Thierry Durand

List of Publications by Year
in descending order

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150	5,059	87843	133188
papers	citations	38 h-index	59 g-index

152	152	152	4692
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Update on LIPID MAPS classification, nomenclature, and shorthand notation for MS-derived lipid structures. Journal of Lipid Research, 2020, 61, 1539-1555.	2.0	372
2	Beyond Prostaglandinsâ€"Chemistry and Biology of Cyclic Oxygenated Metabolites Formed by Freeâ€Radical Pathways from Polyunsaturated Fatty Acids. Angewandte Chemie - International Edition, 2008, 47, 5894-5955.	7.2	176
3	Polyunsaturated fatty acids and fatty acid-derived lipid mediators: Recent advances in the understanding of their biosynthesis, structures, and functions. Progress in Lipid Research, 2022, 86, 101165.	5.3	164
4	Oxidized LDL triggers changes in oxidative stress and inflammatory biomarkers in human macrophages. Redox Biology, 2018, 15, 1-11.	3.9	134
5	Isoprostanes, neuroprostanes and phytoprostanes: An overview of 25 years of research in chemistry and biology. Progress in Lipid Research, 2017, 68, 83-108.	5.3	130
6	B1-Phytoprostanes Trigger Plant Defense and Detoxification Responses. Plant Physiology, 2005, 137, 328-340.	2.3	122
7	F2-dihomo-isoprostanes as potential early biomarkers of lipid oxidative damage in Rett syndrome. Journal of Lipid Research, 2011, 52, 2287-2297.	2.0	93
8	Identification and Measurement of Endogenous Î²-Oxidation Metabolites of 8-epi-Prostaglandin F2Î±. Journal of Biological Chemistry, 1999, 274, 1313-1319.	1.6	88
9	Identification of an analgesic lipopeptide produced by the probiotic Escherichia coli strain Nissle 1917. Nature Communications, 2017, 8, 1314.	5.8	86
10	Stereocontrolled Access to Isoprostanes via a Bicyclo[3.3.0]octene Framework. Organic Letters, 2008, 10, 5087-5090.	2.4	81
11	Partial rescue of Rett syndrome by Ï‰-3 polyunsaturated fatty acids (PUFAs) oil. Genes and Nutrition, 2012, 7, 447-458.	1.2	76
12	Total Synthesis of the Eight Diastereomers of the Syn-Anti-Syn Phytoprostanes F1 Types I and II. Journal of Organic Chemistry, 2004, 69, 2498-2503.	1.7	71
13	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.	2.6	66
14	Development of an LC-ESI(-)-MS/MS method for the simultaneous quantification of 35 isoprostanes and isofurans derived from the major n3- and n6-PUFAs. Analytica Chimica Acta, 2018, 1037, 63-74.	2.6	65
15	Oxidative stress in Rett syndrome: Natural history, genotype, and variants. Redox Report, 2011, 16, 145-153.	1.4	64
16	Nonenzymatic oxygenated metabolites of Î±-linolenic acid B1- and L1-phytoprostanes protect immature neurons from oxidant injury and promote differentiation of oligodendrocyte progenitors through PPAR-Î³ activation. Free Radical Biology and Medicine, 2014, 73, 41-50.	1.3	64
17	Understanding FAHFAs: From structure to metabolic regulation. Progress in Lipid Research, 2020, 79, 101053.	5.3	64
18	Quantification of phytoprostanes â€“ bioactive oxylipins â€“ and phenolic compounds of Passiflora edulis Sims shell using UHPLC-QqQ-MS/MS and LC-IT-DAD-MS/MS. Food Chemistry, 2017, 229, 1-8.	4.2	63

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19	Oxygenated Metabolites of nâ€3 Polyunsaturated Fatty Acids as Potential Oxidative Stress Biomarkers: Total Synthesis of 8â€F_{3t}â€IsoP, 10â€F_{4t}â€NeuroP and [D₄]â€10â€F_{4t}â€NeuroP. Chemistry - A European Journal, 2014, 20, 6374-6380.	1.7	61
20	Nonenzymatic lipid mediators, neuroprostanes, exert the antiarrhythmic properties of docosahexaenoic acid. Free Radical Biology and Medicine, 2015, 86, 269-278.	1.3	59
