John L Harwood

List of Publications by Year
in descending order

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288 papers	11,542 citations	31974 53 h-index	39667 94 g-index
298 all docs	298 docs citations	298 times ranked	10672 citing authors

#	Article	IF	Citations
1	Lipids and lipid metabolism in eukaryotic algae. Progress in Lipid Research, 2006, 45, 160-186.	11.6	843
2	Recent advances in the biosynthesis of plant fatty acids. Lipids and Lipid Metabolism, 1996, 1301, 7-56.	2.6	431
3	Does the membrane's physical state control the expression of heat shock and other genes?. Trends in Biochemical Sciences, 1998, 23, 369-374.	7.5	338
4	A raison dâ€™Ãªtre for two distinct pathways in the early steps of plant isoprenoid biosynthesis?. Progress in Lipid Research, 2012, 51, 95-148.	11.6	310
5	The versatility of algae and their lipid metabolism. Biochimie, 2009, 91, 679-684.	2.6	268
6	The lipid biochemistry of eukaryotic algae. Progress in Lipid Research, 2019, 74, 31-68.	11.6	258
7	Increasing the flow of carbon into seed oil. Biotechnology Advances, 2009, 27, 866-878.	11.7	256
8	n-3 Fatty Acids Specifically Modulate Catabolic Factors Involved in Articular Cartilage Degradation. Journal of Biological Chemistry, 2000, 275, 721-724.	3.4	227
9	Pathologic indicators of degradation and inflammation in human osteoarthritic cartilage are abrogated by exposure to n-3 fatty acids. Arthritis and Rheumatism, 2002, 46, 1544-1553.	6.7	214
10	The significance of lipid composition for membrane activity: New concepts and ways of assessing function. Progress in Lipid Research, 2005, 44, 303-344.	11.6	201
11	Membrane lipid therapy: Modulation of the cell membrane composition and structure as a molecular base for drug discovery and new disease treatment. Progress in Lipid Research, 2015, 59, 38-53.	11.6	181
12	Metabolic control analysis is helpful for informed genetic manipulation of oilseed rape (Brassica) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	4.8	171
13	Mechanisms of temperature adaptation in poikilotherms. FEBS Letters, 2006, 580, 5477-5483.	2.8	163
14	Biochemistry of lipid metabolism in olive and other oil fruits. Progress in Lipid Research, 2000, 39, 151-180.	11.6	148
15	Algal lipids and effect of the environment on their biochemistry. , 2009, , 1-24.		144
16	Key role of lipids in heat stress management. FEBS Letters, 2013, 587, 1970-1980.	2.8	137
17	Heat shock response in photosynthetic organisms: Membrane and lipid connections. Progress in Lipid Research, 2012, 51, 208-220.	11.6	134
18	Lipid Metabolism in Algae. Advances in Botanical Research, 1989, 16, 1-53.	1.1	133

#	ARTICLE	IF	CITATIONS
19	Biosynthesis of triacylglycerols and volatiles in olives. European Journal of Lipid Science and Technology, 2002, 104, 564-573.	1.5	130
20	Molecular modification of triacylglycerol accumulation by over-expression of<i>DGAT1</i>to produce canola with increased seed oil content under field conditionsThis paper is one of a selection of papers published in a Special Issue from the National Research Council of Canada â€“ Plant Biotechnology Institute.. Botany, 2009, 87, 533-543.	1.0	126
21	Can the stress protein response be controlled by â€˜membrane-lipid therapyâ€™?. Trends in Biochemical Sciences, 2007, 32, 357-363.	7.5	119
22	Plasma membranes as heat stress sensors: From lipid-controlled molecular switches to therapeutic applications. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1594-1618.	2.6	115
23	Oxidation of polyunsaturated fatty acids to produce lipid mediators. Essays in Biochemistry, 2020, 64, 401-421.	4.7	109
24	The Plant Sulpholipidâ€”a Major Component of the Sulphur Cycle. Biochemical Society Transactions, 1979, 7, 440-447.	3.4	104
