John L Harwood

List of Publications by Year
in descending order

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	Transgenic manipulation of triacylglycerol biosynthetic enzymes in B. napus alters lipid-associated gene expression and lipid metabolism. Scientific Reports, 2022, 12, 3352.	3.3	1
2	Overexpression of phospholipid: diacylglycerol acyltransferase in Brassica napus results in changes in lipid metabolism and oil accumulation. Biochemical Journal, 2022, 479, 805-823.	3.7	9
3	Acyl-CoA:diacylglycerol acyltransferase: Properties, physiological roles, metabolic engineering and intentional control. Progress in Lipid Research, 2022, 88, 101181.	11.6	27
4	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
5	Working with Randy: The Diacylglycerol Acyltransferase Story. Lipids, 2020, 55, 419-423.	1.7	2
6	Oxidation of polyunsaturated fatty acids to produce lipid mediators. Essays in Biochemistry, 2020, 64, 401-421.	4.7	109
7	Increase in lysophosphatidate acyltransferase activity in oilseed rape (Brassica napus) increases seed triacylglycerol content despite its low intrinsic flux control coefficient. New Phytologist, 2019, 224, 700-711.	7.3	17
8	Algae: Critical Sources of Very Long-Chain Polyunsaturated Fatty Acids. Biomolecules, 2019, 9, 708.	4.0	92
9	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
10	The lipid biochemistry of eukaryotic algae. Progress in Lipid Research, 2019, 74, 31-68.	11.6	258
11	Hsp70 interactions with membrane lipids regulate cellular functions in health and disease. Progress in Lipid Research, 2019, 74, 18-30.	11.6	67
12	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
13	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
14	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
15	Spatial and Temporal Mapping of Key Lipid Species in Brassica napus Seeds. Plant Physiology, 2017, 173, 1998-2009.	4.8	72
16	Inspired by lipids: the Morton Lecture Award Presentation. Biochemical Society Transactions, 2017, 45, 297-302.	3.4	0
17	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
18	Modification of Oil Crops to Produce Fatty Acids for Industrial Applications. , 2017, , 187-236.		14

#	Article	IF	Citations
19	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
20	Lipids: From Chemical Structures, Biosynthesis, and Analyses to Industrial Applications. Sub-Cellular Biochemistry, 2016, 86, 1-18.	2.4	28
21	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
22	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
23	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
24	Research with a purpose. Inform, 2016, 27, 28-31.	0.1	1
25	InspirÃ© par les lipides (MÃ©daille Chevreul 2014). OCL - Oilseeds and Fats, Crops and Lipids, 2015, 22, A202.	1.4	0
26	Acylâ€Trafficking During Plant Oil Accumulation. Lipids, 2015, 50, 1057-1068.	1.7	52
27	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
28	Tailoring lipid synthesis in oil crops. Inform, 2015, 26, 78-83.	0.1	5
29	Protective Role for Properdin in Progression of Experimental Murine Atherosclerosis. PLoS ONE, 2014, 9, e92404.	2.5	18
30	Inspired by lipids (the Chevreul Award Lecture 2014). European Journal of Lipid Science and Technology, 2014, 116, 1259-1267.	1.5	2
31	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
32	Informed metabolic engineering of oil crops using control analysis. Biocatalysis and Agricultural Biotechnology, 2014, 3, 49-52.	3.1	6
33	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
34	Biochemistry of high stearic sunflower, a new source of saturated fats. Progress in Lipid Research, 2014, 55, 30-42.	11.6	31
35	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
36	Increasing seed oil content in Brassica species through breeding and biotechnology. Lipid Technology, 2013, 25, 182-185.	0.3	35

#	Article	IF	Citations
37	Regulation of lipid synthesis in oil crops. FEBS Letters, 2013, 587, 2079-2081.	2.8	20
38	Algal Lipids and Their Metabolism. , 2013, , 17-36.		42
39	Key role of lipids in heat stress management. FEBS Letters, 2013, 587, 1970-1980.	2.8	137
40	Lipid Metabolism in Olive: Biosynthesis of Triacylglycerols and Aroma Components. , 2013, , 97-127.		8
41	Conserved valproic-acid-induced lipid droplet formation in Dictyostelium and human hepatocytes identifies structurally active compounds. DMM Disease Models and Mechanisms, 2012, 5, 231-240.	2.4	16
42	Metabolic control analysis of developing oilseed rape (Brassica napus cv Westar) embryos shows that lipid assembly exerts significant control over oil accumulation. New Phytologist, 2012, 196, 414-426.	7.3	43
43	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
44	Heat shock response in photosynthetic organisms: Membrane and lipid connections. Progress in Lipid Research, 2012, 51, 208-220.	11.6	134
45	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
46	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
47	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
48	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
49	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
50	Eicosapentaenoic Acid and Docosahexaenoic Acid Regulate Modified LDL Uptake and Macropinocytosis in Human Macrophages. Lipids, 2011, 46, 1053-1061.	1.7	30
51	Heat Stress Causes Spatially-Distinct Membrane Re-Modelling in K562 Leukemia Cells. PLoS ONE, 2011, 6, e21182.	2.5	59
52	Characterization and partial purification of acyl-CoA:glycerol 3-phosphate acyltransferase from sunflower (Helianthus annuus L.) developing seeds. Plant Physiology and Biochemistry, 2010, 48, 73-80.	5.8	13
53	The action of herbicides on fatty acid biosynthesis and elongation in barley and cucumber. Pest Management Science, 2010, 66, 794-800.	3.4	29
54	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