21	A Flexible Synthesis of the Phytoprostanes B1Type I and II. Journal of Organic Chemistry, 2005, 70, 989-997.	1.7	55
22	Inhibition of Î±-glucosidase and Î±-amylase by Spanish extra virgin olive oils: The involvement of bioactive compounds other than oleuropein and hydroxytyrosol. Food Chemistry, 2017, 235, 298-307.	4.2	54
23	Levels of palmitic acid ester of hydroxystearic acid (PAHSA) are reduced in the breast milk of obese mothers. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 126-131.	1.2	53
24	Nrf2-Mediated Antioxidant Defense and Peroxiredoxin 6 Are Linked to Biosynthesis of Palmitic Acid Ester of 9-Hydroxystearic Acid. Diabetes, 2018, 67, 1190-1199.	0.3	52
25	Total Synthesis of the Four Enantiomerically Pure Diasteroisomers of the Phytoprostanes E₁Type II and of the 15-E_{2t}-Isoprostanes. Journal of Organic Chemistry, 2008, 73, 3063-3069.	1.7	51
26	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.	1.2	51
27	New UHPLCâ€“QqQ-MS/MS method for quantitative and qualitative determination of free phytoprostanes in foodstuffs of commercial olive and sunflower oils. Food Chemistry, 2015, 178, 212-220.	4.2	51
28	Effects of in Utero PFOS Exposure on Transcriptome, Lipidome, and Function of Mouse Testis. Environmental Science & Technology, 2017, 51, 8782-8794.	4.6	51
29	Plasma lipid peroxidation biomarkers for early and non-invasive Alzheimer Disease detection. Free Radical Biology and Medicine, 2018, 124, 388-394.	1.3	51
30	Thermal Stress in Melon Plants: Phytoprostanes and Phytofurans as Oxidative Stress Biomarkers and the Effect of Antioxidant Supplementation. Journal of Agricultural and Food Chemistry, 2016, 64, 8296-8304.	2.4	47
31	Obesogenic diet in aging mice disrupts gut microbe composition and alters neutrophil:lymphocyte ratio, leading to inflamed milieu in acute heart failure. FASEB Journal, 2019, 33, 6456-6469.	0.2	47
32	Omega-3 polyunsaturated lipophenols, how and why?. Biochimie, 2016, 120, 62-74.	1.3	46
33	Synthesis, Discovery, and Quantitation of Dihomoâ€IsoFurans: Biomarkers for In Vivo Adrenic Acid Peroxidation. Angewandte Chemie - International Edition, 2014, 53, 6249-6252.	7.2	44
34	Reliable determination of new lipid peroxidation compounds as potential early Alzheimer Disease biomarkers. Talanta, 2018, 184, 193-201.	2.9	44
35	Lipokine 5-PAHSA Is Regulated by Adipose Triglyceride Lipase and Primes Adipocytes for De Novo Lipogenesis in Mice. Diabetes, 2020, 69, 300-312.	0.3	43
36	A free radical route to syn lactones and other prostanoid intermediates in isoprostaglandin synthesis.. Tetrahedron Letters, 1993, 34, 8245-8248.	0.7	42

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37	Regiocontrolled syntheses of FAHFAs and LC-MS/MS differentiation of regioisomers. Organic and Biomolecular Chemistry, 2016, 14, 9012-9020.	1.5	42
38	DHA-derived oxylipins, neuroprostanes and protectins, differentially and dose-dependently modulate the inflammatory response in human macrophages: Putative mechanisms through PPAR activation. Free Radical Biology and Medicine, 2017, 103, 146-154.	1.3	42
39	Profiling of Omega-Polyunsaturated Fatty Acids and Their Oxidized Products in Salmon after Different Cooking Methods. Antioxidants, 2018, 7, 96.	2.2	41
40	Nonenzymatic Î±-Linolenic Acid Derivatives from the Sea: Macroalgae as Novel Sources of Phytoprostanes. Journal of Agricultural and Food Chemistry, 2015, 63, 6466-6474.	2.4	40
41	Dihydroxylated E,E,Z-docosatrienes. An overview of their synthesis and biological significance. Progress in Lipid Research, 2016, 61, 1-18.	5.3	40