25	Nutritional and health aspects of olive oil. European Journal of Lipid Science and Technology, 2002, 104, 685-697.	1.5	104
26	Identification and characterization of a recombinant metallothionein protein from a marine alga, Fucus vesiculosus. Biochemical Journal, 1999, 338, 553-560.	3.7	96
27	Analogues of Thiolactomycin as Potential Antimalarial Agents. Journal of Medicinal Chemistry, 2005, 48, 5932-5941.	6.4	95
28	Algae: Critical Sources of Very Long-Chain Polyunsaturated Fatty Acids. Biomolecules, 2019, 9, 708.	4.0	92
29	Changes in the lipid content of developing seeds of Brassica napus. Phytochemistry, 1993, 32, 1411-1415.	2.9	83
30	Acetyl-CoA carboxylase exerts strong flux control over lipid synthesis in plants. Lipids and Lipid Metabolism, 1994, 1210, 369-372.	2.6	83
31	A plant metallothionein produced inE. coli. FEBS Letters, 1991, 295, 171-175.	2.8	82
32	Lipoxygenase activity in olive (Olea europaea) fruit. JAOCS, Journal of the American Oil Chemists' Society, 1999, 76, 1163-1168.	1.9	82
33	Biological basis for the benefit of nutraceutical supplementation in arthritis. Drug Discovery Today, 2004, 9, 165-172.	6.4	79
34	Analogues of thiolactomycin as potential anti-malarial and anti-trypanosomal agents. Bioorganic and Medicinal Chemistry, 2004, 12, 683-692.	3.0	77
35	Membrane Regulation of the Stress Response from Prokaryotic Models to Mammalian Cells. Annals of the New York Academy of Sciences, 2007, 1113, 40-51.	3.8	76
36	Changes in Kennedy pathway intermediates associated with increased triacylglycerol synthesis in oil-seed rape. Phytochemistry, 1999, 52, 799-804.	2.9	74

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37	Control analysis of lipid biosynthesis in tissue cultures from oil crops shows that flux control is shared between fatty acid synthesis and lipid assembly. Biochemical Journal, 2002, 364, 393-401.	3.7	74
38	Spatial and Temporal Mapping of Key Lipid Species in <i>Brassica napus</i> Seeds. Plant Physiology, 2017, 173, 1998-2009.	4.8	72
39	A Bifunctional Î”12,Î”15-Desaturase from Acanthamoeba castellanii Directs the Synthesis of Highly Unusual n-1 Series Unsaturated Fatty Acids. Journal of Biological Chemistry, 2006, 281, 36533-36541.	3.4	71
40	Effect of Irrigation on Quality Attributes of Olive Oil. Journal of Agricultural and Food Chemistry, 2009, 57, 7048-7055.	5.2	69
41	Hsp70 interactions with membrane lipids regulate cellular functions in health and disease. Progress in Lipid Research, 2019, 74, 18-30.	11.6	67
42	The synthesis of acyl lipids in plant tissues. Progress in Lipid Research, 1979, 18, 55-86.	11.6	66
43	Lipid functions in skin: Differential effects of n-3 polyunsaturated fatty acids on cutaneous ceramides, in a human skin organ culture model. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1679-1689.	2.6	64
44	Lipidomics reveals membrane lipid remodelling and release of potential lipid mediators during early stress responses in a murine melanoma cell line. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 1036-1047.	2.4	63
45	RISING WATER TEMPERATURES ALTER LIPID DYNAMICS AND REDUCE N-3 ESSENTIAL FATTY ACID CONCENTRATIONS IN SCENEDESMUS OBLIQUUS (CHLOROPHYTA)1. Journal of Phycology, 2011, 47, 763-774.	2.3	62
46	Fatty acid biosynthesis by a particulate preparation from germinating pea. Biochemical Journal, 1977, 168, 261-269.	3.1	61
47	Lipid composition of subcellular membranes from larvae and prepupae ofDrosophila melanogaster. Lipids, 1992, 27, 984-987.	1.7	61
48	Incorporation of Carbon Dioxide, Acetate and Sulphate into the Glycerolipids ofVicia fabaLeaves. Hoppe-Seyler's Zeitschrift FÃ¼r Physiologische Chemie, 1977, 358, 897-908.	1.6	60
49	Heat Stress Causes Spatially-Distinct Membrane Re-Modelling in K562 Leukemia Cells. PLoS ONE, 2011, 6, e21182.	2.5	59
