H human hepatocellular carcinoma cells: a proteomic study. <i>Chinese Medicine</i> , 2014, 9, 15.	4.0	20
66	Non-enzymatic lipid oxidation products in biological systems: Assessment of the metabolites from polyunsaturated fatty acids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 964, 65-78.	2.3	65
67	Augmentation of 5-lipoxygenase activity and expression during dengue serotype-2 infection. <i>Virology Journal</i> , 2013, 10, 322.	3.4	9
68	Profiling of oxidized lipid products of marine fish under acute oxidative stress. <i>Food and Chemical Toxicology</i> , 2013, 53, 205-213.	3.6	30
69	Oral zinc supplementation does not improve oxidative stress or vascular function in patients with type 2 diabetes with normal zinc levels. <i>Atherosclerosis</i> , 2011, 219, 231-239.	0.8	73
70	Biomarkers of oxidative damage in cigarette smokers: Which biomarkers might reflect acute versus chronic oxidative stress?. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1787-1793.	2.9	135
71	Oxidative Damage in Ischemic Stroke Revealed Using Multiple Biomarkers. <i>Stroke</i> , 2011, 42, 2326-2329.	2.0	68
72	Oxidative damage in Parkinson disease: Measurement using accurate biomarkers. <i>Free Radical Biology and Medicine</i> , 2010, 48, 560-566.	2.9	226

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73	Markers of Oxidative Damage Are Not Elevated in Otherwise Healthy Individuals With the Metabolic Syndrome. <i>Diabetes Care</i> , 2010, 33, 1140-1142.	8.6	31
74	Does radiotherapy increase oxidative stress? A study with nasopharyngeal cancer patients revealing anomalies in isoprostanes measurements. <i>Free Radical Research</i> , 2010, 44, 1064-1071.	3.3	12
75	Using Isoprostanes as Biomarkers of Oxidative Stress: Some Rarely Considered Issues. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 145-156.	5.4	168
76	Allantoin in Human Plasma, Serum, and Nasal-Lining Fluids as a Biomarker of Oxidative Stress: Avoiding Artifacts and Establishing Real<i>in vivo</i> Concentrations. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 1767-1776.	5.4	54
77	Oxidative damage in dengue fever. <i>Free Radical Biology and Medicine</i> , 2009, 47, 375-380.	2.9	60
78	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. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 407-420.	5.4	88
79	Limited antioxidant effect after consumption of a single dose of tomato sauce by young males, despite a rise in plasma lycopene. <i>Free Radical Research</i> , 2009, 43, 622-628.	3.3	20
80	Measurement of F2-isoprostanes, hydroxyeicosatetraenoic products, and oxysterols from a single plasma sample. <i>Free Radical Biology and Medicine</i> , 2008, 44, 1314-1322.	2.9	83
81	Lack of effect of acute oral ingestion of vitamin C on oxidative stress, arterial stiffness or blood pressure in healthy subjects. <i>Free Radical Research</i> , 2008, 42, 514-522.	3.3	38
82	The identification of antioxidants in dark soy sauce. <i>Free Radical Research</i> , 2007, 41, 479-488.	3.3	60
83	Elevated F2-isoprostanes in thalassemic patients. <i>Free Radical Biology and Medicine</i> , 2007, 43, 1649-1655.	2.9	19
84	Cautions in the use of biomarkers of oxidative damage; the vascular and antioxidant effects of dark soy sauce in humans. <i>Biochemical and Biophysical Research Communications</i> , 2006, 344, 906-911.	2.1	50
85	Rapid preparation of human urine and plasma samples for analysis of F2-isoprostanes by gas chromatography-mass spectrometry. <i>Biochemical and Biophysical Research Communications</i> , 2004, 320, 696-702.	2.1	67
86	Rheological properties of erythrocytes from male hypercholesterolemia. <i>Microvascular Research</i> , 2004, 67, 133-138.	2.5	30
87	Water self-diffusion in <i>Chlorella</i> sp. studied by pulse field gradient NMR. <i>Magnetic Resonance Imaging</i> , 2003, 21, 1009-1017.	1.8	49
88	Water self-diffusion behavior in yeast cells studied by pulsed field gradient NMR. <i>Biophysical Chemistry</i> , 2003, 104, 121-130.	2.8	46
89	Short-term control of capsaicin on blood and oxidative stress of rats <i>in vivo</i> . <i>Phytotherapy Research</i> , 2003, 17, 454-458.	5.8	57
90	Immunoregulatory and Antioxidant Performance of $\alpha$ -Tocopherol and Selenium on Human Lymphocytes. <i>Biological Trace Element Research</i> , 2002, 86, 123-136.	3.5	19

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91	Vitamin E Supplementation Improves Cell-Mediated Immunity and Oxidative Stress of Asian Men and Women. <i>Journal of Nutrition</i> , 2000, 130, 2932-2937.	2.9	100