

# Joaquín J Salas

## List of Publications by Year in descending order

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133  
papers

4,113  
citations

136950

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149698

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134  
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134  
docs citations

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times ranked

4323  
citing authors

#	ARTICLE	IF	CITATIONS
1	Arabidopsis Genes Involved in Acyl Lipid Metabolism. A 2003 Census of the Candidates, a Study of the Distribution of Expressed Sequence Tags in Organs, and a Web-Based Database. <i>Plant Physiology</i> , 2003, 132, 681-697.	4.8	350
2	Disruption of the FATB Gene in Arabidopsis Demonstrates an Essential Role of Saturated Fatty Acids in Plant Growth. <i>Plant Cell</i> , 2003, 15, 1020-1033.	6.6	276
3	Characterization of substrate specificity of plant FatA and FatB acyl-ACP thioesterases. <i>Archives of Biochemistry and Biophysics</i> , 2002, 403, 25-34.	3.0	228
4	Content of carotenoids, tocopherols, sterols, triterpenic and aliphatic alcohols, and volatile compounds in six walnuts ( <i>Juglans regia</i> L.) varieties. <i>Food Chemistry</i> , 2015, 173, 972-978.	8.2	144
5	Lipoxygenase activity in olive ( <i>Olea europaea</i> ) fruit. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1999, 76, 1163-1168.	1.9	82
6	The Decrease of Virgin Olive Oil Flavor Produced by High Malaxation Temperature Is Due to Inactivation of Hydroperoxide Lyase. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 809-812.	5.2	82
7	Autophagic flux is required for the synthesis of triacylglycerols and ribosomal protein turnover in <i>Chlamydomonas</i> . <i>Journal of Experimental Botany</i> , 2018, 69, 1355-1367.	4.8	82
8	Evaluation of high oleic-high stearic sunflower hard stearins for cocoa butter equivalent formulation. <i>Food Chemistry</i> , 2012, 134, 1409-1417.	8.2	75
9	Characterization of the morphological changes and fatty acid profile of developing <i>Camelina sativa</i> seeds. <i>Industrial Crops and Products</i> , 2013, 50, 673-679.	5.2	73
10	Cloning, characterization and structural model of a FatA-type thioesterase from sunflower seeds ( <i>Helianthus annuus</i> L.). <i>Planta</i> , 2005, 221, 868-880.	3.2	61
11	Oils from Improved High Stearic Acid Sunflower Seeds. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 5326-5330.	5.2	61
12	Vegetable oil basestocks for lubricants. <i>Grasas Y Aceites</i> , 2011, 62, 21-28.	0.9	61
13	Changes in chloroplast lipid contents and chloroplast ultrastructure in <i>Sulla carnosa</i> and <i>Sulla coronaria</i> leaves under salt stress. <i>Journal of Plant Physiology</i> , 2016, 198, 32-38.	3.5	61
14	Characterization of polar and nonpolar seed lipid classes from highly saturated fatty acid sunflower mutants. <i>Lipids</i> , 1997, 32, 833-837.	1.7	59
15	Identification of Triacylglycerol Species from High-Saturated Sunflower ( <i>Helianthus annuus</i> ) Mutants. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 764-769.	5.2	56
16	Characterization of Alcohol Acyltransferase from Olive Fruit. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 3155-3158.	5.2	56
17	Impact of the Suppression of Lipoxygenase and Hydroperoxide Lyase on the Quality of the Green Odor in Green Leaves. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 1648-1655.	5.2	56
18	Alcohol dehydrogenases from olive ( <i>Olea europaea</i> ) fruit. <i>Phytochemistry</i> , 1998, 48, 35-40.	2.9	55

