

# Randall J Weselake

## List of Publications by Year in descending order

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130  
papers

5,535  
citations

81743

39  
h-index

91712

69  
g-index

133  
all docs

133  
docs citations

133  
times ranked

4383  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biotechnological approaches for the production of polyhydroxyalkanoates in microorganisms and plants â€” A review. <i>Biotechnology Advances</i> , 2007, 25, 148-175.	6.0	383
2	Diacylglycerol acyltransferase: A key mediator of plant triacylglycerol synthesis. <i>Lipids</i> , 2006, 41, 1073-1088.	0.7	290
3	Acyl-CoA:diacylglycerol acyltransferase: Molecular biology, biochemistry and biotechnology. <i>Progress in Lipid Research</i> , 2012, 51, 350-377.	5.3	288
4	Increasing the flow of carbon into seed oil. <i>Biotechnology Advances</i> , 2009, 27, 866-878.	6.0	256
5	Metabolic control analysis is helpful for informed genetic manipulation of oilseed rape ( <i>Brassica</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 2.4 171	2.4	171
6	Metabolic Interactions between the Lands Cycle and the Kennedy Pathway of Glycerolipid Synthesis in <i>Arabidopsis</i> Developing Seeds. <i>Plant Cell</i> , 2012, 24, 4652-4669.	3.1	139
7	Molecular modification of triacylglycerol accumulation by over-expression of <i>DGAT1</i> to produce canola with increased seed oil content under field conditions This paper is one of a selection of papers published in a Special Issue from the National Research Council of Canada â€” Plant Biotechnology Institute.. <i>Botany</i> , 2009, 87, 533-543.	0.5	126
8	An Endogenous Î±-Amylase Inhibitor in Barley Kernels. <i>Plant Physiology</i> , 1983, 72, 809-812.	2.3	117
9	Fatty Acid Composition of Developing Sea Buckthorn ( <i>Hippophae rhamnoides</i> L.) Berry and the Transcriptome of the Mature Seed. <i>PLoS ONE</i> , 2012, 7, e34099.	1.1	117
10	Plant Acyl-CoA:Lysophosphatidylcholine Acyltransferases (LPCATs) Have Different Specificities in Their Forward and Reverse Reactions. <i>Journal of Biological Chemistry</i> , 2013, 288, 36902-36914.	1.6	114
11	Site saturation mutagenesis: Methods and applications in protein engineering. <i>Biocatalysis and Agricultural Biotechnology</i> , 2012, 1, 181-189.	1.5	101
12	Abiotic factors influence plant storage lipid accumulation and composition. <i>Plant Science</i> , 2016, 243, 1-9.	1.7	99
13	Identification of a Pair of Phospholipid:Diacylglycerol Acyltransferases from Developing Flax ( <i>Linum</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 1.6 97 <i>Chemistry</i> , 2013, 288, 24173-24188.	1.6	97
14	Relationship of fatty acid composition to intramuscular fat content in beef from crossbred Wagyu cattle.. <i>Journal of Animal Science</i> , 1999, 77, 1717.	0.2	96
15	<i>Arabidopsis</i> GPAT9 contributes to synthesis of intracellular glycerolipids but not surface lipids. <i>Journal of Experimental Botany</i> , 2016, 67, 4627-4638.	2.4	89
16	<i>sn</i> -Glycerol-3-phosphate acyltransferases in plants. <i>Plant Signaling and Behavior</i> , 2011, 6, 1695-1699.	1.2	87
17	A survey of quantitative real-time polymerase chain reaction internal reference genes for expression studies in <i>Brassica napus</i> . <i>Analytical Biochemistry</i> , 2010, 405, 138-140.	1.1	85
18	Characterization of cDNAs encoding diacylglycerol acyltransferase from cultures of <i>Brassica napus</i> and sucrose-mediated induction of enzyme biosynthesis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2002, 1580, 95-109.	1.2	82

