CITATION REPORT List of articles citing

Nutritional evaluation of microalgae oils rich in omega-3 long chain polyunsaturated fatty acids as an alternative for fish oil

DOI: 10.1016/j.foodchem.2014.03.087 Food Chemistry, 2014, 160, 393-400.

Source: https://exaly.com/paper-pdf/58930194/citation-report.pdf

Version: 2024-04-19

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
195	Chemical Properties and Applications of Food Additives: Preservatives, Dietary Ingredients, and Processing Aids. 2014 , 1-20		
194	Production of Structured Triacylglycerols from Perilla Seed Oil and Tripalmitin Catalyzed by Lipozyme RM IM. 2014 , 1033-1034, 777-780		
193	Research Highlights. 2014 , 26, 234-237		
192	Osteoporose richtig diagnostizieren. 2015 , 20, 37-43		
191	Lecithin influences cocoa butter crystallization depending on concentration and matrix. 2015 , 117, 172	2-1732	12
190	Towards the Industrial Production of Omega-3 Long Chain Polyunsaturated Fatty Acids from a Genetically Modified Diatom Phaeodactylum tricornutum. 2015 , 10, e0144054		7 ²
189	Biologically Active Metabolites Synthesized by Microalgae. 2015 , 2015, 835761		154
188	Microalgal Biorefineries. 2015 ,		12
187	Genetic Engineering of Microalgae for Production of Value-added Ingredients. 2015, 405-414		2
186	Pavlova lutheri is a high-level producer of phytosterols. <i>Algal Research</i> , 2015 , 10, 210-217	5	46
185	The Algae World. 2015 ,		13
184	Polyunsaturated Fatty Acids from Algae. 2015 , 467-481		2
183	Feeding laying hens stearidonic acid-enriched soybean oil, as compared to flaxseed oil, more efficiently enriches eggs with very long-chain n-3 polyunsaturated fatty acids. 2015 , 63, 2789-97		28
182	Fatty acid methyl ester profiles and nutritive values of 20 marine microalgae in Korea. 2015 , 8, 191-6		28
181	Biotechnological exploitation of microalgae. 2015 , 66, 6975-90		86
180	Fish Consumption: Choices in the Intersection of Public Concern, Fish Welfare, Food Security, Human Health and Climate Change. 2015 , 28, 533-551		14
179	Investigation of Biodiesel Potential of Biomasses of Microalgaes Chlorella, Spirulina and Tetraselmis by NMR and GC-MS Techniques. 2016 , 06,		3

(2016-2016)

178	Optimization of One-Step In Situ Transesterification Method for Accurate Quantification of EPA in Nannochloropsis gaditana. <i>Applied Sciences (Switzerland)</i> , 2016 , 6, 343	2.6	14
177	High pressure homogenization of Nannochloropsis oculata for the extraction of intracellular components: Effect of process conditions and culture age. 2016 , 118, 631-639		29
176	Chemical Characterization of Six Microalgae with Potential Utility for Food Application. 2016 , 93, 963-9	72	83
175	Influence of feeding stearidonic acid (18:4n-3)-enriched soybean oil, as compared to conventional soybean oil, on tissue deposition of very long-chain omega-3 fatty acids in meat-type chickens. 2016 , 217, 1-12		8
174	In vitro bioaccessibility of proteins and lipids of pH-shift processed Nannochloropsis oculata microalga. 2016 , 7, 2016-24		33
173	Algae as a Novel Source of Antimicrobial Compounds. 2016 , 377-396		4
172	Haematococcus pluvialis as a source of fatty acids and phytosterols: potential nutritional and biological implications. <i>Journal of Applied Phycology</i> , 2016 , 28, 3283-3294	3.2	21
171	Microencapsulation of Oils: A Comprehensive Review of Benefits, Techniques, and Applications. 2016 , 15, 143-182		380
170	Molecular Characterization and Anti-inflammatory Activity of Galactosylglycerides and Galactosylceramides from the Microalga Isochrysis galbana. 2016 , 64, 8783-8794		34
169	Microbial Production of Vitamin F and Other Polyunsaturated Fatty Acids. 2016 , 287-320		1
168	Use of a lipid rich strain reveals mechanisms of nitrogen limitation and carbon partitioning in the haptophyte Tisochrysis lutea. <i>Algal Research</i> , 2016 , 20, 229-248	5	22
167	Recovery of nutrients from swine wastewater using ultrafiltration: Applications for microalgae cultivation in photobioreactors. 2016 , 94, 75-81		23
166	Fish nutrition research: past, present and future. 2016 , 24, 767-786		64
165	The cell wall of autotrophic microalgae influences the enrichment of long chain omega-3 fatty acids in the egg. <i>Algal Research</i> , 2016 , 16, 209-215	5	9
164	Valorization of Flue Gas by Combining Photocatalytic Gas Pretreatment with Microalgae Production. 2016 , 50, 2538-45		9
163	Microbial oils as food additives: recent approaches for improving microbial oil production and its polyunsaturated fatty acid content. 2016 , 37, 24-35		206
162	De novo transcriptome analysis of carotenoid and polyunsaturated fatty acid metabolism in Rhodomonas sp <i>Journal of Applied Phycology</i> , 2016 , 28, 1649-1656	3.2	8
161	Production of long chain omega-3 fatty acids and carotenoids in tropical areas by a new heat-tolerant microalga Tetraselmis sp. DS3. <i>Food Chemistry</i> , 2016 , 192, 682-90	8.5	41