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19	Proteome Analysis of Cold Acclimation in Sunflower. <i>Journal of Proteome Research</i> , 2011, 10, 2330-2346.	3.7	55
20	Reduced expression of FatA thioesterases in <i>Arabidopsis</i> affects the oil content and fatty acid composition of the seeds. <i>Planta</i> , 2012, 235, 629-639.	3.2	55
21	Acyl-ACP thioesterases from castor ( <i>Ricinus communis</i> L.): An enzymatic system appropriate for high rates of oil synthesis and accumulation. <i>Phytochemistry</i> , 2010, 71, 860-869.	2.9	53
22	Temperature effect on a high stearic acid sunflower mutant. <i>Phytochemistry</i> , 2002, 59, 33-37.	2.9	51
23	Production of stearate-rich butters by solvent fractionation of high stearic acid high oleic sunflower oil. <i>Food Chemistry</i> , 2011, 124, 450-458.	8.2	50
24	Shifting sowing of camelina from spring to autumn enhances the oil quality for bio-based applications in response to temperature and seed carbon stock. <i>Industrial Crops and Products</i> , 2019, 137, 66-73.	5.2	48
25	The sources of carbon and reducing power for fatty acid synthesis in the heterotrophic plastids of developing sunflower ( <i>Helianthus annuus</i> L.) embryos. <i>Journal of Experimental Botany</i> , 2005, 56, 1297-1303.	4.8	46
26	Characterization of <i>Xanthoceras sorbifolium</i> Bunge seeds: Lipids, proteins and saponins content. <i>Industrial Crops and Products</i> , 2017, 109, 192-198.	5.2	46
27	Fatty Acid Composition in Developing High Saturated Sunflower ( <i>Helianthus annuus</i> ) Seeds: Maturation Changes and Temperature Effect. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 3577-3582.	5.2	45
28	Metabolic control analysis reveals an important role for diacylglycerol acyltransferase in olive but not in oil palm lipid accumulation. <i>FEBS Journal</i> , 2005, 272, 5764-5770.	4.7	45
29	Lipoxygenase pathway in olive callus cultures ( <i>Olea europaea</i> ). <i>Phytochemistry</i> , 2000, 53, 13-19.	2.9	43
30	Acyl-ACP thioesterases from macadamia ( <i>Macadamia tetraphylla</i> ) nuts: Cloning, characterization and their impact on oil composition. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 82-87.	5.8	42
31	Use of metabolic control analysis to give quantitative information on control of lipid biosynthesis in the important oil crop, <i>Elaeis guineensis</i> (oilpalm). <i>New Phytologist</i> , 2009, 184, 330-339.	7.3	38
32	Pantothenate Rescues Iron Accumulation in Pantothenate Kinase-Associated Neurodegeneration Depending on the Type of Mutation. <i>Molecular Neurobiology</i> , 2019, 56, 3638-3656.	4.0	36
33	The determination of the asymmetrical stereochemical distribution of fatty acids in triacylglycerols. <i>Analytical Biochemistry</i> , 2004, 334, 175-182.	2.4	34
34	Dry Fractionation and Crystallization Kinetics of High Oleic High Stearic Sunflower Oil. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2011, 88, 1511.	1.9	33
35	Enzymatic studies of high stearic acid sunflower seed mutants. <i>Plant Physiology and Biochemistry</i> , 2000, 38, 377-382.	5.8	32
36	Sequential one-step extraction and analysis of triacylglycerols and fatty acids in plant tissues. <i>Analytical Biochemistry</i> , 2003, 317, 247-254.	2.4	32