42	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.	1.7	39
43	Distinct roles of adipose triglyceride lipase and hormone-sensitive lipase in the catabolism of triacylglycerol estolides. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	39
44	Are Isofurans and Neuroprostanes Increased After Subarachnoid Hemorrhage and Traumatic Brain Injury?. Antioxidants and Redox Signaling, 2011, 15, 2663-2667.	2.5	38
45	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.	1.3	38
46	Total Synthesis of (15R)- and (15S)-F2t-Isoprostanes by a Biomimetic Process Using the Cyclization of Acyclic Dihydroxylated Octa-5,7-dienyl Radicals. Journal of Organic Chemistry, 2002, 67, 3615-3624.	1.7	37
47	Moving forward with isoprostanes, neuroprostanes and phytoprostanes: where are we now?. Essays in Biochemistry, 2020, 64, 463-484.	2.1	35
48	The phytoprostane content in green table olives is influenced by Spanish-style processing and regulated deficit irrigation. LWT - Food Science and Technology, 2015, 64, 997-1003.	2.5	34
49	Non-Enzymatic Synthesis of Bioactive Isoprostanoids in the Diatom Phaeodactylum following Oxidative Stress. Plant Physiology, 2018, 178, 1344-1357.	2.3	34
50	Effect of Dietary<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mi>n</mml:mi><mml:mo>â€</mml:mo><mml:mn>3</mml:mn></mml:math>Source on Rabbit Male Reproduction. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-13.	1.9	34
51	Potential of <scp>Physalis peruviana</scp> calyces as a lowâ€cost valuable resource of phytoprostanes and phenolic compounds. Journal of the Science of Food and Agriculture, 2019, 99, 2194-2204.	1.7	34
52	Lipase-Catalyzed Regioselective Monoacetylation of Unsymmetrical 1,5-Primary Diols. Journal of Organic Chemistry, 2010, 75, 1892-1897.	1.7	33
53	Dihomo-isoprostanesâ€”nonenzymatic metabolites of AdAâ€”are higher in epileptic patients compared to healthy individuals by a new ultrahigh pressure liquid chromatographyâ€“triple quadrupoleâ€“tandem mass spectrometry method. Free Radical Biology and Medicine, 2015, 79, 154-163.	1.3	33
54	The novelty of phytofurans, isofurans, dihomo-isofurans and neurofurans: Discovery, synthesis and potential application. Biochimie, 2016, 130, 49-62.	1.3	33

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55	Aroniaâ€“citrusjuice (polyphenol-rich juice) intake and elite triathlon training: a lipidomic approach using representative oxylipins in urine. Food and Function, 2018, 9, 463-475.	2.1	33
56	Phenolic, oxylipin and fatty acid profiles of the Chilean hazelnut (Gevuina avellana): Antioxidant activity and inhibition of pro-inflammatory and metabolic syndrome-associated enzymes. Food Chemistry, 2019, 298, 125026.	4.2	33
57	A cautionary note on the correct structure assignment of phytoprostanes and the emergence of a new prostane ring system. Prostaglandins Leukotrienes and Essential Fatty Acids, 2010, 82, 83-86.	1.0	32
58	Long-term high intake of 9-PAHPA or 9-OAHPA increases basal metabolism and insulin sensitivity but disrupts liver homeostasis in healthy mice. Journal of Nutritional Biochemistry, 2020, 79, 108361.	1.9	31
59	Polymeric nanocapsules prevent oxidation of core-loaded molecules: evidence based on the effects of docosahexaenoic acid and neuroprostane on breast cancer cells proliferation. Journal of Experimental and Clinical Cancer Research, 2015, 34, 155.	3.5	30
60	Novel free-radical mediated lipid peroxidation biomarkers in newborn plasma. Analytica Chimica Acta, 2017, 996, 88-97.	2.6	30