160	Effect of high temperature on the lipid composition of Isochrysis galbana Parke in logarithmic phase. 2017 , 25, 327-339		9
159	Development of new green processes for the recovery of bioactives from Phaeodactylum tricornutum. <i>Food Research International</i> , 2017 , 99, 1056-1065	7	59
158	Quality Characteristics of Refined Squid (Todarodes pacificus) Oil as an Alternative Resource for Omega-3 Fatty Acids. 2017 , 41, e12780		1
157	Analysis of phospholipids and neutral lipids in three common northern cold water diatoms: Coscinodiscus concinnus, Porosira glacialis, and Chaetoceros socialis, by ultra-high performance liquid chromatography-mass spectrometry. <i>Journal of Applied Phycology</i> , 2017 , 29, 1241-1249	3.2	13
156	Microalgae and cyanobacteria as enzyme biofactories. Algal Research, 2017, 25, 76-89	5	85
155	Molecular Identification and Comparative Evaluation of Tropical Marine Microalgae for Biodiesel Production. 2017 , 19, 328-344		6
154	Effect of the addition of Chaetoceros calcitrans, Navicula sp. and Phaeodactylum tricornutum (diatoms) on phytoplankton composition and growth of Litopenaeus vannamei (Boone) postlarvae reared in a biofloc system. 2017 , 48, 4155-4164		15
153	The effect of adding a commercial phytosterol ester mixture on the phase behavior of palm oil. <i>Food Research International</i> , 2017 , 100, 841-849	7	11
152	Effects of dietary lipid profile on larval performance and lipid management in Senegalese sole. <i>Aquaculture</i> , 2017 , 468, 80-93	4.4	11
151	Fatty Acids from Microalgae: Targeting the Accumulation of Triacylglycerides. 2017,		5
151 150	Fatty Acids from Microalgae: Targeting the Accumulation of Triacylglycerides. 2017 , Microalgal Feed Supplementation to Enrich Eggs with Omega-3 Fatty Acids. 2017 , 383-391		5
150	Microalgal Feed Supplementation to Enrich Eggs with Omega-3 Fatty Acids. 2017 , 383-391	3.2	1
150 149	Microalgal Feed Supplementation to Enrich Eggs with Omega-3 Fatty Acids. 2017, 383-391 Bioengineered Plants Can Be a Useful Source of Omega-3 Fatty Acids. 2017, 2017, 7348919 Nannochloropsis sp. ethanol extract prevents macrophage and LDL oxidation and enhances PON1 activity through the principal active compound lyso-diacylglyceryltrimethylhomoserine (lyso-DGTS).	3.2	1 32
150 149 148	Microalgal Feed Supplementation to Enrich Eggs with Omega-3 Fatty Acids. 2017, 383-391 Bioengineered Plants Can Be a Useful Source of Omega-3 Fatty Acids. 2017, 2017, 7348919 Nannochloropsis sp. ethanol extract prevents macrophage and LDL oxidation and enhances PON1 activity through the principal active compound lyso-diacylglyceryltrimethylhomoserine (lyso-DGTS). Journal of Applied Phycology, 2018, 30, 1679-1689 Synthesis of novel medium-long-medium type structured lipids from microalgae oil via two-step	3.2	1 32 4
150 149 148	Microalgal Feed Supplementation to Enrich Eggs with Omega-3 Fatty Acids. 2017, 383-391 Bioengineered Plants Can Be a Useful Source of Omega-3 Fatty Acids. 2017, 2017, 7348919 Nannochloropsis sp. ethanol extract prevents macrophage and LDL oxidation and enhances PON1 activity through the principal active compound lyso-diacylglyceryltrimethylhomoserine (lyso-DGTS). Journal of Applied Phycology, 2018, 30, 1679-1689 Synthesis of novel medium-long-medium type structured lipids from microalgae oil via two-step enzymatic reactions. 2018, 68, 108-116 Comparison of microalgal biomasses as functional food ingredients: Focus on the composition of		1 32 4
150 149 148 147 146	Microalgal Feed Supplementation to Enrich Eggs with Omega-3 Fatty Acids. 2017, 383-391 Bioengineered Plants Can Be a Useful Source of Omega-3 Fatty Acids. 2017, 2017, 7348919 Nannochloropsis sp. ethanol extract prevents macrophage and LDL oxidation and enhances PON1 activity through the principal active compound lyso-diacylglyceryltrimethylhomoserine (lyso-DGTS). <i>Journal of Applied Phycology</i> , 2018, 30, 1679-1689 Synthesis of novel medium-long-medium type structured lipids from microalgae oil via two-step enzymatic reactions. 2018, 68, 108-116 Comparison of microalgal biomasses as functional food ingredients: Focus on the composition of cell wall related polysaccharides. <i>Algal Research</i> , 2018, 32, 150-161 Mechanical cell disruption of Parachlorella kessleri microalgae: Impact on lipid fraction		1 32 4 11 95