#	Article	IF	Citations
55	Changes in virgin olive oil characteristics during different storage conditions. European Journal of Lipid Science and Technology, 2010, 112, 906-914.	1.5	57
56	Increasing the flow of carbon into seed oil. Biotechnology Advances, 2009, 27, 866-878.	11.7	256
57	Modification of Palm Oil for Antiâ€inflammatory Nutraceutical Properties. Lipids, 2009, 44, 581-592.	1.7	9
58	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
59	The Microaerophilic Flagellate, Trichomonas vaginalis, Contains Unusual Acyl Lipids but no Detectable Cardiolipin. Journal of Eukaryotic Microbiology, 2009, 56, 52-57.	1.7	15
60	Use of metabolic control analysis to give quantitative information on control of lipid biosynthesis in the important oil crop, Elaeis guineensis (oilpalm). New Phytologist, 2009, 184, 330-339.	7.3	38
61	Algal lipids and effect of the environment on their biochemistry. , 2009, , 1-24.		144
62	Olive Oil Qualitative Parameters after Orchard Irrigation with Saline Water. Journal of Agricultural and Food Chemistry, 2009, 57, 1421-1425.	5.2	27
63	The versatility of algae and their lipid metabolism. Biochimie, 2009, 91, 679-684.	2.6	268
64	Molecular modification of triacylglycerol accumulation by over-expression ofDGAT1to 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
65	Effect of Irrigation on Quality Attributes of Olive Oil. Journal of Agricultural and Food Chemistry, 2009, 57, 7048-7055.	5.2	69
66	Molecular Strategies for Increasing Seed Oil Content. , 2009, , 3-17.		1
67	Characterisation of lipoxygenase isoforms from olive callus cultures. Phytochemistry, 2008, 69, 2532-2538.	2.9	12
68	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
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	Metabolic control analysis is helpful for informed genetic manipulation of oilseed rape (Brassica) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	4.8	171
71	Complex lipid biosynthesis and its manipulation in plants. , 2007, , 253-279.		9
72	Can the stress protein response be controlled by â€˜membrane-lipid therapyâ€™?. Trends in Biochemical Sciences, 2007, 32, 357-363.	7.5	119

#	Article	IF	Citations
73	Temperature Stress. Annals of the New York Academy of Sciences, 2007, 1113, 52-57.	3.8	11
74	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
75	Mechanisms of temperature adaptation in poikilotherms. FEBS Letters, 2006, 580, 5477-5483.	2.8	163
76	Lipids and lipid metabolism in eukaryotic algae. Progress in Lipid Research, 2006, 45, 160-186.	11.6	843
77	Effects of n-3 fatty acids on cartilage metabolism. Proceedings of the Nutrition Society, 2006, 65, 434.	1.0	1
78	Lead and copper effects on lipid metabolism in cultured lichen photobionts with different phosphorus status. Phytochemistry, 2006, 67, 1731-1739.	2.9	36
79	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
80	Preferential Ï€â€“Ï€ 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
81	Analogues of Thiolactomycin as Potential Antimalarial Agents. Journal of Medicinal Chemistry, 2005, 48, 5932-5941.	6.4	95
82	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
83	The activities of monocyte lysophosphatidylcholine acyltransferase and coenzyme A-independent transacylase are changed by the inflammatory cytokines tumor necrosis factor alpha and interferon gamma. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2005, 1733, 232-238.	2.4	7
84	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
85	Biological basis for the benefit of nutraceutical supplementation in arthritis. Drug Discovery Today, 2004, 9, 165-172.	6.4	79
86	Simultaneous permeation of tamoxifen and Î³ linolenic acid across excised human skin. Further evidence of the permeation of solvated complexes. International Journal of Pharmaceutics, 2004, 271, 305-309.	5.2	12
87	Analogues of thiolactomycin as potential anti-malarial and anti-trypanosomal agents. Bioorganic and Medicinal Chemistry, 2004, 12, 683-692.	3.0	77
88	Î²-Ketoacyl-acyl carrier protein synthaseÂIII from pea (Pisum sativum L.): properties, inhibition by a novel thiolactomycin analogue and isolation of a cDNA clone encoding the enzyme. Planta, 2003, 216, 752-761.	3.2	11
89	Use of plant cell cultures to study graminicide effects on lipid metabolism. Phytochemistry, 2003, 63, 533-541.	2.9	8
90	Lipid metabolism in cultured lichen photobionts with different phosphorus status. Phytochemistry, 2003, 64, 209-217.	2.9	30

