Yang Xu

List of Publications by Year in descending order

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28	575	623574	677027
papers	citations	14 h-index	22 g-index

29	29	29	579
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Properties and Biotechnological Applications of Acylâ€CoA:diacylglycerol Acyltransferase and Phospholipid:diacylglycerol Acyltransferase from Terrestrial Plants and Microalgae. Lipids, 2018, 53, 663-688.	0.7	72
2	The Role of Triacylglycerol in Plant Stress Response. Plants, 2020, 9, 472.	1.6	71
3	Substrate preferences of long-chain acyl-CoA synthetase and diacylglycerol acyltransferase contribute to enrichment of flax seed oil with Î±-linolenic acid. Biochemical Journal, 2018, 475, 1473-1489.	1.7	36
4	Highâ€performance variants of plant diacylglycerol acyltransferase 1 generated by directed evolution provide insights into structure function. Plant Journal, 2017, 92, 167-177.	2.8	35
5	Bioactivity and biotechnological production of punicic acid. Applied Microbiology and Biotechnology, 2018, 102, 3537-3549.	1.7	32
6	Diacylglycerol acyltransferase 1 is activated by phosphatidate and inhibited by SnRK1â€catalyzed phosphorylation. Plant Journal, 2018, 96, 287-299.	2.8	29
7	Production of Diacylglycerolâ€Mixture of Regioisomers with High Purity by Twoâ€Step Enzymatic Reactions Combined with Molecular Distillation. JAOCS, Journal of the American Oil Chemists' Society, 2014, 91, 251-259.	0.8	25
8	Immobilization of lipase SMG1 and its application in synthesis of partial glycerides. European Journal of Lipid Science and Technology, 2014, 116, 1063-1069.	1.0	23
9	Multiple mechanisms contribute to increased neutral lipid accumulation in yeast producing recombinant variants of plant diacylglycerol acyltransferase 1. Journal of Biological Chemistry, 2017, 292, 17819-17831.	1.6	22
10	Characterization of Type-2 Diacylglycerol Acyltransferases in the Green Microalga Chromochloris zofingiensis. Journal of Agricultural and Food Chemistry, 2019, 67, 291-298.	2.4	22
11	A transferase interactome that may facilitate channeling of polyunsaturated fatty acid moieties from phosphatidylcholine to triacylglycerol. Journal of Biological Chemistry, 2019, 294, 14838-14844.	1.6	20
12	Identification of genes associated with ricinoleic acid accumulation in Hiptage benghalensis via transcriptome analysis. Biotechnology for Biofuels, 2019, 12, 16.	6.2	18
13	Characterization of fecal branched-chain fatty acid profiles and their associations with fecal microbiota in diarrheic and healthy dairy calves. Journal of Dairy Science, 2021, 104, 2290-2301.	1.4	18
14	Characterization of the diversification of phospholipid:diacylglycerol acyltransferases in the green lineage. Plant Journal, 2020, 103, 2025-2038.	2.8	17
15	Enzymatic hydrolysis of palm stearin to produce diacylglycerol with a highly thermostable lipase. European Journal of Lipid Science and Technology, 2013, 115, 564-570.	1.0	16
16	Arabidopsis CTP:phosphocholine cytidylyltransferase 1 is phosphorylated and inhibited by sucrose nonfermenting 1â€“related protein kinase 1 (SnRK1). Journal of Biological Chemistry, 2019, 294, 15862-15874.	1.6	16
17	Enzymatic Synthesis of Extremely Pure Triacylglycerols Enriched in Conjugated Linoleic Acids. Molecules, 2013, 18, 9704-9716.	1.7	14
18	Punicic acid production in Brassica napus. Metabolic Engineering, 2020, 62, 20-29.	3.6	14

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19	Engineering Arabidopsis long-chain acyl-CoA synthetase 9 variants with enhanced enzyme activity. Biochemical Journal, 2019, 476, 151-164.	1.7	13
20	Kinetic improvement of an algal diacylglycerol acyltransferase 1 via fusion with an acylâ€CoA binding protein. Plant Journal, 2020, 102, 856-871.	2.8	12
21	Short communication: Odd-chain and branched-chain fatty acid concentrations in bovine colostrum and transition milk and their stability under heating and freezing treatments. Journal of Dairy Science, 2020, 103, 11483-11489.	1.4	12
22	Evolutionary and biochemical characterization of a Chromochloris zofingiensis MBOAT with wax synthase and diacylglycerol acyltransferase activity. Journal of Experimental Botany, 2021, 72, 5584-5598.	2.4	9
23	Genetic architecture of seed glycerolipids in Asian cultivated rice. Plant, Cell and Environment, 0, , .	2.8	9
24	Characterization of a Typeâ€2 Diacylglycerol Acyltransferase from Haematococcus pluvialis Reveals Possible Allostery of the Recombinant Enzyme. Lipids, 2020, 55, 425-433.	0.7	7
25	Improving the Production of Punicic Acid in Bakerâ€™s Yeast by Engineering Genes in Acyl Channeling Processes and Adjusting Precursor Supply. Journal of Agricultural and Food Chemistry, 2021, 69, 9616-9624.	2.4	5
26	A Fluorescenceâ€Based Assay for Quantitative Analysis of Phospholipid:Diacylglycerol Acyltransferase Activity. Lipids, 2019, 54, 571-579.	0.7	4
27	Physaria fendleri and Ricinus communis lecithin:cholesterol acyltransferaseâ€like phospholipases selectively cleave hydroxy acyl chains from phosphatidylcholine. Plant Journal, 2021, 105, 182-196.	2.8	4
28	Improving oil production in plants and microalgae by engineering performance-enhanced diacylglycerol acyltransferase 1. Inform, 2020, 31, 20-23.	0.1	0