142	Effect of cultivation mode on the production of docosahexaenoic acid by Tisochrysis lutea. 2018 , 8, 50		10
141	Photoautotrophic Microalgal Cultivation and Conversion. 2018 , 81-115		3
140	Influence of adding a commercial phytosterol ester mixture on the Equilibrium trystallization behavior of palm oil. 2018 , 17, 1-8		6
139	Isothermal Crystallization Kinetics of Palm Oil as Influenced by Addition of a Commercial Phytosterol Ester Mixture. 2018 , 66, 3910-3921		3
138	Microalgae in aquafeeds for a sustainable aquaculture industry. <i>Journal of Applied Phycology</i> , 2018 , 30, 197-213	3.2	167
137	Overall development of a bioprocess for the outdoor production of Nannochloropsis gaditana for aquaculture. 2018 , 49, 165-176		15
136	The use of Nannochloropsis sp. as a source of omega-3 fatty acids in dry pasta: chemical, technological and sensory evaluation. 2018 , 53, 499-507		23
135	Polyunsaturated EB and E6 fatty acids, total carotenoids and antioxidant activity of three marine microalgae extracts obtained by supercritical CO2 and subcritical n-butane. 2018 , 133, 437-443		45
134	Biomass from microalgae: the potential of domestication towards sustainable biofactories. <i>Microbial Cell Factories</i> , 2018 , 17, 173	6.4	101
133	Suboptimal Temperature Acclimation Affects Kennedy Pathway Gene Expression, Lipidome and Metabolite Profile of during PUFA Enriched TAG Synthesis. <i>Marine Drugs</i> , 2018 , 16,	6	15
132	Designer and Functional Food Lipids in Dietary Regimes: Current Trends and Future Prospects. 2018 , 283-316		
131	Use of microalgae in ruminant nutrition and implications on milk quality [A review. 2018 , 214, 25-35		26
130	Impact of processing on n-3 LC-PUFA in model systems enriched with microalgae. <i>Food Chemistry</i> , 2018 , 268, 441-450	8.5	20
129	Microalga Isochrysis galbana in feed for Trachinotus ovatus: effect on growth performance and fatty acid composition of fish fillet and liver. 2018 , 26, 1261-1280		16
128	Bioavailability and Safety of Nutrients from the Microalgae and in C57BL/6 Mice. <i>Nutrients</i> , 2018 , 10,	6.7	31
127	Preliminary data on the dietary safety, tolerability and effects on lipid metabolism of the marine microalga Tisochrysis lutea. <i>Algal Research</i> , 2018 , 34, 244-249	5	13
126	Fucoxanthin and Polyunsaturated Fatty Acids Co-Extraction by a Green Process. <i>Molecules</i> , 2018 , 23,	4.8	27
125	Lipid and unsaturated fatty acid productions from three microalgae using nitrate and light-emitting diodes with complementary LED wavelength in a two-phase culture system. 2019 , 42, 1517-1526		11