50	Changes in the acyl lipid composition of photosynthetic bacteria grown under photosynthetic and non-photosynthetic conditions. Biochemical Journal, 1979, 181, 339-345.	3.7	58
51	Lipid metabolism in plants. Critical Reviews in Plant Sciences, 1989, 8, 1-43.	5.7	58
52	Changes in virgin olive oil characteristics during different storage conditions. European Journal of Lipid Science and Technology, 2010, 112, 906-914.	1.5	57
53	Lipids and lipid metabolism in the brown alga, Fucus serratus. Phytochemistry, 1984, 23, 2469-2473.	2.9	55
54	Lipid composition of the brown algae fucus vesiculosus and Ascophyllum nodosum. Phytochemistry, 1992, 31, 3397-3403.	2.9	55

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55	Studies on the regulation of lipid biosynthesis in plants: application of control analysis to soybean. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1488-1500.	2.6	55
56	Glycolytic Breakdown of Sulfoquinovose in Bacteria: a Missing Link in the Sulfur Cycle. Applied and Environmental Microbiology, 2003, 69, 6434-6441.	3.1	54
57	Leaf senescence in a non-yellowing mutant of Festuca pratensis. Planta, 1982, 156, 152-157.	3.2	53
58	Kinetic studies on two isoforms of acetyl-CoA carboxylase from maize leaves. Biochemical Journal, 1996, 318, 997-1006.	3.7	53
59	Effects ofn-3 fatty acids on cartilage metabolism. Proceedings of the Nutrition Society, 2002, 61, 381-389.	1.0	53
60	Abscisic acid modifies the changes in lipids brought about by water stress in the moss Atrichum androgynum. New Phytologist, 2002, 156, 255-264.	7.3	53
61	A mandelamide pesticide alters lipid metabolism in Phytophthora infestans. New Phytologist, 2003, 158, 345-353.	7.3	52
62	Acylâ€Trafficking During Plant Oil Accumulation. Lipids, 2015, 50, 1057-1068.	1.7	52
63	Radiolabelling studies of acyl lipids in developing seeds of Brassica napus: Use of [1-14C]acetate precursor. Phytochemistry, 1993, 33, 329-333.	2.9	51
64	Dietary DHA supplementation causes selective changes in phospholipids from different brain regions in both wild type mice and the Tg2576 mouse model of Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 524-537.	2.4	51
65	Lipids of the marine red algae, Chondrus crispus and Polysiphonia lanosa. Phytochemistry, 1989, 28, 399-405.	2.9	50
66	Phospholipid metabolism in the brown alga, Fucus serratus. Phytochemistry, 1982, 21, 569-573.	2.9	49
67	The short chain condensing enzyme has a widespread occurrence in the fatty acid synthetases from higher plants. Phytochemistry, 1990, 29, 3797-3799.	2.9	49
68	Synthesis of Phospholipids by Human Peritoneal Mesothelial Cells. Peritoneal Dialysis International, 1994, 14, 348-355.	2.3	48
69	The utilization and desaturation of oleate and linoleate during glycerolipid biosynthesis in olive (Olea europaea L.) callus cultures. Journal of Experimental Botany, 2008, 59, 2425-2435.	4.8	47
70	Environmental factors which can alter lipid metabolism. Progress in Lipid Research, 1994, 33, 193-202.	11.6	46
71	Lipid synthesis by germinating soya bean. Phytochemistry, 1975, 14, 1985-1990.	2.9	45
72	Metabolic control analysis reveals an important role for diacylglycerol acyltransferase in olive but not in oil palm lipid accumulation. FEBS Journal, 2005, 272, 5764-5770.	4.7	45

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73	Analysis of volatiles from callus cultures of olive Olea europaea. Phytochemistry, 1998, 47, 1253-1259.	2.9	44
74	Using lipidomics to reveal details of lipid accumulation in developing seeds from oilseed rape (Brassica napus L.). Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 339-348.	2.4	44
