

Timothy P Durrett

List of Publications by Year in descending order

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38
papers

3,955
citations

394421

19
h-index

315739

38
g-index

40
all docs

40
docs citations

40
times ranked

4713
citing authors

#	ARTICLE	IF	CITATIONS
1	Acyl-Lipid Metabolism. The Arabidopsis Book, 2013, 11, e0161.	0.5	974
2	Plant triacylglycerols as feedstocks for the production of biofuels. Plant Journal, 2008, 54, 593-607.	5.7	580
3	The FRD3-Mediated Efflux of Citrate into the Root Vasculature Is Necessary for Efficient Iron Translocation. Plant Physiology, 2007, 144, 197-205.	4.8	525
4	Analysis of Acyl Fluxes through Multiple Pathways of Triacylglycerol Synthesis in Developing Soybean Embryos. Plant Physiology, 2009, 150, 55-72.	4.8	278
5	Comparative deep transcriptional profiling of four developing oilseeds. Plant Journal, 2011, 68, 1014-1027.	5.7	241
6	Engineering Vitamin E Content: From Arabidopsis Mutant to Soy Oil. Plant Cell, 2003, 15, 3007-3019.	6.6	231
7	Increasing the energy density of vegetative tissues by diverting carbon from starch to oil biosynthesis in transgenic Arabidopsis. Plant Biotechnology Journal, 2011, 9, 874-883.	8.3	165
8	A distinct DGAT with <i>sn</i> -3 acetyltransferase activity that synthesizes unusual, reduced-viscosity oils in <i>Euonymus</i> and transgenic seeds. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9464-9469.	7.1	118
9	Oleaginous yeast: a value-added platform for renewable oils. Critical Reviews in Biotechnology, 2016, 36, 942-955.	9.0	85
10	Camelina sativa: An ideal platform for the metabolic engineering and field production of industrial lipids. Biochimie, 2016, 120, 9-16.	2.6	84
11	Molecular tools enabling pennycress (<i>Thlaspi arvense</i>) as a model plant and oilseed cash cover crop. Plant Biotechnology Journal, 2019, 17, 776-788.	8.3	75
12	A plant factory for moth pheromone production. Nature Communications, 2014, 5, 3353.	12.8	67
13	Metabolic engineering of oilseed crops to produce high levels of novel acetyl glyceride oils with reduced viscosity, freezing point and calorific value. Plant Biotechnology Journal, 2015, 13, 858-865.	8.3	67
14	Characterization of the Arabidopsis TU8 Glucosinolate Mutation, an Allele of TERMINAL FLOWER2. Plant Molecular Biology, 2004, 54, 671-682.	3.9	51
15	Field production, purification and analysis of high-oleic acetyl-triacylglycerols from transgenic Camelina sativa. Industrial Crops and Products, 2015, 65, 259-268.	5.2	46
16	Camelina Seed Yield and Fatty Acids as Influenced by Genotype and Environment. Agronomy Journal, 2017, 109, 947-956.	1.8	42
17	Towards the synthetic design of camelina oil enriched in tailored acetyl-triacylglycerols with medium-chain fatty acids. Journal of Experimental Botany, 2018, 69, 4395-4402.	4.8	30
18	On the Inverse Correlation of Protein and Oil: Examining the Effects of Altered Central Carbon Metabolism on Seed Composition Using Soybean Fast Neutron Mutants. Metabolites, 2020, 10, 18.	2.9	25

#	ARTICLE	IF	CITATIONS
19	Temporal changes in metabolism late in seed development affect biomass composition. <i>Plant Physiology</i> , 2021, 186, 874-890.	4.8	25
20	The Yeast ATF1 Acetyltransferase Efficiently Acetylates Insect Pheromone Alcohols: Implications for the Biological Production of Moth Pheromones. <i>Lipids</i> , 2016, 51, 469-475.	1.7	24
21	Arabidopsis <i>scpFtsY</i> mutants exhibit pleiotropic defects including an inability to increase iron deficiency-inducible root Fe(III) chelate reductase activity. <i>Plant Journal</i> , 2006, 47, 467-479.	5.7	23
22	Seed yield and oil quality as affected by <i>Camelina</i> cultivar and planting date. <i>Journal of Crop Improvement</i> , 2019, 33, 202-222.	1.7	21
23	Membrane topology and identification of key residues of <i>EaDcT</i> , a plant <i>scpMBOAT</i> with unusual substrate specificity. <i>Plant Journal</i> , 2017, 92, 82-94.	5.7	20
24	Functional diversity of glycerolipid acylhydrolases in plant metabolism and physiology. <i>Progress in Lipid Research</i> , 2019, 75, 100987.	11.6	19
25	Feasible regeneration and agro bacterium-mediated transformation of <i>Brassica juncea</i> with <i>Euonymus alatus</i> diacylglycerol acetyltransferase (<i>EaDcT</i>) gene. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1324-1332.	3.8	19
26	Review: Metabolic engineering of unusual lipids in the synthetic biology era. <i>Plant Science</i> , 2017, 263, 126-131.	3.6	18
27	Metabolic engineering of <i>Saccharomyces cerevisiae</i> to produce a reduced viscosity oil from lignocellulose. <i>Biotechnology for Biofuels</i> , 2017, 10, 69.	6.2	16
28	The Plastid Lipase <i>PLIP1</i> Is Critical for Seed Viability in <i>diacylglycerol acyltransferase1</i> Mutant Seed. <i>Plant Physiology</i> , 2019, 180, 1962-1974.	4.8	14
29	Suppression of <i>SDP1</i> Improves Soybean Seed Composition by Increasing Oil and Reducing Undigestible Oligosaccharides. <i>Frontiers in Plant Science</i> , 2022, 13, 863254.	3.6	13
30	Defining the extreme substrate specificity of <i>Euonymus alatus</i> diacylglycerol acetyltransferase, an unusual membrane-bound <i>O</i> -acyltransferase. <i>Bioscience Reports</i> , 2016, 36, .	2.4	12
31	Rapid Quantification of Low-Viscosity Acetyl-Triacylglycerols Using Electrospray Ionization Mass Spectrometry. <i>Lipids</i> , 2016, 51, 1093-1102.	1.7	11
32	Generating Pennycress (<i>Thlaspi arvense</i>) Seed Triacylglycerols and Acetyl-Triacylglycerols Containing Medium-Chain Fatty Acids. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	8
33	Pennycress, carbon wise: labeling experiments reveal how pennycress seeds efficiently incorporate carbon into biomass. <i>Journal of Experimental Botany</i> , 2020, 71, 2842-2846.	4.8	7
34	The tail of chlorophyll: Fates for phytol. <i>Journal of Biological Chemistry</i> , 2021, 296, 100802.	3.4	6
35	Expression of a high-activity diacylglycerol acetyltransferase results in enhanced synthesis of acetyl-TAG in camelina seed oil. <i>Plant Journal</i> , 2021, 106, 953-964.	5.7	6
36	Lipidomic Analysis of Arabidopsis T-DNA Insertion Lines Leads to Identification and Characterization of C-Terminal Alterations in FATTY ACID DESATURASE 6. <i>Plant and Cell Physiology</i> , 2022, 63, 1193-1204.	3.1	5

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37	Generation of camelina mid-oleic acid seed oil by identification and stacking of fatty acid biosynthetic mutants. <i>Industrial Crops and Products</i> , 2021, 159, 113074.	5.2	2
38	A New Class of Acetylâ€TAG Present in Seed Oils of <i>Polygala</i> Species. <i>European Journal of Lipid Science and Technology</i> , 2018, 120, 1800246.	1.5	1