124	The use of dimethyl ether as an organic extraction solvent for biomass applications in future biorefineries: A user-oriented review. 2019 , 254, 115703		22
123	Novel insights into mixotrophic cultivation of Nitzschia laevis for co-production of fucoxanthin and eicosapentaenoic acid. 2019 , 294, 122145		22
122	Bio-processing of algal bio-refinery: a review on current advances and future perspectives. 2019 , 10, 574-592		75
121	Recent Advances in Microalgal Bioactives for Food, Feed, and Healthcare Products: Commercial Potential, Market Space, and Sustainability. 2019 , 18, 1882-1897		59
120	Statistical Methods for Rapid Quantification of Proteins, Lipids, and Carbohydrates in Nordic Microalgal Species Using ATR-FTIR Spectroscopy. <i>Molecules</i> , 2019 , 24,	4.8	12
119	Pressurized liquid extraction with ethanol as a green and efficient technology to lipid extraction of Isochrysis biomass. 2019 , 293, 122049		20
118	Microwave-assisted three-liquid-phase salting-out extraction of docosahexaenoic acid (DHA)-rich oil from cultivation broths of Schizochytrium limacinium SR21. 2019 , 118, 237-247		8
117	Multifunctional fluorocarbon photobioreactor system: a novel integrated device for CO segregation, O collection, and enhancement of microalgae growth and bioproductions. 2019 , 42, 1591-	-1601	3
116	Production and Applications of Polyunsaturated Fatty Acids. 2019 , 109-125		0
115	Microalgae for High-Value Products Towards Human Health and Nutrition. <i>Marine Drugs</i> , 2019 , 17,	6	185
		U	
114	Preventive Effects of the Marine Microalga , Used as a Food Supplement, on Risk Factors Associated with Metabolic Syndrome in Wistar Rats. <i>Nutrients</i> , 2019 , 11,	6.7	12
114			
	Associated with Metabolic Syndrome in Wistar Rats. <i>Nutrients</i> , 2019 , 11, A review on lipid production from microalgae: Association between cultivation using waste streams		12
113	Associated with Metabolic Syndrome in Wistar Rats. <i>Nutrients</i> , 2019 , 11, A review on lipid production from microalgae: Association between cultivation using waste streams and fatty acid profiles. 2019 , 109, 448-466 Impact of microalgal species on the oxidative stability of n-3 LC-PUFA enriched tomato puree. <i>Algal</i>	6.7	12
113	Associated with Metabolic Syndrome in Wistar Rats. <i>Nutrients</i> , 2019 , 11, A review on lipid production from microalgae: Association between cultivation using waste streams and fatty acid profiles. 2019 , 109, 448-466 Impact of microalgal species on the oxidative stability of n-3 LC-PUFA enriched tomato puree. <i>Algal Research</i> , 2019 , 40, 101502	6.7	12 60 9
113 112 111	Associated with Metabolic Syndrome in Wistar Rats. <i>Nutrients</i> , 2019 , 11, A review on lipid production from microalgae: Association between cultivation using waste streams and fatty acid profiles. 2019 , 109, 448-466 Impact of microalgal species on the oxidative stability of n-3 LC-PUFA enriched tomato puree. <i>Algal Research</i> , 2019 , 40, 101502 Potential of Microalgae Biomass for the Sustainable Production of Bio-commodities. 2019 , 243-276	6.7	12 60 9
113 112 111 110	Associated with Metabolic Syndrome in Wistar Rats. <i>Nutrients</i> , 2019 , 11, A review on lipid production from microalgae: Association between cultivation using waste streams and fatty acid profiles. 2019 , 109, 448-466 Impact of microalgal species on the oxidative stability of n-3 LC-PUFA enriched tomato puree. <i>Algal Research</i> , 2019 , 40, 101502 Potential of Microalgae Biomass for the Sustainable Production of Bio-commodities. 2019 , 243-276 Organic Aquaculture. 2019 ,	6.7	12 60 9 3