#	Article	IF	Citations
91	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
92	Acylation of lysophosphatidylcholine plays a key role in the response of monocytes to lipopolysaccharide. FEBS Journal, 2003, 270, 2782-2788.	0.2	19
93	Effect of culture conditions on the lipid composition of Phytophthora infestans. New Phytologist, 2003, 158, 337-344.	7.3	19
94	A mandelamide pesticide alters lipid metabolism in Phytophthora infestans. New Phytologist, 2003, 158, 345-353.	7.3	52
95	Lipid composition of Botrytis cinerea and inhibition of its radiolabelling by the fungicide iprodione. New Phytologist, 2003, 160, 199-207.	7.3	18
96	Glycolytic Breakdown of Sulfoquinovose in Bacteria: a Missing Link in the Sulfur Cycle. Applied and Environmental Microbiology, 2003, 69, 6434-6441.	3.1	54
97	Fatty acid elongation is important in the activity of thiocarbamate herbicides and in safening by dichlormid. Journal of Experimental Botany, 2003, 54, 1289-1294.	4.8	9
98	Graminicide insensitivity correlates with herbicide-binding co-operativity on acetyl-CoA carboxylase isoforms. Biochemical Journal, 2003, 375, 415-423.	3.7	13
99	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
100	Effects ofn-3 fatty acids on cartilage metabolism. Proceedings of the Nutrition Society, 2002, 61, 381-389.	1.0	53
101	Oxygen induction of a novel fatty acid nâ^'6 desaturase in the soil protozoon, Acanthamoeba castellanii. Biochemical Journal, 2002, 368, 57-67.	3.7	15
102	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
103	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
104	Biosynthesis of triacylglycerols and volatiles in olives. European Journal of Lipid Science and Technology, 2002, 104, 564-573.	1.5	130
105	Nutritional and health aspects of olive oil. European Journal of Lipid Science and Technology, 2002, 104, 685-697.	1.5	104
106	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
107	Lipid metabolism in the mossDicranum scoparium: effect of light conditions and heavy metals on the accumulation of acetylenic triacylglycerols. Physiologia Plantarum, 2002, 116, 441-450.	5.2	8
108	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

#	Article	IF	Citations
109	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
110	Lipoxygenase pathway in olive callus cultures (Olea europaea). Phytochemistry, 2000, 53, 13-19.	2.9	43
111	Purification and characterisation of acyl-CoA: glycerol 3-phosphate acyltransferase from oil palm (Elaeis guineensis) tissues. Planta, 2000, 210, 318-328.	3.2	22
112	n-3 Fatty Acids Specifically Modulate Catabolic Factors Involved in Articular Cartilage Degradation. Journal of Biological Chemistry, 2000, 275, 721-724.	3.4	227
113	Biochemistry of lipid metabolism in olive and other oil fruits. Progress in Lipid Research, 2000, 39, 151-180.	11.6	148
114	Lipid Biosynthesis in Olives. , 2000, , 61-77.		5
115	Novel inhibitors of the condensing enzymes of the Type II fatty acid synthase of pea (Pisum sativum). Biochemical Journal, 2000, 347, 205.	3.7	11
116	Changes in Kennedy pathway intermediates associated with increased triacylglycerol synthesis in oil-seed rape. Phytochemistry, 1999, 52, 799-804.	2.9	74
117	Lipoxygenase activity in olive (Olea europaea) fruit. JAOCS, Journal of the American Oil Chemists' Society, 1999, 76, 1163-1168.	1.9	82
118	Identification and characterization of a recombinant metallothionein protein from a marine alga, Fucus vesiculosus. Biochemical Journal, 1999, 338, 553-560.	3.7	96
119	Re-evaluation of plant sulpholipid labelling from UDP-[14C]glucose in pea chloroplasts. Biochemical Journal, 1999, 344, 185-187.	3.7	7
120	Identification and characterization of a recombinant metallothionein protein from a marine alga, Fucus vesiculosus. Biochemical Journal, 1999, 338, 553.	3.7	42
121	Re-evaluation of plant sulpholipid labelling from UDP-[14C]glucose in pea chloroplasts. Biochemical Journal, 1999, 344, 185.	3.7	4
122	Isolation, characterisation and expression of a cDNA for pea cholinephosphate cytidylyltransferase. Plant Molecular Biology, 1998, 37, 179-185.	3.9	11
123	Membranes in Stress and Adaptation. Annals of the New York Academy of Sciences, 1998, 851, 162-168.	3.8	6
124	Characterization of fatty acid elongase enzymes from germinating pea seeds. Phytochemistry, 1998, 48, 1295-1304.	2.9	18
125	The effect of dimethoate on lipid biosynthesis in olive (Olea europaea) callus cultures. Phytochemistry, 1998, 47, 735-741.	2.9	5
126	Analysis of volatiles from callus cultures of olive Olea europaea. Phytochemistry, 1998, 47, 1253-1259.	2.9	44