61	Relevance of 4-F4t-neuroprostane and 10-F4t-neuroprostane to neurological diseases. Free Radical Biology and Medicine, 2018, 115, 278-287.	1.3	30
62	Phytoprostanes. Lipid Technology, 2015, 27, 127-130.	0.3	29
63	Non-enzymatic cyclic oxygenated metabolites of omega-3 polyunsaturated fatty acid: Bioactive drugs?. Biochimie, 2016, 120, 56-61.	1.3	29
64	New Lipophenol Antioxidants Reduce Oxidative Damage in Retina Pigment Epithelial Cells. Antioxidants, 2018, 7, 197.	2.2	29
65	Sorting out the phytoprostane and phytofuran profile in vegetable oils. Food Research International, 2018, 107, 619-628.	2.9	28
66	Total syntheses of iso-, neuro- and phytoprostanes: new insight in lipid chemistry. Chemistry and Physics of Lipids, 2004, 128, 15-33.	1.5	27
67	Is There a Role for Isofurans and Neuroprostanes in Pre-Eclampsia and Normal Pregnancy?. Antioxidants and Redox Signaling, 2012, 16, 165-169.	2.5	27
68	Total Synthesis of Isoprostanes Derived from Adrenic Acid and EPA. European Journal of Organic Chemistry, 2012, 2012, 2621-2634.	1.2	27
69	Synthesis and Evaluation of Polyunsaturated Fatty Acidâ€“Phenol Conjugates as Antiâ€Carbonylâ€Stress Lipophenols. European Journal of Organic Chemistry, 2014, 2014, 4548-4561.	1.2	27
70	Dependency of Phytoprostane Fingerprints of Must and Wine on Viticulture and Enological Processes. Journal of Agricultural and Food Chemistry, 2015, 63, 9022-9028.	2.4	26
71	Structural/Functional Matches and Divergences of Phytoprostanes and Phytofurans with Bioactive Human Oxylipins. Antioxidants, 2018, 7, 165.	2.2	26
72	Resveratrol formulated with a natural deep eutectic solvent inhibits active matrix metalloproteaseâ€9 in hormetic conditions. European Journal of Lipid Science and Technology, 2017, 119, 1700171.	1.0	25

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73	New screening approach for Alzheimerâ€™s disease risk assessment from urine lipid peroxidation compounds. Scientific Reports, 2019, 9, 14244.	1.6	25
74	Lipid Mediators From Timothy Grass Pollen Contribute to the Effector Phase of Allergy and Prime Dendritic Cells for Glycolipid Presentation. Frontiers in Immunology, 2019, 10, 974.	2.2	25
75	The 5-series F2 -isoprostanes possess no vasomotor effects in the rat thoracic aorta, the human internal mammary artery and the human saphenous vein. British Journal of Pharmacology, 2002, 135, 1276-1280.	2.7	24
76	Impact of processing conditions on the phytoprostanes profile of three types of nut kernels. Free Radical Research, 2017, 51, 141-147.	1.5	24
77	Assessment of Isoprostanes in Human Plasma: Technical Considerations and the Use of Mass Spectrometry. Lipids, 2016, 51, 1217-1229.	0.7	23
78	Combination of Lutein and Zeaxanthin, and DHA Regulated Polyunsaturated Fatty Acid Oxidation in H2O2-Stressed Retinal Cells. Neurochemical Research, 2020, 45, 1007-1019.	1.6	23
79	Development of the First Potential Covalent Inhibitors of Anandamide Cellular Uptake. Journal of Medicinal Chemistry, 2006, 49, 2320-2332.	2.9	22
80	Isoprostanoids quantitative profiling of marine red and brown macroalgae. Food Chemistry, 2018, 268, 452-462.	4.2	22
81	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.	1.3	22
82	Total synthesis of 15(RS)-5,6-dehydro-8-epi-PGF2Î± methyl ester by a biomimetic process. Tetrahedron Letters, 1997, 38, 1543-1546.	0.7	21
83	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.	1.7	21
84	Validated analytical method to determine new salivary lipid peroxidation compounds as potential neurodegenerative biomarkers. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 742-749.	1.4	21