Microbial Oils as Nutraceuticals and Animal Feeds. 2019, 1-45 106 7 Heterotrophic cultivation of microalgae in straw lignocellulose hydrolysate for production of 105 22 high-value biomass rich in polyunsaturated fatty acids (PUFA). 2019, 367, 37-44 Biomass recovery and lipid extraction processes for microalgae biofuels production: A review. 2019 83 104 , 107, 87-107 Microalgae as healthy ingredients for functional foods. 2019, 103-137 103 Dual functions of eicosapentaenoic acid-rich microalgae: enrichment of yolk with n-3 polyunsaturated fatty acids and partial replacement for soybean meal in diet of laying hens. Poultry 102 3.9 20 Science, 2019, 98, 350-357 Increasing the Omega-3 Content of Hen's Eggs Through Dietary Supplementation with Aurantiochytrium limacinum Microalgae: Effect of Inclusion Rate on the Temporal Pattern of 101 21 Docosahexaenoic Acid Enrichment, Efficiency of Transfer, and Egg Characteristics. 2019, 28, 329-338 Effects of emulsifier type on physical and oxidative stabilities of algae oil-in-water emulsions. 2019, 100 9 54, 1530-1540 Simultaneous extraction and fractionation of omega-3 acylglycerols and glycolipids from wet 99 29 microalgal biomass of Nannochloropsis gaditana using pressurized liquids. Algal Research, 2019, 37, 74-82 Chemical characterization and nutritional evaluation of microalgal biomass from large-scale 98 7 production: a comparative study of five species. 2020, 246, 323-332 Microbial production of omega-3 polyunsaturated fatty acids. 2020, 293-326 97 Effects of dietary Nannochloropsis sp. powder and lipids on the growth performance and fatty acid 96 7 composition of larval and postlarval kuruma shrimp, Marsupenaeus japonicus. 2020, 26, 186-200 Cell disruption of Nannochloropsis sp. improves in vitro bioaccessibility of carotenoids and 95 5.1 39 B-LC-PUFA. Journal of Functional Foods, **2020**, 65, 103770 Mixture design as a potential tool in modeling the effect of light wavelength on cultivation: an alternative solution to increase microalgae lipid productivity for biodiesel production. Preparative 94 2.4 10 Biochemistry and Biotechnology, 2020, 50, 379-389 Aquaculture and by-products: Challenges and opportunities in the use of alternative protein 6 93 15 sources and bioactive compounds. Advances in Food and Nutrition Research, 2020, 92, 127-185 Microalgae-based nitrogen bioremediation. Algal Research, 2020, 46, 101775 92 5 17 Effect of dietary n-3 polyunsaturated fatty acids on the composition of cecal microbiome of 2.8 91 Lohmann hens. Prostaglandins Leukotrienes and Essential Fatty Acids, 2020, 162, 102182 Extraction of common microalgae by liquefied dimethyl ether: influence of species and 6 90 2.3 pretreatment on oil yields and composition. Biomass Conversion and Biorefinery, 2020, 1 Distinct microalgae species for foodpart 1: a methodological (top-down) approach for the life cycle assessment of microalgae cultivation in tubular photobioreactors. Journal of Applied 89 9 3.2 Phycology, 2020, 32, 2977-2995

Sterols from microalgae. 2020, 573-596 88 1

87	Separation of microalgal docosahexaenoic acid-rich oils using a microwave-assisted three-phase partitioning system. <i>Separation and Purification Technology</i> , 2020 , 252, 117441	8.3	5
86	Impact of thermal processing on the nutrients, phytochemicals, and metal contaminants in edible algae. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 1-19	11.5	12
85	Sustainable Food Production and Nutraceutical Applications from Qatar Desert sp. (Chlorophyceae). <i>Animals</i> , 2020 , 10,	3.1	2
84	Oxidative status and intestinal health of gilthead sea bream (Sparus aurata) juveniles fed diets with different ARA/EPA/DHA ratios. <i>Scientific Reports</i> , 2020 , 10, 13824	4.9	15
83	Suitability of Tisochrysis lutea at different growth phases as an enrichment diet for Brachionus plicatilis sp. complex rotifers. <i>Journal of Applied Phycology</i> , 2020 , 32, 3933-3947	3.2	4
82	Producing Omega-3 Polyunsaturated Fatty Acids: A Review of Sustainable Sources and Future Trends for the EPA and DHA Market. <i>Resources</i> , 2020 , 9, 148	3.7	40
81	Phase Behavior and Polymorphism of Saturated and Unsaturated Phytosterol Esters. <i>Molecules</i> , 2020 , 25,	4.8	
80	Utilization of lipid-extracted biomass (LEB) to improve the economic feasibility of biodiesel production from green microalgae. <i>Environmental Reviews</i> , 2020 , 28, 325-338	4.5	7
79	Emerging Technologies in Algal Biotechnology: Toward the Establishment of a Sustainable, Algae-Based Bioeconomy. <i>Frontiers in Plant Science</i> , 2020 , 11, 279	6.2	86
78	Omega-3 microbial oils from marine thraustochytrids as a sustainable and technological solution: A review and patent landscape. <i>Trends in Food Science and Technology</i> , 2020 , 99, 244-256	15.3	17
77	Effect of Carotenoids from on Palmitate-Treated HepG2 Cells. <i>Molecules</i> , 2020 , 25,	4.8	1
76	Enhancement of polyunsaturated fatty acid production under low-temperature stress in Cylindrotheca closterium. <i>Journal of Applied Phycology</i> , 2020 , 32, 989-1001	3.2	11
75	Chemical composition, fatty acid profile and molecular changes derived from nitrogen stress in the diatom Chaetoceros muelleri. <i>Aquaculture Reports</i> , 2020 , 16, 100281	2.3	5
74	Microalgae as a promising and sustainable nutrition source for managed honey bees. <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 104, e21658	2.3	9
73	Supercritical CO2 extraction of Aurantiochytrium sp. biomass for the enhanced recovery of omega-3 fatty acids and phenolic compounds. <i>Journal of CO2 Utilization</i> , 2020 , 38, 24-31	7.6	20
72	Comparative effects of dietary microalgae oil and fish oil on fatty acid composition and sensory quality of table eggs. <i>Poultry Science</i> , 2020 , 99, 1734-1743	3.9	16
71	Assessment of Halamphora coffeaeformis Growth and Biochemical Composition for Aquaculture Purposes. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 282	2.4	3