#	Article	IF	Citations
127	Effects of pebulate and pebulate sulphoxide on very long chain fatty acid biosynthesis. Phytochemistry, 1998, 48, 441-446.	2.9	10
128	Naphthalic anhydride prevents inhibition of fatty acid elongation by thiocarbamates. Phytochemistry, 1998, 49, 1897-1903.	2.9	5
129	Lipids in Seville. Trends in Plant Science, 1998, 3, 369-370.	8.8	0
130	Oxygen induces fatty acid (n-6)-desaturation independently of temperature inAcanthamoeba castellanii. FEBS Letters, 1998, 425, 171-174.	2.8	16
131	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
132	Biochemical studies of oil biosynthesis in olive (Olea europea) and oil palm (Elaeis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 T	3.4	5
133	Characteristics of wheat seed lipase. Biochemical Society Transactions, 1998, 26, S152-S152.	3.4	2
134	Genetic mechanisms involved in the adaptation of marine algae to heavy metal pollution. Biochemical Society Transactions, 1998, 26, S153-S153.	3.4	0
135	Reaction products of the lipoxygenase pathway in olive tissue cultures. Biochemical Society Transactions, 1998, 26, S154-S154.	3.4	3
136	The effects of Iprodione on the lipid metabolism of Botrytis cinerea. Biochemical Society Transactions, 1998, 26, S155-S155.	3.4	2
137	Membrane Lipids in Algae. , 1998, , 53-64.		36
138	Involvement of Chloroplast Lipids in the Reaction of Plants Submitted to Stress. , 1998, , 287-302.		17
139	The effects of inflammatory cytokines on acyl coenzymeA-dependent acyltransferase. Biochemical Society Transactions, 1997, 25, 496S-496S.	3.4	2
140	Association of surfactant deficiency with alveolar bronchiolitis. Biochemical Society Transactions, 1997, 25, 498S-498S.	3.4	0
141	Effect of drought on volatile production by the lipoxygenase pathway in olive fruit. Biochemical Society Transactions, 1997, 25, 499S-499S.	3.4	3
142	Plant Lipid Metabolism. , 1997, , 237-272.		35
143	Graminicide-binding by acetyl-CoA carboxylase from Poa annua leaves. Phytochemistry, 1997, 44, 399-405.	2.9	4
144	Effects of carbon dioxide concentration and temperature on lipid synthesis by young wheat leaves. Phytochemistry, 1997, 45, 243-250.	2.9	5

#	Article	IF	Citations
145	Glycerolipid synthesis by microsomal fractions from Olea europaea fruits and tissue cultures. Phytochemistry, 1997, 46, 265-272.	2.9	16
146	Glycerolipid synthesis by microsomal fractions from fruits and tissue cultures of olives. Phytochemistry, 1997, 46, 855-862.	2.9	6
147	Acetyl-CoA Carboxylase-a Graminicide Target Site. Pest Management Science, 1997, 50, 67-71.	0.4	41
148	Recent advances in the biosynthesis of plant fatty acids. Lipids and Lipid Metabolism, 1996, 1301, 7-56.	2.6	431
149	Kinetic studies on two isoforms of acetyl-CoA carboxylase from maize leaves. Biochemical Journal, 1996, 318, 997-1006.	3.7	53
150	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
151	Effect of thiolactomycin on fatty acid synthesis in peas. Phytochemistry, 1995, 39, 511-514.	2.9	5
152	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
153	Recent Environmental Concerns and Lipid Metabolism. , 1995, , 361-368.		12
154	Synthesis of Phospholipids by Human Peritoneal Mesothelial Cells. Peritoneal Dialysis International, 1994, 14, 348-355.	2.3	48
155	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
156	Acetyl-CoA carboxylase exerts strong flux control over lipid synthesis in plants. Lipids and Lipid Metabolism, 1994, 1210, 369-372.	2.6	83
157	Environmental factors which can alter lipid metabolism. Progress in Lipid Research, 1994, 33, 193-202.	11.6	46
158	Thiocarbamates and surface lipid synthesis. Biochemical Society Transactions, 1994, 22, 621-624.	3.4	7
159	Growth-dependent changes of Î”12-desaturase activity and unsaturation of membrane fatty acids in Acanthamoeba castellanii. Biochemical Society Transactions, 1994, 22, 200S-200S.	3.4	1
160	Regulation of sulpholipid biosynthesis. Biochemical Society Transactions, 1994, 22, 201S-201S.	3.4	0
161	The carbon flux to triacylglycerol in maturing oilseed rape embryos. Biochemical Society Transactions, 1994, 22, 203S-203S.	3.4	5
162	The Effects of Pesticides on Lipid Synthesis in Olive Fruits and Tissue Cultures. Biochemical Society Transactions, 1994, 22, 259S-259S.	3.4	0