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19	A 10 kDa acyl-CoA-binding protein (ACBP) from <i>Brassica napus</i> enhances acyl exchange between acyl-CoA and phosphatidylcholine. <i>Plant Biotechnology Journal</i> , 2009, 7, 602-610.	4.1	82
20	Functional and Topological Analysis of Yeast Acyl-CoA:Diacylglycerol Acyltransferase 2, an Endoplasmic Reticulum Enzyme Essential for Triacylglycerol Biosynthesis. <i>Journal of Biological Chemistry</i> , 2011, 286, 13115-13126.	1.6	82
21	Conjugated linoleic acid-enriched beef production. <i>American Journal of Clinical Nutrition</i> , 2004, 79, 1207S-1211S.	2.2	80
22	Biology and Biochemistry of Plant Phospholipases. <i>Critical Reviews in Plant Sciences</i> , 2011, 30, 239-258.	2.7	78
23	Gene coexpression clusters and putative regulatory elements underlying seed storage reserve accumulation in <i>Arabidopsis</i> . <i>BMC Genomics</i> , 2011, 12, 286.	1.2	73
24	Properties and Biotechnological Applications of Acyl-CoA:diacylglycerol Acyltransferase and Phospholipid:diacylglycerol Acyltransferase from Terrestrial Plants and Microalgae. <i>Lipids</i> , 2018, 53, 663-688.	0.7	72
25	Purification and Characteristics of an Endogenous $\alpha$ -Amylase Inhibitor from Barley Kernels. <i>Plant Physiology</i> , 1983, 73, 1008-1012.	2.3	69
26	Simple Methods to Detect Triacylglycerol Biosynthesis in a Yeast-Based Recombinant System. <i>Lipids</i> , 2009, 44, 963-73.	0.7	66
27	Acyltransferase action in the modification of seed oil biosynthesis. <i>New Biotechnology</i> , 2009, 26, 11-16.	2.4	59
28	Phosphatidate phosphatases of mammals, yeast, and higher plants. <i>Lipids</i> , 1996, 31, 785-802.	0.7	56
29	Three Homologous Genes Encoding <i>sn</i> -Glycerol-3-Phosphate Acyltransferase 4 Exhibit Different Expression Patterns and Functional Divergence in <i>Brassica napus</i> . <i>Plant Physiology</i> , 2011, 155, 851-865.	2.3	55
30	Triacylglycerol Bioassembly in Microspore-Derived Embryos of <i>Brassica napus</i> L. cv Reston. <i>Plant Physiology</i> , 1991, 97, 65-79.	2.3	54
31	Directed evolution of acyl-CoA:diacylglycerol acyltransferase: Development and characterization of <i>Brassica napus</i> DGAT1 mutagenized libraries. <i>Plant Physiology and Biochemistry</i> , 2009, 47, 456-461.	2.8	53
32	Acyl-CoA-binding and self-associating properties of a recombinant 13.3 kDa N-terminal fragment of diacylglycerol acyltransferase-1 from oilseed rape. <i>BMC Biochemistry</i> , 2006, 7, 24.	4.4	52
33	Acyl Trafficking During Plant Oil Accumulation. <i>Lipids</i> , 2015, 50, 1057-1068.	0.7	52
34	Flax ( <i>Linum usitatissimum</i> L.). , 2016, , 157-194.		52
35	Engineering increased triacylglycerol accumulation in <i>Saccharomyces cerevisiae</i> using a modified type 1 plant diacylglycerol acyltransferase. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2243-2253.	1.7	50
36	A Small Phospholipase A2- $\alpha$ from Castor Catalyzes the Removal of Hydroxy Fatty Acids from Phosphatidylcholine in Transgenic <i>Arabidopsis</i> Seeds. <i>Plant Physiology</i> , 2015, 167, 1259-1270.	2.3	50