70	Structured form of DHA prevents neurodegenerative disorders: A better insight into the pathophysiology and the mechanism of DHA transport to the brain. <i>Nutrition Research</i> , 2021 , 85, 119-13	s 4	8
69	Traditional and novel sources of long-chain omega-3 fatty acids. 2021 , 3-23		
68	Production of Edible Oil from Microorganisms. 2021 , 563-592		
67	Techno-economic assessment of microalgae for biofuel, chemical, and bioplastic. 2021 , 409-432		O
66	Development of a novel nannochloropsis strain with enhanced violaxanthin yield for large-scale production. <i>Microbial Cell Factories</i> , 2021 , 20, 43	6.4	5
65	Techno-economic assessment of microalgae cultivation in a tubular photobioreactor for food in a humid continental climate. <i>Clean Technologies and Environmental Policy</i> , 2021 , 23, 1475	4.3	10
64	Photoautotrophic production of eicosapentaenoic acid. <i>Critical Reviews in Biotechnology</i> , 2021 , 41, 731-	794.84	5
63	Improvement of Unsaturated Fatty Acid Production from Using a Two-Phase Culture System in a Photobioreactor with Light-Emitting Diodes (LEDs). <i>Journal of Microbiology and Biotechnology</i> , 2021 , 31, 456-463	3.3	1
62	38. The impact of nutrition on intramuscular omega-3 fatty acid composition of lamb meat: A systematic review and meta-analysis. <i>Animal Science Proceedings</i> , 2021 , 12, 28		1
61	Improving the feasibility of aquaculture feed by using microalgae. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 43234-43257	5.1	6
60	Current analytical techniques for the characterization of lipophilic bioactive compounds from microalgae extracts. <i>Biomass and Bioenergy</i> , 2021 , 149, 106078	5.3	4
59	Engineering microalgae: transition from empirical design to programmable cells. <i>Critical Reviews in Biotechnology</i> , 2021 , 41, 1233-1256	9.4	8
58	Yogurt Enriched with : An Innovative Functional Food. <i>Foods</i> , 2021 , 10,	4.9	3
57	Influence of Algae Supplementation on the Concentration of Glutathione and the Activity of Glutathione Enzymes in the Mice Liver and Kidney. <i>Nutrients</i> , 2021 , 13,	6.7	O
56	A co-cultivation process of Nannochloropsis oculata and Tisochrysis lutea induces morpho-physiological and biochemical variations potentially useful for biotechnological purposes. <i>Journal of Applied Phycology</i> , 2021 , 33, 2817-2832	3.2	3
55	Bioactive substances and potentiality of marine microalgae. <i>Food Science and Nutrition</i> , 2021 , 9, 5279-52	29.2	5
54	Three-liquid-phase salting-out extraction of eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA)-rich oils from <i>Engineering in Life Sciences</i> , 2021 , 21, 666-682	3.4	1
53	Food Ingredients and Nutraceuticals from Microalgae: Main Product Classes and Biotechnological Production. <i>Foods</i> , 2021 , 10,	4.9	11