#	Article	IF	Citations
163	Characteristics of two forms of acetyl-CoA carboxylase from maize leaves. Biochemical Society Transactions, 1994, 22, 261S-261S.	3.4	9
164	The effect of thiolactomycin on fatty acid synthesis in peas (Pisum sativum, cv Onward). Biochemical Society Transactions, 1994, 22, 202S-202S.	3.4	3
165	Plant fatty acid elongation: sensitivity to thiocarbamate herbicides and their sulphoxides. Biochemical Society Transactions, 1994, 22, 260S-260S.	3.4	1
166	Mechanism of glutamate semialdehyde aminotransferase probed with substrate analogues. , 1994, , 105-109.		0
167	Changes in the lipid content of developing seeds of Brassica napus. Phytochemistry, 1993, 32, 1411-1415.	2.9	83
168	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
169	Lipids and lipid metabolism in the marine alga Enteromorpha intestinalis. Phytochemistry, 1993, 34, 969-972.	2.9	10
170	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
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
172	Lipid Metabolism in the Brown Marine AlgaeFucus vesiculosusandAscophyllum nodosum. Journal of Experimental Botany, 1993, 44, 1203-1210.	4.8	39
173	Use of olive cultures to evaluate triacylglycerol synthesis. Biochemical Society Transactions, 1993, 21, 181S-181S.	3.4	0
174	Influence of alterations in environmental CO2 and temperature on wheat grain lipids. Biochemical Society Transactions, 1993, 21, 182S-182S.	3.4	2
175	Differential sensitivity of lipid metabolism in monocotyledons to grass-specific herbicides. Biochemical Society Transactions, 1993, 21, 183S-183S.	3.4	1
176	Degradation of human and rat surfactant apoprotein by neutrophil elastase and cathepsin G. Biochemical Society Transactions, 1993, 21, 206S-206S.	3.4	3
177	The inhibition of fatty acid elongation by a thiocarbamate herbicide and its sulphoxide. Biochemical Society Transactions, 1993, 21, 184S-184S.	3.4	1
178	Glycerol 3-phosphate acylation by microsomal fractions from avocado mesocarp. Biochemical Society Transactions, 1992, 20, 169S-169S.	3.4	2
179	Triacylglycerol synthesis by microsomal fractions from olive cultures. Biochemical Society Transactions, 1992, 20, 171S-171S.	3.4	0
180	Understanding liposomal properties to aid their clinical usage. Trends in Biochemical Sciences, 1992, 17, 203-204.	7.5	6