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37	A large decrease of cytosolic triosephosphate isomerase in transgenic potato roots affects the distribution of carbon in primary metabolism. <i>Planta</i> , 2012, 236, 1177-1190.	3.2	32
38	Studies of isothermal crystallisation kinetics of sunflower hard stearin-based confectionery fats. <i>Food Chemistry</i> , 2013, 139, 184-195.	8.2	32
39	Biochemical characterization of a high-palmitoleic acid <i>Helianthus annuus</i> mutant. <i>Plant Physiology and Biochemistry</i> , 2004, 42, 373-381.	5.8	31
40	Biochemistry of high stearic sunflower, a new source of saturated fats. <i>Progress in Lipid Research</i> , 2014, 55, 30-42.	11.6	31
41	Enzymatic characterisation of high-palmitic acid sunflower ( <i>Helianthus annuus</i> L.) mutants. <i>Planta</i> , 1999, 207, 533-538.	3.2	30
42	Sunflower HaGPAT9-1 is the predominant GPAT during seed development. <i>Plant Science</i> , 2016, 252, 42-52.	3.6	30
43	Effects of varying media, temperature, and growth rates on the intracellular concentrations of yeast amino acids. <i>Biotechnology Progress</i> , 1995, 11, 386-392.	2.6	29
44	Very Long Chain Fatty Acid Synthesis in Sunflower Kernels. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 2710-2716.	5.2	29
45	Current advances in sunflower oil and its applications. <i>Lipid Technology</i> , 2009, 21, 79-82.	0.3	28
46	Sunflower ( <i>Helianthus annuus</i> ) long-chain acyl-coenzyme A synthetases expressed at high levels in developing seeds. <i>Physiologia Plantarum</i> , 2014, 150, 363-373.	5.2	28
47	Tailoring the composition of novel wax esters in the seeds of transgenic <i>Camelina sativa</i> through systematic metabolic engineering. <i>Plant Biotechnology Journal</i> , 2017, 15, 837-849.	8.3	28
48	Acyl-acyl carrier protein thioesterase activity from sunflower ( <i>Helianthus annuus</i> L.) seeds. <i>Planta</i> , 2000, 211, 673-678.	3.2	27
49	The role of $\beta^2$ -ketoacyl-acyl carrier protein synthase III in the condensation steps of fatty acid biosynthesis in sunflower. <i>Planta</i> , 2010, 231, 1277-1289.	3.2	27
50	Cloning, biochemical characterization and expression of a sunflower ( <i>Helianthus annuus</i> L.) hexokinase associated with seed storage compounds accumulation. <i>Journal of Plant Physiology</i> , 2011, 168, 299-308.	3.5	27
51	Molecular cloning and characterization of the genes encoding a microsomal oleate $\beta^2$ desaturase (CsFAD2) and linoleate $\beta^2$ desaturase (CsFAD3) from <i>Camelina sativa</i> . <i>Industrial Crops and Products</i> , 2016, 89, 405-415.	5.2	27
52	Lipid characterization of seed oils from high-palmitic, low-palmitoleic, and very high-stearic acid sunflower lines. <i>Lipids</i> , 2005, 40, 369-374.	1.7	26
53	Selection of amino-acid overproducer yeast mutants. <i>Current Genetics</i> , 1992, 21, 191-196.	1.7	25
54	Characterization of a small acyl-CoA-binding protein (ACBP) from <i>Helianthus annuus</i> L. and its binding affinities. <i>Plant Physiology and Biochemistry</i> , 2016, 102, 141-150.	5.8	24

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55	Cloning and expression of fatty acids biosynthesis key enzymes from sunflower ( <i>Helianthus annuus</i> L.) in <i>Escherichia coli</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 786, 221-228.	2.3	23
56	Volatile Compound Biosynthesis by Green Leaves from an <i>Arabidopsis thaliana</i> Hydroperoxide Lyase Knockout Mutant. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 8199-8205.	5.2	23
57	Glycolytic enzymatic activities in developing seeds involved in the differences between standard and low oil content sunflowers ( <i>Helianthus annuus</i> L.). <i>Plant Physiology and Biochemistry</i> , 2010, 48, 961-965.	5.8	23
58	Vitamin E prevents lipid peroxidation and iron accumulation in PLA2G6-Associated Neurodegeneration. <i>Neurobiology of Disease</i> , 2022, 165, 105649.	4.4	23
59	Increase of the Stearic Acid Content in High-Oleic Sunflower ( <i>Helianthus annuus</i> ) Seeds. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 9383-9388.	5.2	22
60	Acyl carrier proteins from sunflower ( <i>Helianthus annuus</i> L.) seeds and their influence on FatA and FatB acyl-ACP thioesterase activities. <i>Planta</i> , 2016, 244, 479-490.	3.2	21
61	Characterization of glycolytic initial metabolites and enzyme activities in developing sunflower ( <i>Helianthus annuus</i> L.) seeds. <i>Phytochemistry</i> , 2009, 70, 1117-1122.	2.9	20
62	Acyl-ACP thioesterases from <i>Camelina sativa</i> : Cloning, enzymatic characterization and implication in seed oil fatty acid composition. <i>Phytochemistry</i> , 2014, 107, 7-15.	2.9	20
63	Intracellular cholesterol accumulation and coenzyme Q10 deficiency in Familial Hypercholesterolemia. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3697-3713.	3.8	20
64	Lipid Characterization in Vegetative Tissues of High Saturated Fatty Acid Sunflower Mutants. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 78-82.	5.2	19
65	Accumulation of phospholipids and glycolipids in seed kernels of different sunflower mutants ( <i>Helianthus annuus</i> ). <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2006, 83, 539-545.	1.9	19
66	Tropical vegetable fats and butters: properties and new alternatives. <i>Oleagineux Corps Gras Lipides</i> , 2009, 16, 254-258.	0.2	19
67	Characterization of soluble acyl-ACP desaturases from <i>Camelina sativa</i> , <i>Macadamia tetraphylla</i> and <i>Dolichandra unguis-cati</i> . <i>Journal of Plant Physiology</i> , 2015, 178, 35-42.	3.5	19
68	New insights in the composition of wax and sterol esters in common and mutant sunflower oils revealed by ESI-MS/MS. <i>Food Chemistry</i> , 2018, 269, 70-79.	8.2	19
69	Functional characterization of a plastidial omega-3 desaturase from sunflower ( <i>Helianthus annuus</i> ) in <i>Cyanobacteria</i> . <i>Plant Physiology and Biochemistry</i> , 2006, 44, 517-525.	5.8	18
70	Sunflower ( <i>Helianthus annuus</i> ) fatty acid synthase complex: $\Delta^2$ -hydroxyacyl-[acyl carrier protein] dehydratase genes. <i>Planta</i> , 2016, 243, 397-410.	3.2	18
71	New Insights Into Sunflower ( <i>Helianthus annuus</i> L.) FatA and FatB Thioesterases, Their Regulation, Structure and Distribution. <i>Frontiers in Plant Science</i> , 2018, 9, 1496.	3.6	18
72	Sunflower ( <i>Helianthus annuus</i> ) fatty acid synthase complex: enoyl-[acyl carrier protein]-reductase genes. <i>Planta</i> , 2015, 241, 43-56.	3.2	17