85	Total Synthesis of 15-D2t- and 15-epi-15-E2t-Isoprostanes. Journal of Organic Chemistry, 2010, 75, 2411-2414.	1.7	20
86	Comparative study of different cocoa (Theobroma cacao L.) clones in terms of their phytoprostanes and phytofurans contents. Food Chemistry, 2019, 280, 231-239.	4.2	20
87	Phytoprostanes and Phytofuransâ€"Oxidative Stress and Bioactive Compoundsâ€"in Almonds are Affected by Deficit Irrigation in Almond Trees. Journal of Agricultural and Food Chemistry, 2020, 68, 7214-7225.	2.4	20
88	Long-term intake of 9-PAHPA or 9-OAHPA modulates favorably the basal metabolism and exerts an insulin sensitizing effect in obesogenic diet-fed mice. European Journal of Nutrition, 2021, 60, 2013-2027.	1.8	20
89	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.	2.7	18
90	Dietary omega-3 PUFA improved tubular function after ischemia induced acute kidney injury in mice but did not attenuate impairment of renal function. Prostaglandins and Other Lipid Mediators, 2020, 146, 106386.	1.0	18

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91	Isoprostanoid Profiling of Marine Microalgae. Biomolecules, 2020, 10, 1073.	1.8	18
92	Total Synthesis and in Vivo Quantitation of Phytofurans Derived from Î±â€Linolenic Acid. European Journal of Organic Chemistry, 2017, 2017, 2486-2490.	1.2	17
93	The Value of Legume Foods as a Dietary Source of Phytoprostanes and Phytofurans Is Dependent on Species, Variety, and Growing Conditions. European Journal of Lipid Science and Technology, 2019, 121, 1800484.	1.0	17
94	Role of the Non-enzymatic Metabolite of Eicosapentaenoic Acid, 5-epi-5-F3t-Isoprostane in the Regulation of [3H]d-Aspartate Release in Isolated Bovine Retina. Neurochemical Research, 2014, 39, 2360-2369.	1.6	16
95	Melatonin and hydroxytyrosol protect against oxidative stress related to the central nervous system after the ingestion of three types of wine by healthy volunteers. Food and Function, 2017, 8, 64-74.	2.1	16
96	Valorization Strategy of Banana Passion Fruit Shell Wastes: An Innovative Source of Phytoprostanes and Phenolic Compounds and Their Potential Use in Pharmaceutical and Cosmetic Industries. Journal of Food and Nutrition Research (Newark, Del), 2017, 5, 801-808.	0.1	16
97	Effect of the dietary intake of melatonin- and hydroxytyrosol-rich wines by healthy female volunteers on the systemic lipidomic-related oxylipins. Food and Function, 2017, 8, 3745-3757.	2.1	15
98	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.	1.3	15
99	Total Synthesis of Photoactivatable or Fluorescent Anandamide Probes: Novel Bioactive Compounds with Angiogenic Activity. Journal of Medicinal Chemistry, 2009, 52, 1005-1017.	2.9	14
100	Snapshot situation of oxidative degradation of the nervous system, kidney, and adrenal glands biomarkers-neuroprostane and dihomo-isoprostanes-urinary biomarkers from infancy to elderly adults. Redox Biology, 2017, 11, 586-591.	3.9	14
101	Isoprostanoids in Clinical and Experimental Neurological Disease Models. Antioxidants, 2018, 7, 88.	2.2	14
102	Assessment of lipid peroxidation and artificial neural network models in early Alzheimer Disease diagnosis. Clinical Biochemistry, 2019, 72, 64-70.	0.8	14
103	Formation of trans-epoxy fatty acids correlates with formation of isoprostanes and could serve as biomarker of oxidative stress. Prostaglandins and Other Lipid Mediators, 2019, 144, 106334.	1.0	14
104	Effects of Deficit Irrigation, Rootstock, and Roasting on the Contents of Fatty Acids, Phytoprostanes, and Phytofurans in Pistachio Kernels. Journal of Agricultural and Food Chemistry, 2020, 68, 8915-8924.	2.4	14