75	The transmembrane distribution of galactolipids in chloroplast thylakoids is universal in a wide variety of temperate climate plants. Photosynthesis Research, 1987, 11, 3-13.	2.9	43
76	Lipoxygenase pathway in olive callus cultures (Olea europaea). Phytochemistry, 2000, 53, 13-19.	2.9	43
77	Metabolic control analysis of developing oilseed rape (<i>Brassica napus</i> cv Westar) embryos shows that lipid assembly exerts significant control over oil accumulation. New Phytologist, 2012, 196, 414-426.	7.3	43
78	Light-Induced Changes in Fatty Acid Profiles of Specific Lipid Classes in Several Freshwater Phytoplankton Species. Frontiers in Plant Science, 2016, 7, 264.	3.6	43
79	Identification and characterization of a recombinant metallothionein protein from a marine alga, Fucus vesiculosus. Biochemical Journal, 1999, 338, 553.	3.7	42
80	Algal Lipids and Their Metabolism. , 2013, , 17-36.		42
81	Synthesis of molecular species of phosphatidylcholine and phosphatidylethanolamine by germinating soya bean. Phytochemistry, 1976, 15, 1459-1463.	2.9	41
82	Acetyl-CoA Carboxylase-a Graminicide Target Site. Pest Management Science, 1997, 50, 67-71.	0.4	41
83	Dihomo-Î³-linolenic acid inhibits several key cellular processes associated with atherosclerosis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 2538-2550.	3.8	41
84	Metabolism of trans-3-Hexadecenoic Acid in Broad Bean. FEBS Journal, 1975, 50, 325-334.	0.2	39
85	Lipid Metabolism in the Brown Marine AlgaeFucus vesiculosusandAscophyllum nodosum. Journal of Experimental Botany, 1993, 44, 1203-1210.	4.8	39
86	The regulation of triacylglycerol biosynthesis in cocoa (Theobroma cacao) L.. Planta, 1991, 184, 279-284.	3.2	38
87	Use of metabolic control analysis to give quantitative information on control of lipid biosynthesis in the important oil crop, <i>Elaeis guineensis</i> (oilpalm). New Phytologist, 2009, 184, 330-339.	7.3	38
88	The in vitro delivery of NSAIDs across skin was in proportion to the delivery of essential fatty acids in the vehicleâ€"evidence that solutes permeate skin associated with their solvation cages?. International Journal of Pharmaceutics, 2003, 261, 165-169.	5.2	37
89	In silico characterization and expression profiling of the diacylglycerol acyltransferase gene family (DGAT1, DGAT2, DGAT3 and WS/DGAT) from oil palm, Elaeis guineensis. Plant Science, 2018, 275, 84-96.	3.6	37
90	Membrane Lipids in Algae. , 1998, , 53-64.		36

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91	Lead and copper effects on lipid metabolism in cultured lichen photobionts with different phosphorus status. Phytochemistry, 2006, 67, 1731-1739.	2.9	36
92	Plant Lipid Metabolism. , 1997, , 237-272.		35
93	Increasing seed oil content in Brassica species through breeding and biotechnology. Lipid Technology, 2013, 25, 182-185.	0.3	35
94	BIOSYNTHESIS OF SMALL MOLECULES IN CHLOROPLASTS OF HIGHER PLANTS. Biological Reviews, 1976, 51, 365-405.	10.4	33
95	Effect of thiocarbamate herbicides on fatty acid synthesis by potato. Phytochemistry, 1976, 15, 1507-1509.	2.9	33
96	Differential responses of a range of photosynthetic tissues to a substituted pyridazinone, sandoz 9785. Specific effects on fatty acid desaturation. Phytochemistry, 1985, 24, 1923-1929.	2.9	33
97	Novel inhibitors of the condensing enzymes of the Type II fatty acid synthase of pea (Pisum sativum). Biochemical Journal, 2000, 347, 205-209.	3.7	33
98	Control mechanisms operating for lipid biosynthesis differ in oil-palm (Elaeis guineensis Jacq.) and olive (Olea europaea L.) callus cultures. Biochemical Journal, 2002, 364, 385-391.	3.7	32
99	Lysophospholipid metabolism facilitates Toll-like receptor 4 membrane translocation to regulate the inflammatory response. Journal of Leukocyte Biology, 2008, 84, 86-92.	3.3	31