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73	Molecular and biochemical characterization of the OLE-1 high-oleic castor seed ( <i>Ricinus communis</i> L.) mutant. <i>Planta</i> , 2016, 244, 245-258.	3.2	17
74	Metabolism of Triacylglycerol Species during Seed Germination in Fatty Acid Sunflower ( <i>Helianthus annuus</i> ) Mutants. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 770-774.	5.2	16
75	Molecular cloning and biochemical characterization of three phosphoglycerate kinase isoforms from developing sunflower ( <i>Helianthus annuus</i> L.) seeds. <i>Phytochemistry</i> , 2012, 79, 27-38.	2.9	16
76	Effect of a mutagenized acyl-ACP thioesterase FATA allele from sunflower with improved activity in tobacco leaves and <i>Arabidopsis</i> seeds. <i>Planta</i> , 2014, 239, 667-677.	3.2	16
77	Food Uses of Sunflower Oils. , 2015, , 441-464.		16
78	Cloning, heterologous expression and biochemical characterization of plastidial sn-glycerol-3-phosphate acyltransferase from <i>Helianthus annuus</i> . <i>Phytochemistry</i> , 2015, 111, 27-36.	2.9	16
79	Separation of o-phthalaldehyde derivatives of amino acids of the internal pool of yeast by reverse-phase liquid chromatography. <i>Biotechnology Letters</i> , 1991, 5, 209-214.	0.5	15
80	The biochemical characterization of a high-stearic acid sunflower mutant reveals the coordinated regulation of stearoyl-acyl carrier protein desaturases. <i>Plant Physiology and Biochemistry</i> , 2008, 46, 109-116.	5.8	15
81	Phospholipase D1± from sunflower ( <i>Helianthus annuus</i> ): cloning and functional characterization. <i>Journal of Plant Physiology</i> , 2010, 167, 503-511.	3.5	15
82	Temperature-related non-homogeneous fatty acid desaturation in sunflower ( <i>Helianthus annuus</i> L.) seeds. <i>Planta</i> , 2003, 216, 834-840.	3.2	14
83	Effect of growth temperature on the high stearic and high stearic-high oleic sunflower traits. <i>Crop and Pasture Science</i> , 2013, 64, 18.	1.5	14
84	Effect of solvents on the fractionation of high oleic and high stearic sunflower oil. <i>Food Chemistry</i> , 2015, 172, 710-717.	8.2	14
85	Functional characterization and structural modelling of <i>Helianthus annuus</i> (sunflower) ketoacyl-CoA synthases and their role in seed oil composition. <i>Planta</i> , 2019, 249, 1823-1836.	3.2	14
86	Characterization of the glycerolipid composition of a high-palmitoleic acid sunflower mutant. <i>European Journal of Lipid Science and Technology</i> , 2007, 109, 591-599.	1.5	13
87	Characterization and partial purification of acyl-CoA:glycerol 3-phosphate acyltransferase from sunflower ( <i>Helianthus annuus</i> L.) developing seeds. <i>Plant Physiology and Biochemistry</i> , 2010, 48, 73-80.	5.8	13
88	Characterization of Sphingolipids from Sunflower Seeds with Altered Fatty Acid Composition. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 12486-12492.	5.2	13
89	Minor components of olive oil facilitate the triglyceride clearance from postprandial lipoproteins in a polarity-dependent manner in healthy men. <i>Nutrition Research</i> , 2014, 34, 40-47.	2.9	13
90	Phospholipid molecular profiles in the seed kernel from different sunflower ( <i>Helianthus annuus</i> ) mutants. <i>Lipids</i> , 2006, 41, 805-811.	1.7	12