105	Oxylipin regulation by phenolic compounds from coffee beverage: Positive outcomes from a randomized controlled trial in healthy adults and macrophage derived foam cells. Free Radical Biology and Medicine, 2020, 160, 604-617.	1.3	14
106	Chemical Compositional Changes in Over-Oxidized Fish Oils. Foods, 2020, 9, 1501.	1.9	14
107	New lipophenols prevent carbonyl and oxidative stresses involved in macular degeneration. Free Radical Biology and Medicine, 2021, 162, 367-382.	1.3	14
108	F2-Isoprostanes: Review of Analytical Methods. Current Pharmaceutical Analysis, 2006, 2, 69-78.	0.3	13

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109	Limited Antioxidant Effect of Rosemary in Lipid Oxidation of Pan-Fried Salmon. Biomolecules, 2019, 9, 313.	1.8	13
110	Lipid Peroxidation Assessment in Preclinical Alzheimer Disease Diagnosis. Antioxidants, 2021, 10, 1043.	2.2	13
111	Do Levels of Lipid Peroxidation Biomarkers Reflect the Degree of Brain Injury in Newborns?. Antioxidants and Redox Signaling, 2021, 35, 1467-1475.	2.5	13
112	Short-time UVA exposure to human keratinocytes instigated polyunsaturated fatty acid without inducing lipid peroxidation. Free Radical Research, 2017, 51, 269-280.	1.5	12
113	Identification and quantification of phytoprostanes and phytofurans of coffee and cocoa by- and co-products. Food and Function, 2019, 10, 6882-6891.	2.1	12
114	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.	1.3	12
115	Neuroprotective effects of DHA-derived peroxidation product 4(RS)-4-F4t-neuroprostane on microglia. Free Radical Biology and Medicine, 2022, 185, 1-5.	1.3	12
116	Effects of Cyclic Fatty Acid Monomers from Heated Vegetable Oil on Markers of Inflammation and Oxidative Stress in Male Wistar Rats. Journal of Agricultural and Food Chemistry, 2018, 66, 7172-7180.	2.4	11
117	Does Pasteurized Donor Human Milk Efficiently Protect Preterm Infants Against Oxidative Stress?. Antioxidants and Redox Signaling, 2019, 31, 791-799.	2.5	11
118	Isopropylâ€phloroglucinolâ€DHA protects outer retinal cells against lethal dose of allâ€transâ€retinal. Journal of Cellular and Molecular Medicine, 2020, 24, 5057-5069.	1.6	11
119	Potential applications of lipid peroxidation products â€“ F4-neuroprostanes, F3-neuroprostanesn-6 DPA, F2-dihomo-isoprostanes and F2-isoprostanes â€in the evaluation of the allograft function in renal transplantation. Free Radical Biology and Medicine, 2017, 104, 178-184.	1.3	10
120	Evaluation of Phoenix dactylifera Edible Parts and Byproducts as Sources of Phytoprostanes and Phytofurans. Journal of Agricultural and Food Chemistry, 2020, 68, 8942-8950.	2.4	10
121	Î±-Linolenic acid and product octadecanoids in Styrian pumpkin seeds and oils: How processing impacts lipidomes of fatty acid, triacylglycerol and oxylipin molecular structures. Food Chemistry, 2022, 371, 131194.	4.2	10
122	Targeted Lipidomics Profiling Reveals the Generation of Hydroxytyrosol-Fatty Acids in Hydroxytyrosol-Fortified Oily Matrices: New Analytical Methodology and Cytotoxicity Evaluation. Journal of Agricultural and Food Chemistry, 2020, 68, 7789-7799.	2.4	9
123	Phytoprostanes and phytofurans modulate COX-2-linked inflammation markers in LPS-stimulated THP-1 monocytes by lipidomics workflow. Free Radical Biology and Medicine, 2021, 167, 335-347.	1.3	9
124	Decreased Fatty Acid Transporter FABP1 and Increased Isoprostanes and Neuroprostanes in the Human Term Placenta: Implications for Inflammation and Birth Weight in Maternal Pre-Gestational Obesity. Nutrients, 2021, 13, 2768.	1.7	9