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37	Antisense suppression of type 1 diacylglycerol acyltransferase adversely affects plant development in <i>Brassica napus</i> . <i>Physiologia Plantarum</i> , 2009, 137, 61-71.	2.6	44
38	Properties of diacylglycerol acyltransferase from microspore-derived embryos of <i>Brassica napus</i> . <i>Phytochemistry</i> , 1991, 30, 3533-3538.	1.4	43
39	Lipins from plants are phosphatidate phosphatases that restore lipid synthesis in a <i>pah1<sup>Δ</sup></i> mutant strain of <i>Saccharomyces cerevisiae</i> . <i>FEBS Journal</i> , 2011, 278, 764-775.	2.2	43
40	Diacylglycerol Acyltransferase 1 Is Regulated by Its N-Terminal Domain in Response to Allosteric Effectors. <i>Plant Physiology</i> , 2017, 175, 667-680.	2.3	43
41	Genome-wide identification and analysis of the B3 superfamily of transcription factors in Brassicaceae and major crop plants. <i>Theoretical and Applied Genetics</i> , 2013, 126, 1305-1319.	1.8	42
42	Production of a <i>Brassica napus</i> Low-Molecular Mass Acyl-Coenzyme A-Binding Protein in <i>Arabidopsis</i> Alters the Acyl-Coenzyme A Pool and Acyl Composition of Oil in Seeds. <i>Plant Physiology</i> , 2014, 165, 550-560.	2.3	42
43	Storage lipid accumulation and acyltransferase action in developing flaxseed. <i>Lipids</i> , 2005, 40, 1043-1049.	0.7	41
44	Plant phospholipase A: advances in molecular biology, biochemistry, and cellular function. <i>Biomolecular Concepts</i> , 2013, 4, 527-532.	1.0	39
45	Heterologous expression of flax PHOSPHOLIPID:DIACYLGLYCEROL CHOLINEPHOSPHOTRANSFERASE (PDCT) increases polyunsaturated fatty acid content in yeast and <i>Arabidopsis</i> seeds. <i>BMC Biotechnology</i> , 2015, 15, 63.	1.7	39
46	Genome-Wide Analysis of PHOSPHOLIPID:DIACYLGLYCEROL ACYLTRANSFERASE ( <i>PDAT</i> ) Genes in Plants Reveals the Eudicot-Wide <i>PDAT</i> Gene Expansion and Altered Selective Pressures Acting on the Core Eudicot <i>PDAT</i> Paralogs. <i>Plant Physiology</i> , 2015, 167, 887-904.	2.3	39
47	<i>Transparent Testa16</i> Plays Multiple Roles in Plant Development and Is Involved in Lipid Synthesis and Embryo Development in Canola. <i>Plant Physiology</i> , 2012, 160, 978-989.	2.3	38
48	Substrate preferences of long-chain acyl-CoA synthetase and diacylglycerol acyltransferase contribute to enrichment of flax seed oil with $\omega$ -linolenic acid. <i>Biochemical Journal</i> , 2018, 475, 1473-1489.	1.7	36
49	Purification of human copper, zinc superoxide dismutase by copper chelate affinity chromatography. <i>Analytical Biochemistry</i> , 1986, 155, 193-197.	1.1	35
50	Increasing seed oil content in Brassica species through breeding and biotechnology. <i>Lipid Technology</i> , 2013, 25, 182-185.	0.3	35
51	High-performance variants of plant diacylglycerol acyltransferase 1 generated by directed evolution provide insights into structure function. <i>Plant Journal</i> , 2017, 92, 167-177.	2.8	35
52	An N-terminal fragment of mouse DGAT1 binds different acyl-CoAs with varying affinity. <i>Biochemical and Biophysical Research Communications</i> , 2008, 373, 350-354.	1.0	34
53	In Vivo and in Vitro Evidence for Biochemical Coupling of Reactions Catalyzed by Lysophosphatidylcholine Acyltransferase and Diacylglycerol Acyltransferase. <i>Journal of Biological Chemistry</i> , 2015, 290, 18068-18078.	1.6	34
54	Involvement of low molecular mass soluble acyl-CoA-binding protein in seed oil biosynthesis. <i>New Biotechnology</i> , 2011, 28, 97-109.	2.4	32