52	Integration of Algal Biofuels With Bioremediation Coupled Industrial Commodities Towards Cost-Effectiveness. <i>Frontiers in Energy Research</i> , 2021 , 9,	3.8	4
51	Differential responses in EPA and fucoxanthin production by the marine diatom Stauroneis sp. under varying cultivation conditions. <i>Biotechnology Progress</i> , 2021 , e3197	2.8	2
50	Chemical composition of selected marine microalgae, with emphasis on lipid and carbohydrate production for potential use as feed resources. <i>Journal of Applied Phycology</i> , 1	3.2	4
49	Microbiota composition and intestinal integrity remain unaltered after the inclusion of hydrolysed Nannochloropsis gaditana in Sparus aurata diet. <i>Scientific Reports</i> , 2021 , 11, 18779	4.9	1
48	Algae biotechnology for industrial wastewater treatment, bioenergy production, and high-value bioproducts. <i>Science of the Total Environment</i> , 2022 , 806, 150585	10.2	16
47	Effects of light intensity on the production of phycoerythrin and polyunsaturated fatty acid by microalga Rhodomonas salina. <i>Algal Research</i> , 2021 , 58, 102397	5	2
46	Microalgae as sources of omega-3 polyunsaturated fatty acids: Biotechnological aspects. <i>Algal Research</i> , 2021 , 58, 102410	5	10
45	Cultivating marine macroalgae in CO2-enriched seawater: A bio-economic approach. <i>Aquaculture</i> , 2021 , 544, 737042	4.4	2
44	Co-production of fucoxanthin, docosahexaenoic acid (DHA) and bioethanol from the marine microalga Tisochrysis lutea. <i>Biochemical Engineering Journal</i> , 2021 , 176, 108160	4.2	3
43	An innovative role of bioactive compounds from microalgae. 2022 , 313-336		O
42	Reducing off-flavors in plant-based omega-3 oil emulsions using interfacial engineering: Coating algae oil droplets with pea protein/flaxseed gum. <i>Food Hydrocolloids</i> , 2022 , 122, 107069	10.6	6
41	Overview of biopolymers. 2021 , 1-19		2
40	EXTRACTION AND EVALUATION OF EDIBLE OIL FROM <i>SCHIZOCHYTRIUM</i> SP. USING AN AQUEOUS ENZYMATIC METHOD. Frontiers of Agricultural Science and Engineering, 2021,	1.7	
39	Future perspectives of microalgae in the food industry. 2021 , 387-433		2
38	Chemical Properties and Applications of Food Additives: Preservatives, Dietary Ingredients, and Processing Aids. 2015 , 75-100		2
37	A novel bubble-driven internal mixer for improving productivities of algal biomass and biodiesel in a bubble-column photobioreactor under natural sunlight. <i>Renewable Energy</i> , 2020 , 157, 605-615	8.1	9
36	DHA content in milk and biohydrogenation pathway in rumen: a review. <i>PeerJ</i> , 2020 , 8, e10230	3.1	2
35	Bioprospection of biocompounds and dietary supplements of microalgae with immunostimulating activity: a comprehensive review. <i>PeerJ</i> , 2019 , 7, e7685	3.1	2