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91	Influence of Specific Fatty Acids on the Asymmetric Distribution of Saturated Fatty Acids in Sunflower ( <i>Helianthus annuus</i> L.) Triacylglycerols. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 1595-1599.	5.2	12
92	Molecular and biochemical characterization of the sunflower ( <i>Helianthus annuus</i> L.) cytosolic and plastidial enolases in relation to seed development. <i>Plant Science</i> , 2018, 272, 117-130.	3.6	12
93	Dayâ€“Night Variation in Fatty Acids and Lipids Biosynthesis in Sunflower Seeds. <i>Crop Science</i> , 2008, 48, 1952-1957.	1.8	11
94	Temperature effect on triacylglycerol species in seed oil from high stearic sunflower lines with different genetic backgrounds. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 4367-4376.	3.5	11
95	Regulation of aspartate-derived amino acid biosynthesis in the yeast <i>Saccharomyces cerevisiae</i> . <i>Current Microbiology</i> , 1993, 26, 313-322.	2.2	10
96	Dynamic channelling during de novo fatty acid biosynthesis in <i>Helianthus annuus</i> seeds. <i>Plant Physiology and Biochemistry</i> , 2002, 40, 383-391.	5.8	10
97	Genome-Wide Mapping of Histone H3 Lysine 4 Trimethylation (H3K4me3) and Its Involvement in Fatty Acid Biosynthesis in Sunflower Developing Seeds. <i>Plants</i> , 2021, 10, 706.	3.5	10
98	Sunflower ( <i>Helianthus annuus</i> ) fatty acid synthase complex: Î²-Ketoacyl-[acyl carrier protein] reductase genes. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 689-699.	5.8	10
99	Genetic analysis of apomictic wine yeasts. <i>Current Genetics</i> , 2004, 45, 187-196.	1.7	9
100	The sunflower plastidial Î³-fatty acid desaturase (HaFAD7) contains the signalling determinants required for targeting to, and retention in, the endoplasmic reticulum membrane in yeast but requires co-expressed ferredoxin for activity. <i>Phytochemistry</i> , 2010, 71, 1050-1058.	2.9	9
101	Sphingolipid base modifying enzymes in sunflower ( <i>Helianthus annuus</i> ): Cloning and characterization of a C4-hydroxylase gene and a new paralogous Î”8-desaturase gene. <i>Journal of Plant Physiology</i> , 2011, 168, 831-839.	3.5	9
102	Changes in acyl-coenzyme A pools in sunflower seeds with modified fatty acid composition. <i>Phytochemistry</i> , 2013, 87, 39-50.	2.9	9
103	Characterization of Sunflower Stearinâ€“Based Confectionary Fats in Bulk and in Compound Coatings. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2018, 95, 1139-1150.	1.9	9
104	Functional Characterization of Lysophosphatidylcholine: Acyl-CoA Acyltransferase Genes From Sunflower ( <i>Helianthus annuus</i> L.). <i>Frontiers in Plant Science</i> , 2020, 11, 403.	3.6	9
105	High stearic sunflower oil: Latest advances and applications. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2021, 28, 35.	1.4	9
106	Cloning, biochemical characterisation, tissue localisation and possible post-translational regulatory mechanism of the cytosolic phosphoglucose isomerase from developing sunflower seeds. <i>Planta</i> , 2010, 232, 845-859.	3.2	8
107	Alternatives to tropical fats based on highâ€“stearic sunflower oils. <i>Lipid Technology</i> , 2012, 24, 63-65.	0.3	8
108	Lipid profiling and oil properties of <i>Camelina sativa</i> seeds engineered to enhance the production of saturated and omega-7 fatty acids. <i>Industrial Crops and Products</i> , 2021, 170, 113765.	5.2	8