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55	Combined transgenic expression of <i>Punica granatum</i> conjugase (FADX) and FAD2 desaturase in high linoleic acid <i>Arabidopsis thaliana</i> mutant leads to increased accumulation of punicic acid. <i>Planta</i> , 2014, 240, 575-583.	1.6	32
56	Bioactivity and biotechnological production of punicic acid. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3537-3549.	1.7	32
57	Regulation and enhancement of lipid accumulation in oil crops: The use of metabolic control analysis for informed genetic manipulation. <i>European Journal of Lipid Science and Technology</i> , 2013, 115, 1239-1246.	1.0	30
58	<i>B</i> <i>rassica napus</i> <i>TT16</i> homologs with different genomic origins and expression levels encode proteins that regulate a broad range of endothelium-associated genes at the transcriptional level. <i>Plant Journal</i> , 2013, 74, 663-677.	2.8	29
59	Diacylglycerol acyltransferase 1 is activated by phosphatidate and inhibited by SnRK1-catalyzed phosphorylation. <i>Plant Journal</i> , 2018, 96, 287-299.	2.8	29
60	Hormone-sensitive lipase activity in relation to fat content of muscle in Wagyu hybrid cattle. <i>Livestock Science</i> , 2003, 79, 87-96.	1.2	28
61	Characterization of microsomal diacylglycerol acyltransferase activity from bovine adipose and muscle tissue. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2001, 130, 105-115.	0.7	27
62	Acyl-CoA:diacylglycerol acyltransferase: Properties, physiological roles, metabolic engineering and intentional control. <i>Progress in Lipid Research</i> , 2022, 88, 101181.	5.3	27
63	Factors enhancing diacylglycerol acyltransferase activity in microsomes from cell-suspension cultures of oilseed rape. <i>Lipids</i> , 1999, 34, 1143-1149.	0.7	25
64	Genetically Engineered Flax: Potential Benefits, Risks, Regulations, and Mitigation of Transgene Movement. <i>Crop Science</i> , 2009, 49, 1943-1954.	0.8	25
65	Plant <i>sn</i> -Glycerol-3-Phosphate Acyltransferases: Biocatalysts Involved in the Biosynthesis of Intracellular and Extracellular Lipids. <i>Lipids</i> , 2018, 53, 469-480.	0.7	25
66	Triacylglycerol biosynthesis and gene expression in microspore-derived cell suspension cultures of oilseed rape. <i>Journal of Experimental Botany</i> , 1998, 49, 33-39.	2.4	24
67	Cycloheptaamylose as an affinity ligand of cereal alpha amylase. Characteristics and a possible mechanism of the interaction. <i>Carbohydrate Research</i> , 1982, 108, 153-161.	1.1	23
68	Effect of CLA and Other C18 Unsaturated Fatty Acids on DGAT in Bovine Milk Fat Biosynthetic Systems. <i>Lipids</i> , 2008, 43, 903-912.	0.7	23
69	Purification and properties of recombinant <i>Brassica napus</i> diacylglycerol acyltransferase 1. <i>FEBS Letters</i> , 2015, 589, 773-778.	1.3	22
70	Multiple mechanisms contribute to increased neutral lipid accumulation in yeast producing recombinant variants of plant diacylglycerol acyltransferase 1. <i>Journal of Biological Chemistry</i> , 2017, 292, 17819-17831.	1.6	22
71	Glycerol-3-phosphate acyltransferase 4 is essential for the normal development of reproductive organs and the embryo in <i>Brassica napus</i> . <i>Journal of Experimental Botany</i> , 2014, 65, 4201-4215.	2.4	21
72	Positional distribution of CLA in TAG of lamb tissues. <i>Lipids</i> , 2002, 37, 605-611.	0.7	20

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73	A transferase interactome that may facilitate channeling of polyunsaturated fatty acid moieties from phosphatidylcholine to triacylglycerol. <i>Journal of Biological Chemistry</i> , 2019, 294, 14838-14844.	1.6	20
74	Properties of lysophosphatidylcholine acyltransferase from <i>Brassica napus</i> cultures. <i>Lipids</i> , 2003, 38, 651-656.	0.7	19
75	Role of Cysteine Residues in Thiol Modification of Acyl-CoA:Diacylglycerol Acyltransferase 2 from Yeast. <i>Biochemistry</i> , 2010, 49, 3237-3245.	1.2	18
76	Identification and characterization of an LCAT-like <i>Arabidopsis thaliana</i> gene encoding a novel phospholipase A. <i>FEBS Letters</i> , 2012, 586, 373-377.	1.3	18
77	Phosphatidate phosphatase from developing seeds and microspore-derived cultures of <i>Brassica napus</i> . <i>Phytochemistry</i> , 1996, 41, 353-363.	1.4	17
78	Engineering Oil Accumulation in Vegetative Tissue. , 2016, , 413-434.		17
79	Effect of endogenous barley $\alpha$ -amylase inhibitor on hydrolysis of starch under various conditions. <i>Journal of Cereal Science</i> , 1985, 3, 249-259.	1.8	16
80	Identification of N-ethylmaleimide-sensitive and -insensitive phosphatidate phosphatase activity in microspore-derived cultures of oilseed rape. <i>Plant Science</i> , 1998, 131, 139-147.	1.7	15
81	<i>Brassica</i> spp. Oils. , 2016, , 113-156.		15
82	Development and characterization of low $\alpha$ -linolenic acid <i>Brassica oleracea</i> lines bearing a novel mutation in a $\beta$ -class $\Delta^6$ FATTY ACID DESATURASE 3 gene. <i>BMC Genetics</i> , 2014, 15, 94.	2.7	14
83	Modification of Oil Crops to Produce Fatty Acids for Industrial Applications. , 2017, , 187-236.		14
84	Punicic acid production in <i>Brassica napus</i> . <i>Metabolic Engineering</i> , 2020, 62, 20-29.	3.6	14
85	Development of low-linolenic acid <i>Brassica oleracea</i> lines through seed mutagenesis and molecular characterization of mutants. <i>Theoretical and Applied Genetics</i> , 2013, 126, 1587-1598.	1.8	13
86	Metabolic engineering of <i>Schizosaccharomyces pombe</i> to produce punicic acid, a conjugated fatty acid with nutraceutical properties. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 7913-7922.	1.7	13
87	Engineering <i>Arabidopsis</i> long-chain acyl-CoA synthetase 9 variants with enhanced enzyme activity. <i>Biochemical Journal</i> , 2019, 476, 151-164.	1.7	13
88	Sucrose-induced changes in the transcriptome of cell suspension cultures of oilseed rape reveal genes associated with lipid biosynthesis. <i>Plant Physiology and Biochemistry</i> , 2002, 40, 719-725.	2.8	12
89	Castor patatin-like phospholipase A III <sup>2</sup> facilitates removal of hydroxy fatty acids from phosphatidylcholine in transgenic <i>Arabidopsis</i> seeds. <i>Plant Molecular Biology</i> , 2019, 101, 521-536.	2.0	12
90	Fractionation of Jerusalem artichoke phenolase by immobilized copper affinity chromatography. <i>Phytochemistry</i> , 1987, 26, 2905-2907.	1.4	11