34	Nutritional value of microalgae for ruminants and implications from microalgae production <i>CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources</i> , 2021 , 16,	3.2	1
33	Comparative Response of Marine Microalgae to HO-Induced Oxidative Stress. <i>Applied Biochemistry and Biotechnology</i> , 2021 , 193, 4052-4067	3.2	2
32	Ethanol Extraction of Polar Lipids from for Food, Feed, and Biotechnology Applications Evaluated Using Lipidomic Approaches. <i>Marine Drugs</i> , 2021 , 19,	6	3
31	Supercritical fluid extraction (SCFE) as green extraction technology for high-value metabolites of algae, its potential trends in food and human health. <i>Food Research International</i> , 2021 , 150, 110746	7	10
30	Triagem da fonte de lipase para hidrlīse de leo microalgal visando a obtento de tidos graxos poli-insaturados.		
29	The Bioeconomy of Production of Microalgal Pigments. 2020 , 325-362		1
28	Lipid yield from the diatom Porosira glacialis is determined by solvent choice and number of extractions, independent of cell disruption. <i>Scientific Reports</i> , 2020 , 10, 22229	4.9	2
27	Microbial Oils as Nutraceuticals and Animal Feeds. 2020 , 401-445		1
26	Algal Biotechnology: A Sustainable Route for Omega-3 Fatty Acid Production. 2020, 125-145		4
25	Iron and methyl jasmonate increase high-value PUFA production by elevating the expression of desaturase genes in marine microalga Isochrysis sp. <i>Journal of Applied Microbiology</i> , 2021 ,	4.7	Ο
24	An Insight into the Potential Application of Microalgae in Pharmaceutical and Nutraceutical Production. 2021 , 135-179		3
23	Towards a sustainable supply of omega-3 fatty acids: Screening microalgae for scalable production of eicosapentaenoic acid (EPA). <i>Algal Research</i> , 2021 , 102564	5	1
22	Bioprospecting microalgae harnessed from the coastal belt of Mangalore, India as prospective nutraceutical and biofuel candidates. <i>Applied Phycology</i> , 2021 , 2, 60-73	2.6	1
21	Physiological Response of an Oil-Producing Microalgal Strain to Salinity and Light Stress <i>Foods</i> , 2022 , 11,	4.9	Ο
20	Effects on Cell Growth, Lipid and Biochemical Composition of Thalassiosira weissflogii (Bacillariophyceae) Cultured under Two Nitrogen Sources. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 961	2.6	2
19	Production of microalgae with high lipid content and their potential as sources of nutraceuticals <i>Phytochemistry Reviews</i> , 2022 , 1-28	7.7	2
18	Application of genetic disruption of a Nannochloropsis oceanica cell wall synthesizing gene to n-3 HUFA enrichment of Brachionus plicatilis. <i>Aquaculture</i> , 2022 , 552, 738022	4.4	О
17	Intracellular Biosynthesis of Gold Nanoparticles for Monitoring Microalgal Biomass via Surface-Enhanced Raman Spectroscopy. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	O

16	Highly Valuable Polyunsaturated Fatty Acids from Microalgae: Strategies to Improve Their Yields and Their Potential Exploitation in Aquaculture <i>Molecules</i> , 2021 , 26,	4.8	3
15	Simultaneous extraction of DHA and EPA -rich oil and separation of proteins from antarctic krill using three-phase partitioning system of cosolvents and organic salt. <i>Journal of Chemical Technology and Biotechnology</i> ,	3.5	
14	Biofuel production from microalgae: challenges and chances. <i>Phytochemistry Reviews</i> , 1	7.7	7
13	Chromatographic Techniques to Separate and Identify Bioactive Compounds in Microalgae. Frontiers in Energy Research, 10,	3.8	
12	Solar biorefinery concept for sustainable co-production of microalgae-based protein and renewable fuel. <i>Journal of Cleaner Production</i> , 2022 , 368, 132981	10.3	1
11	Simultaneous photoautotrophic production of DHA and EPA by Tisochrysis lutea and Microchloropsis salina in co-culture.		
10	Microalgae biodiesel: A sustainable source of energy, unit operations, technological challenges, and solutions. 2022 , 8, 100145		1
9	Problems in the Development of Efficient Biotechnology for the Synthesis of Valuable Components from Microalgae Biomass. 2022 , 56, 425-439		O
8	Microalgae-based wastewater treatment for developing economic and environmental sustainability: Current status and future prospects. 10,		О
7	Bio-production of eicosapentaenoic acid from the diatom Nanofrustulum shiloi via two-step high performance countercurrent chromatography.		O
6	Feeding laying hens docosahexaenoic acid-rich microalgae oil at 40 g/kg diet causes hypotriglyceridemia, depresses egg production, and attenuates expression of key genes affecting hepatic triglyceride synthesis and secretion, but is rescued by dietary co-supplementation of		О
5	high-oleic sunflower oil. 2022, 102318 Antioxidative capacity of microalgal carotenoids for stabilizing n-3 LC-PUFA rich oil: Initial quantity is key. 2023, 406, 135044		O
4	Simultaneous photoautotrophic production of DHA and EPA by Tisochrysis lutea and Microchloropsis salina in co-culture. 2022 , 9,		3
3	Promising Sources of Plant-Derived Polyunsaturated Fatty Acids: A Narrative Review. 2023 , 20, 1683		1
2	Propanol and 1, 3-propanediol enhance fatty acid accumulation synergistically in Schizochytrium ATCC 20888. 13,		0
1	Characterization and Antioxidant Evaluation of Four Kinds of Marine Oils <i>in vitro</i>. 2023 , 72, 389-397		O