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109	Lipid Metabolism in Olive: Biosynthesis of Triacylglycerols and Aroma Components. , 2013, , 97-127.		8
110	Inhibitors of fatty acid biosynthesis in sunflower seeds. Journal of Plant Physiology, 2006, 163, 885-894.	3.5	7
111	Lipidomic Analysis of Plastidial Octanoyltransferase Mutants of Arabidopsis thaliana. Metabolites, 2019, 9, 209.	2.9	7
112	Impact of sunflower (Helianthus annuus L.) plastidial lipoyl synthases genes expression in glycerolipids composition of transgenic Arabidopsis plants. Scientific Reports, 2020, 10, 3749.	3.3	7
113	Characterization of different ozonized sunflower oils I. Chemical changes during ozonization. Grasas Y Aceites, 2019, 70, 329.	0.9	7
114	Amino Acid Overproduction and Catabolic Pathway Regulation in Saccharomyces cerevisiae. Biotechnology Progress, 1994, 10, 372-376.	2.6	6
115	Effect of the ferredoxin electron donor on sunflower (Helianthus annuus) desaturases. Plant Physiology and Biochemistry, 2009, 47, 657-662.	5.8	6
116	Agrobacterium-Mediated Transient Gene Expression in Developing Ricinus communis Seeds: A First Step in Making the Castor Oil Plant a Chemical Biofactory. Frontiers in Plant Science, 2019, 10, 1410.	3.6	6
117	Characterization and function of a sunflower (Helianthus annuus L.) Class II acyl-CoA-binding protein. Plant Science, 2020, 300, 110630.	3.6	6
118	Lipid Characterization of a High-Stearic Sunflower Mutant Displaying a Seed Stearic Acid Gradient. Journal of Agricultural and Food Chemistry, 2006, 54, 3612-3616.	5.2	5
119	Lipid characterization of a wrinkled sunflower mutant. Phytochemistry, 2008, 69, 684-691.	2.9	5
120	The Mitochondrial PHB Complex Determines Lipid Composition and Interacts With the Endoplasmic Reticulum to Regulate Ageing. Frontiers in Physiology, 2021, 12, 696275.	2.8	5
121	The Sunflower WRINKLED1 Transcription Factor Regulates Fatty Acid Biosynthesis Genes through an AW Box Binding Sequence with a Particular Base Bias. Plants, 2022, 11, 972.	3.5	5
122	Characterization of the acyl-ACP thioesterases from Koeleria paniculata reveals a new type of FatB thioesterase. Heliyon, 2020, 6, e05237.	3.2	4
123	Effect of the distribution of saturated fatty acids in the melting and crystallization profiles of high-oleic high-stearic oils. Grasas Y Aceites, 2016, 67, e149.	0.9	4
124	Characterization of Helianthus annuus Lipoic Acid Biosynthesis: The Mitochondrial Octanoyltransferase and Lipoyl Synthase Enzyme System. Frontiers in Plant Science, 2021, 12, 781917.	3.6	4
125	Systematic mutagenesis of the fission yeast Srp54 protein. Current Genetics, 1999, 35, 88-102.	1.7	3
126	cDNA cloning, expression levels and gene mapping of photosynthetic and non-photosynthetic ferredoxin genes in sunflower (Helianthus annuus L.). Theoretical and Applied Genetics, 2009, 118, 891-901.	3.6	3

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127	TheSAM2 gene product catalyzes the formation of S-adenosyl-ethionine from ethionine in <i>Saccharomyces cerevisiae</i> . <i>Current Microbiology</i> , 1994, 28, 339-343.	2.2	2
128	Characterization of different ozonized sunflower oils II. Triacylglycerol condensation and physical properties. <i>Grasas Y Aceites</i> , 2019, 70, 330.	0.9	1
129	High-oleic sunflower seed oil. , 2022, , 109-124.		1
130	Metabolism and accumulation of hydroxylated fatty acids by castor ( <i>Ricinus comunis</i> ) seed microsomes. <i>Plant Physiology and Biochemistry</i> , 2022, 170, 266-274.	5.8	1
131	Prologe: Biodegradable lubricants from vegetable oils. <i>Grasas Y Aceites</i> , 2011, 62, 7.	0.9	0
132	Comparing Sunflower Stearins with Cocoa Butter. , 2013, , 149-161.		0
133	Characterization and impact of sunflower plastidial octanoyltransferases ( <i>Helianthus annuus</i> L.) on oil composition. <i>Journal of Plant Physiology</i> , 2022, 274, 153730.	3.5	0