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91	Lipid biosynthesis in cultures of oilseed rape. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2000, 36, 338-348.	0.9	11
92	Fatty acid composition of muscle fat and enzymes of storage lipid synthesis in whole muscle from beef cattle. <i>Lipids</i> , 2006, 41, 1049-1057.	0.7	11
93	Human acylation stimulating protein enhances triacylglycerol biosynthesis in plant microsomes. <i>FEBS Letters</i> , 2000, 481, 189-192.	1.3	10
94	Microspore-derived cell suspension cultures of oilseed rape as a system for studying gene expression. <i>Plant Cell, Tissue and Organ Culture</i> , 2008, 92, 131-139.	1.2	10
95	A Novel Assay of DGAT Activity Based on High Temperature GC/MS of Triacylglycerol. <i>Lipids</i> , 2014, 49, 831-838.	0.7	10
96	Engineering production of C18 conjugated fatty acids in developing seeds of oil crops. <i>Biocatalysis and Agricultural Biotechnology</i> , 2014, 3, 44-48.	1.5	10
97	Intrinsic disorder in the regulatory N-terminal domain of diacylglycerol acyltransferase 1 from <i>Brassica napus</i> . <i>Scientific Reports</i> , 2018, 8, 16665.	1.6	10
98	Properties of Solubilized Microsomal Lipase from Germinating <i>Brassica napus</i> . <i>Plant Physiology</i> , 1989, 91, 1303-1307.	2.3	9
99	Bypassing the $\Delta^6$ -desaturase enzyme and directly providing n-3 and n-6 PUFA pathway intermediates reduces the survival of two human breast cancer cell lines. <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 1378-1390.	1.0	9
100	Functional Characterization of Lysophosphatidylcholine: Acyl-CoA Acyltransferase Genes From Sunflower ( <i>Helianthus annuus</i> L.). <i>Frontiers in Plant Science</i> , 2020, 11, 403.	1.7	9
101	The linin promoter is highly effective in enhancing punicic acid production in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2017, 36, 447-457.	2.8	8
102	Molecular Enhancement of Alfalfa: Improving Quality Traits for Superior Livestock Performance and Reduced Environmental Impact. <i>Crop Science</i> , 2018, 58, 55-71.	0.8	8
103	A simple procedure for the preparation of [3H]cyloheptaamylose. <i>Carbohydrate Research</i> , 1982, 104, 334-337.	1.1	7
104	Emergence and Persistence of Volunteer Flax in Western Canadian Cropping Systems. <i>Agronomy Journal</i> , 2010, 102, 1321-1328.	0.9	7
105	Harvest Loss and Seed Bank Longevity of Flax ( <i>Linum usitatissimum</i> ) Implications for Seed-Mediated Gene Flow. <i>Weed Science</i> , 2011, 59, 61-67.	0.8	7
106	Two Clades of Type I <i>Brassica napus</i> Diacylglycerol Acyltransferase Exhibit Differences in Acyl-CoA Preference. <i>Lipids</i> , 2016, 51, 781-786.	0.7	7
107	Enhancement of total lipid production in vegetative tissues of alfalfa and sainfoin using chemical mutagenesis. <i>Crop Science</i> , 2020, 60, 2990-3003.	0.8	7
108	Quantification and Mitigation of Adventitious Presence of Volunteer Flax ( <i>Linum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62Td (usitata	0.8	6