#	Article	IF	Citations
181	Fatty Acid Synthesis in Soluble Fractions from Olive (Olea europaea) Fruits. Journal of Plant Physiology, 1992, 140, 402-408.	3.5	12
182	Diflufenican, a carotenogenesis inhibitor, also reduces acyl lipid synthesis. Pesticide Biochemistry and Physiology, 1992, 43, 14-21.	3.6	9
183	Glycerolipid biosynthesis by microsomal fractions from olive fruits. Phytochemistry, 1992, 31, 129-134.	2.9	16
184	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
185	Lipid composition of the brown algae fucus vesiculosus and Ascophyllum nodosum. Phytochemistry, 1992, 31, 3397-3403.	2.9	55
186	Lipid composition of subcellular membranes from larvae and prepupae ofDrosophila melanogaster. Lipids, 1992, 27, 984-987.	1.7	61
187	Strategies for coping with low environmental temperatures. Trends in Biochemical Sciences, 1991, 16, 126-127.	7.5	19
188	Direct identification and quantification of the cofactor in glutamate semialdehyde aminotransferase from pea leaves. FEBS Letters, 1991, 283, 4-6.	2.8	16
189	A plant metallothionein produced inE. coli. FEBS Letters, 1991, 295, 171-175.	2.8	82
190	Effect of a Safener Towards Thiocarbamates on Plant Lipid Metabolism. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1991, 46, 931-933.	1.4	2
191	Lipid metabolism during seed development in oilseed rape (Brassica napus L. cv. Shiralee). Biochemical Society Transactions, 1991, 19, 243S-243S.	3.4	2
192	Temperature-induced Changes in the Synthesis of Unsaturated Fatty Acids byAcanthamoeba castellanii. Journal of Protozoology, 1991, 38, 532-536.	0.8	22
193	Conditions for the assay of glutamate semialdehyde aminotransferase that overcome the problem of substrate instability. Analytical Biochemistry, 1991, 198, 43-46.	2.4	19
194	Interaction of thiocarbamate herbicides with fatty acid synthesis in germinating peas and their microsomal fractions. Phytochemistry, 1991, 30, 2883-2887.	2.9	16
195	The regulation of triacylglycerol biosynthesis in cocoa (Theobroma cacao) L.. Planta, 1991, 184, 279-284.	3.2	38
196	Lipid Synthesis. , 1991, , 57-94.		14
197	The regulation of triacylglycerol biosynthesis in cocoa (Theobroma cacao) L.. Planta, 1991, 184, 279-284.	3.2	26
198	Effect of growth temperature on fatty acid biosynthesis in Acanthamoeba castellanii. Biochemical Society Transactions, 1990, 18, 627-627.	3.4	3

#	Article	IF	Citations
199	Lipid biochemistry of tissue cultures of oil-seed rape. Biochemical Society Transactions, 1990, 18, 655-656.	3.4	0
200	A new class of herbicide which inhibits acetyl-CoA carboxylase in sensitive plant species. Phytochemistry, 1990, 29, 3743-3747.	2.9	8
201	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
202	Evaluation of inhibitors of lipolytic enzymes. Trends in Biochemical Sciences, 1990, 15, 409-410.	7.5	3
203	Enzymes of Fatty Acid Synthesis. Methods in Plant Biochemistry, 1990, , 193-217.	0.2	7
204	Lipid Metabolism in Algae. Advances in Botanical Research, 1989, 16, 1-53.	1.1	133
205	Acyl lipid metabolism in the oleaginous yeastRhodotorula gracilis (CBS 3043). Lipids, 1989, 24, 715-720.	1.7	22
206	Lipids of the marine red algae, Chondrus crispus and Polysiphonia lanosa. Phytochemistry, 1989, 28, 399-405.	2.9	50
207	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
208	Lipid metabolism in the red marine algae Chondrus crispus and Polysiphonia lanosa as modified by temperature. Phytochemistry, 1989, 28, 2053-2058.	2.9	27
209	Trans-bilayer lipid interactions. Trends in Biochemical Sciences, 1989, 14, 2-4.	7.5	8
210	Lipid metabolism in plants. Critical Reviews in Plant Sciences, 1989, 8, 1-43.	5.7	58
211	Solubilization and studies of cereal lipases. Biochemical Society Transactions, 1989, 17, 687-688.	3.4	6
212	Fat synthesis in cacao (Theobroma cacao). Biochemical Society Transactions, 1989, 17, 688-689.	3.4	4
213	Changes in fatty acid synthesis during temperature adaptation in Rhodobacter sphaeroides. Biochemical Society Transactions, 1989, 17, 689-690.	3.4	0
214	Electron paramagnetic resonance studies of copper phaeophytin a in the presence and absence of phosphoglycerides. Journal of Inorganic Biochemistry, 1988, 32, 125-133.	3.5	3
215	Permeability of liposomes composed of binary mixtures of monogalactosyldiacylglycerol and digalactosyldiacylglycerol. Biochimica Et Biophysica Acta - Biomembranes, 1988, 939, 430-440.	2.6	11
216	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