100	Biochemistry of high stearic sunflower, a new source of saturated fats. Progress in Lipid Research, 2014, 55, 30-42.	11.6	31
101	Lipid metabolism in the moss Rhytidiadelphus squarrosus (Hedw.) Warnst. from leadâ€contaminated and nonâ€contaminated populations. Journal of Experimental Botany, 2002, 53, 455-463.	4.8	30
102	Lipid metabolism in cultured lichen photobionts with different phosphorus status. Phytochemistry, 2003, 64, 209-217.	2.9	30
103	Eicosapentaenoic Acid and Docosahexaenoic Acid Regulate Modified LDL Uptake and Macropinocytosis in Human Macrophages. Lipids, 2011, 46, 1053-1061.	1.7	30
104	Regulation and enhancement of lipid accumulation in oil crops: The use of metabolic control analysis for informed genetic manipulation. European Journal of Lipid Science and Technology, 2013, 115, 1239-1246.	1.5	30
105	Lipid metabolism in green leaves of developing monocotyledons. Planta, 1978, 139, 267-272.	3.2	29
106	The action of herbicides on fatty acid biosynthesis and elongation in barley and cucumber. Pest Management Science, 2010, 66, 794-800.	3.4	29
107	Synthesis of sulphoquinovosyl diacylglycerol by higher plants. Lipids and Lipid Metabolism, 1975, 398, 224-230.	2.6	28
108	Solubilisation, partial purification and properties of acyl-CoA: glycerol-3-phosphate acyltransferase from avocado (Persea americana) fruit mesocarp. Lipids and Lipid Metabolism, 1995, 1257, 1-10.	2.6	28

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109	Lipids: From Chemical Structures, Biosynthesis, and Analyses to Industrial Applications. Sub-Cellular Biochemistry, 2016, 86, 1-18.	2.4	28
110	Lipid metabolism in germinating seeds. Lipids and Lipid Metabolism, 1979, 575, 102-111.	2.6	27
111	The subcellular localisation of absorbed copper in Fucus. Physiologia Plantarum, 1986, 66, 692-698.	5.2	27
112	Lipid metabolism in the red marine algae Chondrus crispus and Polysiphonia lanosa as modified by temperature. Phytochemistry, 1989, 28, 2053-2058.	2.9	27
113	Olive Oil Qualitative Parameters after Orchard Irrigation with Saline Water. Journal of Agricultural and Food Chemistry, 2009, 57, 1421-1425.	5.2	27
114	Acyl-CoA:diacylglycerol acyltransferase: Properties, physiological roles, metabolic engineering and intentional control. Progress in Lipid Research, 2022, 88, 101181.	11.6	27
115	Inhibition of fatty acid elongation provides a basis for the action of the herbicide, ethofumesate, on surface wax formation. Phytochemistry, 1992, 31, 1155-1159.	2.9	26
116	The regulation of triacylglycerol biosynthesis in cocoa (Theobroma cacao) L.. Planta, 1991, 184, 279-284.	3.2	26
117	Purification of acyl hydrolase enzymes from the leaves of Phaseolus multiflorus. Phytochemistry, 1979, 18, 1793-1797.	2.9	24
118	Adaptive changes in the lipids of higher-plant membranes. Biochemical Society Transactions, 1983, 11, 343-346.	3.4	24
119	Changes in Endogenous Fatty Acids and Lipid Synthesis Associated with Copper Pollution inFucusspp. Journal of Experimental Botany, 1985, 36, 663-669.	4.8	24
120	The site of action of some selective graminaceous herbicides is identified as acetyl-CoA carboxylase. Trends in Biochemical Sciences, 1988, 13, 330-331.	7.5	24
121	Changes in Membrane Fatty Acid Composition and ?12-Desaturase Activity during Growth of Acanthamoeba castellanii in Batch Culture. Journal of Eukaryotic Microbiology, 1994, 41, 396-401.	1.7	23
122	Contrasting Effects of nâ€3 and nâ€6 Fatty Acids on Cyclooxygenaseâ€2 in Model Systems for Arthritis. Lipids, 2009, 44, 889-96.	1.7	23
123	Properties of acyl hydrolase enzymes from Phaseolus multiflorus leaves. Phytochemistry, 1980, 19, 2281-2285.	2.9	22
124	Acyl lipid metabolism in the oleaginous yeastRhodotorula gracilis (CBS 3043). Lipids, 1989, 24, 715-720.	1.7	22