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109	A Rapid Nile Red Fluorescence-Based Method for Triacylglycerol Content in Microspore-Derived Cell Suspension Cultures of <i>Brassica napus</i> . <i>Lipids</i> , 2014, 49, 1161-1168.	0.7	6
110	The Bsister MADS-box proteins have multiple regulatory functions in plant development. <i>Biocatalysis and Agricultural Biotechnology</i> , 2012, 1, 203-206.	1.5	5
111	Tailoring lipid synthesis in oil crops. <i>Inform</i> , 2015, 26, 78-83.	0.1	5
112	Production of Other Bioproducts from Plant Oils. , 2018, , 59-85.		4
113	Evaluation of virus-induced gene silencing methods for forage legumes including alfalfa, sainfoin, and fenugreek. <i>Canadian Journal of Plant Science</i> , 2019, 99, 917-926.	0.3	4
114	Seed-specific down-regulation of Arabidopsis CELLULOSE SYNTHASE 1 or 9 reduces seed cellulose content and differentially affects carbon partitioning. <i>Plant Cell Reports</i> , 2020, 39, 953-969.	2.8	4
115	<i>Physaria fendleri</i> and <i>Ricinus communis</i> lecithin:cholesterol acyltransferase-like phospholipases selectively cleave hydroxy acyl chains from phosphatidylcholine. <i>Plant Journal</i> , 2021, 105, 182-196.	2.8	4
116	The effect of AINTEGUMENTA-LIKE 7 over-expression on seed fatty acid biosynthesis, storage oil accumulation and the transcriptome in <i>Arabidopsis thaliana</i> . <i>Plant Cell Reports</i> , 2021, 40, 1647-1663.	2.8	4
117	Genetic Engineering of Lipid Biosynthesis in Seeds. , 2013, , 111-149.		4
118	Hormonal control of lipase activity in oilseed rape germinants. <i>Physiologia Plantarum</i> , 1993, 89, 476-482.	2.6	3
119	IMMUNOHISTOCHEMICAL LOCALIZATION OF PREADIPOCYTE FACTOR-1: POTENTIAL MARKER OF PREADIPOCYTES IN BOVINE MUSCLE TISSUE. <i>Journal of Muscle Foods</i> , 2005, 16, 155-176.	0.5	3
120	Possible allostery and oligomerization of recombinant plastidial sn-glycerol-3-phosphate acyltransferase. <i>Archives of Biochemistry and Biophysics</i> , 2014, 554, 55-64.	1.4	3
121	Downregulation of key genes involved in carbon metabolism in <i>Medicago truncatula</i> results in increased lipid accumulation in vegetative tissue. <i>Crop Science</i> , 2020, 60, 1798-1808.	0.8	3
122	Interaction of Photoreactive Substrate Analogs with Diacylglycerol Acyltransferase from Microspore-Derived Embryos of Oilseed Rape. , 1995, , 518-520.		3
123	Introduction to Industrial Oil Crops. , 2016, , 1-13.		3
124	Strategies in the purification of plant proteins. <i>Physiologia Plantarum</i> , 1992, 84, 301-309.	2.6	2
125	Stability of diacylglycerol acyltransferase in dehydrated bovine muscle tissue. <i>Analytical Biochemistry</i> , 2003, 318, 254-259.	1.1	1
126	Down regulation of the IND gene causes male sterility in canola ( <i>Brassica napus</i> L.). <i>Biocatalysis and Agricultural Biotechnology</i> , 2016, 6, 9-18.	1.5	1



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127	Production of Biodiesel from Plant Oils. , 2018, , 41-58.		1
128	Genetic Engineering Approaches for Trait Development in Brassica Oilseed Species. , 2011, , 57-91.		1
129	Molecular Strategies for Increasing Seed Oil Content. , 2009, , 3-17.		1
130	High-throughput approaches to investigate neutral lipid biosynthesis. International Journal of High Throughput Screening, 2010, , 29.	0.5	0