#	Article	IF	Citations
217	Effects of heavy metals on lipid metabolism in marine algae. Biochemical Society Transactions, 1988, 16, 275-276.	3.4	2
218	Surfactant metabolism: the role of specific apoproteins. Biochemical Society Transactions, 1988, 16, 276-276.	3.4	0
219	Inhibition of fatty acid synthesis in plants by a selective herbicide, fluazifop. Biochemical Society Transactions, 1988, 16, 277-278.	3.4	1
220	[44] Phosphoglycerides of mitochondrial membranes. Methods in Enzymology, 1987, , 475-485.	1.0	15
221	Pulmonary surfactant biosynthesis: studies in vivo and in vitro. Biochemical Society Transactions, 1987, 15, 480-481.	3.4	1
222	Comparative aspects of lipid metabolism in marine algae. Biochemical Society Transactions, 1987, 15, 482-483.	3.4	9
223	Lipid Metabolism in Two Species of Red Marine Algae as Modified by Environmental Factors. , 1987, , 657-660.		0
224	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
225	The Control of CTP: Cholinephosphate Cytidylyltransferase in Pea Stems. , 1987, , 333-336.		1
226	Lipid characterization and metabolism in two red marine algae. Biochemical Society Transactions, 1986, 14, 148-149.	3.4	11
227	The control of CTP: cholinephosphate cytidylyltransferase activity in pea (Pisum sativum L.) stems. Biochemical Society Transactions, 1986, 14, 710-711.	3.4	1
228	Changes in the lipid composition of developing wheat seeds. Phytochemistry, 1986, 25, 811-815.	2.9	11
229	Changes in CTP:cholinephosphate cytidylyltransferase protein levels in pea stems treated with indole-3-acetic acid. Phytochemistry, 1986, 26, 81-83.	2.9	2
230	The subcellular localisation of absorbed copper in Fucus. Physiologia Plantarum, 1986, 66, 692-698.	5.2	27
231	Pulmonary surfactant: its isolation, characterization and function. Biochemical Society Transactions, 1985, 13, 1079-1081.	3.4	11
232	Purification and properties of CTP:cholinephosphate cytidylyltransferase from pea (<i>Pisum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	3.4	4
233	Three separate elongation enzymes for very-long-chain fatty acid synthesis in potato. Biochemical Society Transactions, 1985, 13, 1244-1245.	3.4	0
234	Purification of ctp: cholinephosphate cytidylyl-transferase from pea stems. Phytochemistry, 1985, 24, 2523-2527.	2.9	17

#	Article	IF	Citations
235	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
236	Changes in Endogenous Fatty Acids and Lipid Synthesis Associated with Copper Pollution inFucusspp. Journal of Experimental Botany, 1985, 36, 663-669.	4.8	24
237	Lipid Metabolism inFucus serratusas Modified by Environmental Factors. Journal of Experimental Botany, 1984, 35, 1359-1368.	4.8	18
238	Lipids and lipid metabolism in the brown alga, Fucus serratus. Phytochemistry, 1984, 23, 2469-2473.	2.9	55
239	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
240	Biosynthesis. , 1984, , 71-117.		2
241	Fatty acid metabolism by a particulate fraction from germinating peas. Phytochemistry, 1983, 22, 849-854.	2.9	6
242	The effect of indoleacetic acid on phospholipid metabolism in pea stems. Phytochemistry, 1983, 22, 2421-2425.	2.9	15
243	The Effects of Intratracheally-Administered Imipramine on the Rat Lung. Drug and Chemical Toxicology, 1983, 6, 117-134.	2.3	3
244	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
245	Metabolic Effects on the Lung, Liver and Brain Following Ingestion of Imipramine and Chlorpromazine by the Rat. Drug and Chemical Toxicology, 1983, 6, 135-153.	2.3	5
246	Adaptive changes in the lipids of higher-plant membranes. Biochemical Society Transactions, 1983, 11, 343-346.	3.4	24
247	The effect of trace metals on lipid metabolism in the brown alga Fucus serratus. Biochemical Society Transactions, 1983, 11, 394-395.	3.4	15
248	Studies on the function of chloroplast acyl lipids. Biochemical Society Transactions, 1982, 10, 247-248.	3.4	0
249	Effects of indole-3-acetic acid on phosphatidylcholine metabolism in pea (Pisum sativum L.) stems. Biochemical Society Transactions, 1982, 10, 248-249.	3.4	1
250	Investigation of the transmembrane distribution of thylakoid lipids. Biochemical Society Transactions, 1982, 10, 249-250.	3.4	10
251	The role of Coenzyme A in lipid synthesis by a particulate fraction from germinating peas. Phytochemistry, 1982, 21, 1931-1934.	2.9	8
252	Phospholipid metabolism in the brown alga, Fucus serratus. Phytochemistry, 1982, 21, 569-573.	2.9	49