125	Intranasal Administration of Nanovectorized Docosahexaenoic Acid (DHA) Improves Cognitive Function in Two Complementary Mouse Models of Alzheimerâ€™s Disease. Antioxidants, 2022, 11, 838.	2.2	9
126	F₂-Isoprostanes in HDL are bound to neutral lipids and phospholipids. Free Radical Research, 2016, 50, 1374-1385.	1.5	8

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127	Bis-allylic Deuterated DHA Alleviates Oxidative Stress in Retinal Epithelial Cells. Antioxidants, 2019, 8, 447.	2.2	8
128	Total Synthesis of a Docosahexaenoic Acid Prostanoid Using an Intramolecular Organocatalytic Michael Reaction of a Formyl-Enal Derivative. Organic Letters, 2020, 22, 7455-7459.	2.4	8
129	FAHFAs Regulate the Proliferation of C2C12 Myoblasts and Induce a Shift toward a More Oxidative Phenotype in Mouse Skeletal Muscle. International Journal of Molecular Sciences, 2020, 21, 9046.	1.8	8
130	Preclinical pharmacology of a lipophenol in a mouse model of light-induced retinopathy. Experimental and Molecular Medicine, 2020, 52, 1090-1101.	3.2	8
131	Urinary oxylipin signature as biomarkers to monitor the allograft function during the first six months post-renal transplantation. Free Radical Biology and Medicine, 2020, 146, 340-349.	1.3	7
132	Bioactive plant oxylipins-based lipidomics in eighty worldwide commercial dark chocolates: Effect of cocoa and fatty acid composition on their dietary burden. Microchemical Journal, 2020, 157, 105083.	2.3	7
133	Alpha-linolenic acid, phytoprostanes and phytofurans in plant, algae and food. Advances in Botanical Research, 2022, 101, 437-468.	0.5	7
134	Total Synthesis of the Isoketal 5â€Ð₂â€IsoK Natural Product Based on Organocatalysis. European Journal of Organic Chemistry, 2016, 2016, 5813-5816.	1.2	6
135	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.	0.7	6
136	Garlic Supplementation Modified Enzymatic Omegaâ€6 Polyunsaturated Fatty Acid Oxidation in Mild Hypercholesterolemia. European Journal of Lipid Science and Technology, 2019, 121, 1900069.	1.0	6
137	Linotrins: Omega-3 oxylipins featuring an E,Z,E conjugated triene motif are present in the plant kingdom and alleviate inflammation in LPS-challenged microglial cells. European Journal of Medicinal Chemistry, 2022, 231, 114157.	2.6	6
138	First Total Syntheses of Novel Nonâ€Enzymatic Polyunsaturated Fatty Acid Metabolites and Their Identification in Edible Oils. Chemistry - A European Journal, 2020, 26, 10090-10098.	1.7	5
139	Synthesis of a photoactivatable probe of the anandamide re-uptake. Natural Product Research, 2005, 19, 419-423.	1.0	4
140	Peripancreatic Adipose Tissue Remodeling and Inflammation during High Fat Intake of Palm Oils or Lard in Rats. Nutrients, 2021, 13, 1134.	1.7	4
141	Fatty Acid Hydroxytyrosyl Esters of Olive Oils Are Bioaccessible According to Simulated In Vitro Gastrointestinal Digestion: Unraveling the Role of Digestive Enzymes on Their Stability. Journal of Agricultural and Food Chemistry, 2021, 69, 14165-14175.	2.4	4
142	Discovery and quantification of lipoamino acids in bacteria. Analytica Chimica Acta, 2022, 1193, 339316.	2.6	4
143	Unravelling the capacity of hydroxytyrosol and its lipophenolic derivates to modulate the H2O2-induced isoprostanoid profile of THP-1 monocytes by UHPLC-QqQ-MS/MS lipidomic workflow. Microchemical Journal, 2021, 170, 106703.	2.3	3
144	Isoprostanoids, Isofuranoids and Isoketals â€“ From Synthesis to Lipidomics. European Journal of Organic Chemistry, 0, , .	1.2	3

#	Article	IF	Citations
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