

Lionel Ulmann

List of Publications by Year in descending order

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33
papers

1,205
citations

516710

16
h-index

414414

32
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33
all docs

33
docs citations

33
times ranked

1667
citing authors

#	ARTICLE	IF	CITATIONS
1	The Potential of Microalgae for the Production of Bioactive Molecules of Pharmaceutical Interest. <i>Current Pharmaceutical Biotechnology</i> , 2012, 13, 2733-2750.	1.6	201
2	Combined effects of irradiance level and carbon source on fatty acid and lipid class composition in the microalga <i>Pavlova lutheri</i> commonly used in mariculture. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 369, 136-143.	1.5	124
3	Modulation of lipid biosynthesis by stress in diatoms. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160407.	4.0	97
4	Plastids of Marine Phytoplankton Produce Bioactive Pigments and Lipids. <i>Marine Drugs</i> , 2013, 11, 3425-3471.	4.6	86
5	Effect of UV stress on the fatty acid and lipid class composition in two marine microalgae <i>Pavlova lutheri</i> (Pavlovophyceae) and <i>Odontella aurita</i> (Bacillariophyceae). <i>Journal of Applied Phycology</i> , 2010, 22, 629-638.	2.8	75
6	Microalgal carotenoids and phytosterols regulate biochemical mechanisms involved in human health and disease prevention. <i>Biochimie</i> , 2019, 167, 106-118.	2.6	72
7	Docosahexaenoic acid intake decreases proliferation, increases apoptosis and decreases the invasive potential of the human breast carcinoma cell line MDA-MB-231. <i>International Journal of Oncology</i> , 2010, 36, 737-42.	3.3	65
8	Fatty acids profile and temperature in the cultured marine diatom <i>Odontella aurita</i> . <i>Journal of Applied Phycology</i> , 2014, 26, 2265-2271.	2.8	54
9	The role of <i>Odontella aurita</i> , a marine diatom rich in EPA, as a dietary supplement in dyslipidemia, platelet function and oxidative stress in high-fat fed rats. <i>Lipids in Health and Disease</i> , 2012, 11, 147.	3.0	52
10	Age-related changes in antioxidant defence mechanisms and peroxidation in isolated hepatocytes from spontaneously hypertensive and normotensive rats. <i>Molecular and Cellular Biochemistry</i> , 1994, 132, 25-29.	3.1	37
11	Nitrogen and phosphorus limitations induce carbon partitioning and membrane lipid remodelling in the marine diatom <i>Phaeodactylum tricornutum</i> . <i>European Journal of Phycology</i> , 2019, 54, 342-358.	2.0	31
12	ENVIRONMENTAL FACTORS AFFECTING GROWTH AND OMEGA 3 FATTY ACID COMPOSITION IN SKELETONEMA COSTATUM. THE INFLUENCES OF IRRADIANCE AND CARBON SOURCE. <i>Diatom Research</i> , 2008, 23, 93-103.	1.2	29
13	Preventive Effects of the Marine Microalga <i>Phaeodactylum tricornutum</i> , Used as a Food Supplement, on Risk Factors Associated with Metabolic Syndrome in Wistar Rats. <i>Nutrients</i> , 2019, 11, 1069.	4.1	25
14	Fish Oil and Microalga Omega-3 as Dietary Supplements: A Comparative Study on Cardiovascular Risk Factors in High-Fat Fed Rats. <i>Lipids</i> , 2016, 51, 1037-1049.	1.7	23
15	Lipids From Microalgae. , 2018, , 109-131.		20
16	Light-dependent utilization of two radiolabelled carbon sources, sodium bicarbonate and sodium acetate, and relationships with long chain polyunsaturated fatty acid synthesis in the microalga <i>Pavlova lutheri</i> (Haptophyta). <i>European Journal of Phycology</i> , 2011, 46, 143-152.	2.0	18
17	Argan oil prevents prothrombotic complications by lowering lipid levels and platelet aggregation, enhancing oxidative status in dyslipidemic patients from the area of Rabat (Morocco). <i>Lipids in Health and Disease</i> , 2013, 12, 107.	3.0	17
18	Marine microalgae used as food supplements and their implication in preventing cardiovascular diseases. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2015, 22, D409.	1.4	17

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19	Light Intensity Regulates LC-PUFA Incorporation into Lipids of <i>Pavlova lutheri</i> and the Final Desaturase and Elongase Activities Involved in Their Biosynthesis. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 1261-1267.	5.2	17
20	Maternal supplementation with n-3 long chain polyunsaturated fatty acids during perinatal period alleviates the metabolic syndrome disturbances in adult hamster pups fed a high-fat diet after weaning. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 726-733.	4.2	15
21	PAHs increase the production of extracellular vesicles both in vitro in endothelial cells and in vivo in urines from rats. <i>Environmental Pollution</i> , 2019, 255, 113171.	7.5	15
22	The Marine Microalga, <i>Tisochrysis lutea</i> , Protects against Metabolic Disorders Associated with Metabolic Syndrome and Obesity. <i>Nutrients</i> , 2021, 13, 430.	4.1	15
23	Elongation and desaturation of arachidonic and eicosapentaenoic acids in rat liver. Effect of clofibrate feeding. <i>Lipids and Lipid Metabolism</i> , 1991, 1086, 349-353.	2.6	14
24	A comparative study on the effect of argan oil versus fish oil on risk factors for cardio-vascular disease in high-fat-fed rats. <i>Nutrition</i> , 2019, 57, 32-39.	2.4	14
25	Microalgal Fatty Acids and Their Implication in Health and Disease. <i>Mini-Reviews in Medicinal Chemistry</i> , 2017, 17, 1112-1123.	2.4	14
26	Use of radiolabeled substrates to determine the desaturase and elongase activities involved in eicosapentaenoic acid and docosahexaenoic acid biosynthesis in the marine microalga <i>Pavlova lutheri</i> . <i>Phytochemistry</i> , 2013, 90, 43-49.	2.9	13
27	Contribution of n-3 Long-Chain Polyunsaturated Fatty Acids to the Prevention of Breast Cancer Risk Factors. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7936.	2.6	10
28	Incorporation of δ^6 - and δ^5 -desaturation fatty acids in liver microsomal lipid classes of obese Zucker rats fed n δ^6 or n δ^3 fatty acids. <i>Lipids and Lipid Metabolism</i> , 1994, 1214, 73-78.	2.6	9
29	Protective Action of <i>Ostreococcus Tauri</i> and <i>Phaeodactylum Tricornutum</i> Extracts towards Benzo[a]Pyrene-Induced Cytotoxicity in Endothelial Cells. <i>Marine Drugs</i> , 2020, 18, 3.	4.6	8
30	The Potential of the Marine Microalga <i>Diacronema lutheri</i> in the Prevention of Obesity and Metabolic Syndrome in High-Fat-Fed Wistar Rats. <i>Molecules</i> , 2022, 27, 4246.	3.8	8
31	Incorporation into liver microsomal lipids of linoleic and stearic acids and of their respective products of δ^6 and δ^9 desaturation, δ^3 -linolenic and oleic acids: effect of age and of blackcurrant seed oil. <i>Lipids and Lipid Metabolism</i> , 1991, 1086, 230-236.	2.6	7
32	The effect of dietary δ^7 -bromopalmitate on blood lipids in the rat. <i>Lipids and Lipid Metabolism</i> , 1989, 1004, 143-146.	2.6	2
33	No altered blood pressure and serum markers of oxidative stress after a long time dietary fish oil in the genetically 9 month-old type-2 diabetes Zucker rat. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2010, 83, 211-218.	2.2	1