#	Article	IF	Citations
253	Leaf senescence in a non-yellowing mutant of Festuca pratensis. Planta, 1982, 156, 152-157.	3.2	53
254	Effect of a substituted pyridazinone, compound BASF 13â€“338 on membrane lipid synthesis in photosynthetic tissues. Biochemical Society Transactions, 1980, 8, 119-120.	3.4	12
255	Fatty acid elongation by the microsomal fraction from germinating pea (Pisum sativum L.). Biochemical Society Transactions, 1980, 8, 120-121.	3.4	0
256	Lipid metabolism in developing wheat (Triticum aestivum) seeds. Biochemical Society Transactions, 1980, 8, 533-533.	3.4	1
257	Inhibition of fatty acid biosynthesis by metronidazole. Biochemical Society Transactions, 1980, 8, 535-536.	3.4	1
258	Metabolism of lipids during chloroplast differentiation in barley (Hordeum vulgare). Biochemical Society Transactions, 1980, 8, 534-534.	3.4	1
259	Properties of acyl hydrolase enzymes from Phaseolus multiflorus leaves. Phytochemistry, 1980, 19, 2281-2285.	2.9	22
260	The Plant Sulpholipidâ€”a Major Component of the Sulphur Cycle. Biochemical Society Transactions, 1979, 7, 440-447.	3.4	104
261	Purification of acyl hydrolase enzymes from the leaves of Phaseolus multiflorus. Phytochemistry, 1979, 18, 1793-1797.	2.9	24
262	Radiolabelling studies of fatty acids in pisum sativum and Vicia faba leaves at different temperatures. Phytochemistry, 1979, 18, 1811-1814.	2.9	11
263	Lipid metabolism in germinating seeds. Lipids and Lipid Metabolism, 1979, 575, 102-111.	2.6	27
264	Î±-hydroxylation of newly synthesised fatty acids by a soluble fraction from germinating pea. Lipids and Lipid Metabolism, 1979, 573, 218-221.	2.6	8
265	The synthesis of acyl lipids in plant tissues. Progress in Lipid Research, 1979, 18, 55-86.	11.6	66
266	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
267	Lipid metabolism in green leaves of developing monocotyledons. Planta, 1978, 139, 267-272.	3.2	29
268	Changes in Fatty Acid Synthesis during Leaf Development. Biochemical Society Transactions, 1978, 6, 598-600.	3.4	0
269	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
270	Fatty Acid Elongation by Preparations from Pisum sativum. Biochemical Society Transactions, 1977, 5, 287-289.	3.4	3

#	Article	IF	Citations
271	Catabolism of Sulpholipid by an Enzyme from the Leaves of Phaseolus multiflorus. Biochemical Society Transactions, 1977, 5, 1302-1304.	3.4	18
272	The Utilization of [3H]Leucine and [14C]Hexadecanoic Acid by the Isolated Perfused Rabbit Lung for Biosynthesis of Radiolabelled Pulmonary Surfactant. Biochemical Society Transactions, 1977, 5, 1310-1312.	3.4	1
273	Glycolipids of Fungi and Plants. Biochemical Society Transactions, 1977, 5, 1677-1682.	3.4	3
274	Current Problems in the Synthesis of Leaf Acyl Lipids. Biochemical Society Transactions, 1977, 5, 1259-1263.	3.4	5
275	Fatty acid biosynthesis by a particulate preparation from germinating pea. Biochemical Journal, 1977, 168, 261-269.	3.1	61
276	Some characteristics of soluble fatty acid synthesis in germinating pea seeds. Lipids and Lipid Metabolism, 1977, 489, 15-24.	2.6	17
277	Catabolism of sulphoquinovosyl diacylglycerol by an enzyme preparation from Phaseolus multiflorus. Phytochemistry, 1977, 16, 651-654.	2.9	21
278	Plant acyl lipids: evolutionary curiosities or functional constituents?. Trends in Biochemical Sciences, 1976, 1, 253-256.	7.5	3
279	BIOSYNTHESIS OF SMALL MOLECULES IN CHLOROPLASTS OF HIGHER PLANTS. Biological Reviews, 1976, 51, 365-405.	10.4	33
280	Biosynthesis of Phosphatidylcholine and Phosphatidylethanolamine by Germinating Soya Bean. Biochemical Society Transactions, 1976, 4, 50-52.	3.4	5
281	Fatty acid synthesis in aged potato slices. Phytochemistry, 1976, 15, 1501-1506.	2.9	15
282	Effect of thiocarbamate herbicides on fatty acid synthesis by potato. Phytochemistry, 1976, 15, 1507-1509.	2.9	33
283	Synthesis of molecular species of phosphatidylcholine and phosphatidylethanolamine by germinating soya bean. Phytochemistry, 1976, 15, 1459-1463.	2.9	41
284	Metabolism of trans-3-Hexadecenoic Acid in Broad Bean. FEBS Journal, 1975, 50, 325-334.	0.2	39
285	Lipid synthesis by germinating soya bean. Phytochemistry, 1975, 14, 1985-1990.	2.9	45
286	Synthesis of sulphoquinovosyl diacylglycerol by higher plants. Lipids and Lipid Metabolism, 1975, 398, 224-230.	2.6	28
287	The action of protamine on clearing factor lipase and on plasma triglyceride metabolism. Lipids and Lipid Metabolism, 1974, 337, 225-238.	2.6	14
288	t-3-Hexadecenoic Acid in Broad Bean. Biochemical Society Transactions, 1974, 2, 1089-1091.	3.4	0