125	Temperature-induced Changes in the Synthesis of Unsaturated Fatty Acids byAcanthamoeba castellanii. Journal of Protozoology, 1991, 38, 532-536.	0.8	22
126	Purification and characterisation of acyl-CoA: glycerol 3-phosphate acyltransferase from oil palm (Elaeis guineensis) tissues. Planta, 2000, 210, 318-328.	3.2	22

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127	Catabolism of sulphoquinovosyl diacylglycerol by an enzyme preparation from Phaseolus multiflorus. Phytochemistry, 1977, 16, 651-654.	2.9	21
128	Use of [2-3H]glycerol precursor in radiolabelling studies of acyl lipids in developing seeds of Brassica napus. Phytochemistry, 1993, 34, 69-73.	2.9	21
129	Regulation of lipid synthesis in oil crops. FEBS Letters, 2013, 587, 2079-2081.	2.8	20
130	Strategies for coping with low environmental temperatures. Trends in Biochemical Sciences, 1991, 16, 126-127.	7.5	19
131	Conditions for the assay of glutamate semialdehyde aminotransferase that overcome the problem of substrate instability. Analytical Biochemistry, 1991, 198, 43-46.	2.4	19
132	Acylation of lysophosphatidylcholine plays a key role in the response of monocytes to lipopolysaccharide. FEBS Journal, 2003, 270, 2782-2788.	0.2	19
133	Effect of culture conditions on the lipid composition of Phytophthora infestans. New Phytologist, 2003, 158, 337-344.	7.3	19
134	Catabolism of Sulpholipid by an Enzyme from the Leaves of <i>Phaseolus multiflorus</i>. Biochemical Society Transactions, 1977, 5, 1302-1304.	3.4	18
135	Lipid Metabolism inFucus serratusas Modified by Environmental Factors. Journal of Experimental Botany, 1984, 35, 1359-1368.	4.8	18
136	Characterization of fatty acid elongase enzymes from germinating pea seeds. Phytochemistry, 1998, 48, 1295-1304.	2.9	18
137	Lipid composition of Botrytis cinerea and inhibition of its radiolabelling by the fungicide iprodione. New Phytologist, 2003, 160, 199-207.	7.3	18
138	Protective Role for Properdin in Progression of Experimental Murine Atherosclerosis. PLoS ONE, 2014, 9, e92404.	2.5	18
139	Tc1 mouse model of trisomy-21 dissociates properties of short- and long-term recognition memory. Neurobiology of Learning and Memory, 2016, 130, 118-128.	1.9	18
140	Comparative Transcriptomics Analysis of Brassica napus L. during Seed Maturation Reveals Dynamic Changes in Gene Expression between Embryos and Seed Coats and Distinct Expression Profiles of Acyl-CoA-Binding Proteins for Lipid Accumulation. Plant and Cell Physiology, 2019, 60, 2812-2825.	3.1	18
141	Some characteristics of soluble fatty acid synthesis in germinating pea seeds. Lipids and Lipid Metabolism, 1977, 489, 15-24.	2.6	17
142	Effect of Substituted Pyridazinones on Chloroplast Structure and Lipid Metabolism in Greening Barley Leaves. Journal of Experimental Botany, 1983, 34, 1089-1100.	4.8	17
143	Purification of ctp: cholinephosphate cytidylyl-transferase from pea stems. Phytochemistry, 1985, 24, 2523-2527.	2.9	17
144	Involvement of Chloroplast Lipids in the Reaction of Plants Submitted to Stress. , 1998, , 287-302.		17

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145	Glucosamine Hydrochloride but Not Chondroitin Sulfate Prevents Cartilage Degradation and Inflammation Induced by Interleukin-1Î± in Bovine Cartilage Explants. Cartilage, 2016, 7, 70-81.	2.7	17
146	Increase in lysophosphatidate acyltransferase activity in oilseed rape (<i>Brassica napus</i>) increases seed triacylglycerol content despite its low intrinsic flux control coefficient. New Phytologist, 2019, 224, 700-711.	7.3	17
147	Changes in the lipid metabolism of fucus serratus and fucus vesiculosus caused by copper. Lipids and Lipid Metabolism, 1984, 796, 119-122.	2.6	16
148	Direct identification and quantification of the cofactor in glutamate semialdehyde aminotransferase from pea leaves. FEBS Letters, 1991, 283, 4-6.	2.8	16
149	Interaction of thiocarbamate herbicides with fatty acid synthesis in germinating peas and their microsomal fractions. Phytochemistry, 1991, 30, 2883-2887.	2.9	16
150	Glycerolipid biosynthesis by microsomal fractions from olive fruits. Phytochemistry, 1992, 31, 129-134.	2.9	16
151	Susceptibilities of Different Test Systems from Maize (Zea mays),Poa annua,andFestuca rubrato Herbicides That Inhibit the Enzyme Acetyl-Coenzyme A Carboxylase. Pesticide Biochemistry and Physiology, 1996, 55, 129-139.	3.6	16
152	Glycerolipid synthesis by microsomal fractions from Olea europaea fruits and tissue cultures. Phytochemistry, 1997, 46, 265-272.	2.9	16
153	Oxygen induces fatty acid (n-6)-desaturation independently of temperature inAcanthamoeba castellanii. FEBS Letters, 1998, 425, 171-174.	2.8	16
154	Conserved valproic-acid-induced lipid droplet formation in <i>Dictyostelium</i> and human hepatocytes identifies structurally active compounds. DMM Disease Models and Mechanisms, 2012, 5, 231-240.	2.4	16
155	Nutritional lipid supply can control the heat shock response of B16 melanoma cells in culture. Molecular Membrane Biology, 2012, 29, 274-289.	2.0	16
156	The role of n-3 dietary polyunsaturated fatty acids in brain function and ameliorating Alzheimer's disease: Opportunities for biotechnology in the development of nutraceuticals. Biocatalysis and Agricultural Biotechnology, 2012, 1, 159-166.	3.1	16
157	Fatty acid synthesis in aged potato slices. Phytochemistry, 1976, 15, 1501-1506.	2.9	15
158	The effect of indoleacetic acid on phospholipid metabolism in pea stems. Phytochemistry, 1983, 22, 2421-2425.	2.9	15
159	The effect of trace metals on lipid metabolism in the brown alga Fucus serratus. Biochemical Society Transactions, 1983, 11, 394-395.	3.4	15
160	[44] Phosphoglycerides of mitochondrial membranes. Methods in Enzymology, 1987, , 475-485.	1.0	15
161	Oxygen induction of a novel fatty acid nâˆ'6 desaturase in the soil protozoon, Acanthamoeba castellanii. Biochemical Journal, 2002, 368, 57-67.	3.7	15
162	The Microaerophilic Flagellate, <i>Trichomonas vaginalis</i>, Contains Unusual Acyl Lipids but no Detectable Cardiolipin. Journal of Eukaryotic Microbiology, 2009, 56, 52-57.	1.7	15

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163	Induction of expression of a 14-3-3 gene in response to copper exposure in the marine alga, Fucus vesiculosus. Ecotoxicology, 2012, 21, 124-138.	2.4	15
164	The action of protamine on clearing factor lipase and on plasma triglyceride metabolism. Lipids and Lipid Metabolism, 1974, 337, 225-238.	2.6	14
165	Preferential ÏЀâ€"ÏЀ complexation between tamoxifen and borage oil/Î³ linolenic acid: Transcutaneous delivery and NMR spectral modulation. International Journal of Pharmaceutics, 2005, 302, 47-55.	5.2	14
166	Lipid Classes and Fatty Acid Patterns are Altered in the Brain of Î³â€Synuclein Null Mutant Mice. Lipids, 2011, 46, 121-130.	1.7	14
167	Modification of Oil Crops to Produce Fatty Acids for Industrial Applications. , 2017, , 187-236.		14
168	Characterization of Oil Palm Acyl-CoA-Binding Proteins and Correlation of Their Gene Expression with Oil Synthesis. Plant and Cell Physiology, 2020, 61, 735-747.	3.1	14
169	Lipid Synthesis. , 1991, , 57-94.		14
170	Alterations in lipid metabolism caused by illumination of the marine red algae Chondrus crispus and Polysiphonia lanosa. Phytochemistry, 1989, 28, 3295-3300.	2.9	13
171	Interferon-Î³-Stimulated Uptake and Turnover of Linoleate and Arachidonate in Macrophages: A Possible Pathway for Hypersensitivity to Endotoxin. Cellular Immunology, 1993, 152, 59-71.	3.0	13
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