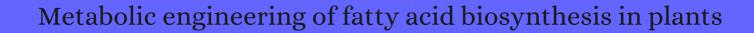
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#	Paper	IF	Citations
370	Children and genetically engineered food: potentials and problems. <b>2002</b> , 35, 475-86		4
369	Plants and human health in the twenty-first century. <b>2002</b> , 20, 522-31		567
368	Metabolic engineering of fatty acid biosynthesis in plants. <i>Metabolic Engineering</i> , <b>2002</b> , 4, 12-21	9.7	321
367	Both antisense and sense expression of biotin carboxyl carrier protein isoform 2 inactivates the plastid acetyl-coenzyme A carboxylase in Arabidopsis thaliana. <i>Plant Journal</i> , <b>2002</b> , 32, 419-31	6.9	68
366	Brassica napus soluble epoxide hydrolase (BNSEH1). <b>2002</b> , 269, 5295-302		15
365	Long chain polyunsaturated fatty acid production and partitioning to triacylglycerols in four microalgae. <b>2002</b> , 61, 15-24		215
364	Bioorganic chemistry of plant lipid desaturation. <b>2003</b> , 2, 103-111		16
363	Screening of oxylipins for control of oilseed rape (Brassica napus) fungal pathogens. <b>2003</b> , 63, 89-95		35
362	A Mucor rouxii mutant with high accumulation of an unusual trans-linoleic acid (9c,12t-C18:2). <b>2003</b> , 223, 159-65		2
361	Multifunctional acetyl-CoA carboxylase 1 is essential for very long chain fatty acid elongation and embryo development in Arabidopsis. <i>Plant Journal</i> , <b>2003</b> , 33, 75-86	6.9	151
<b>3</b> 60	Biotechnological approaches to modify rapeseed oil composition for applications in aquaculture. <i>Plant Science</i> , <b>2003</b> , 165, 349-357	5.3	33
359	Metabolic engineering of fatty acids for breeding of new oilseed crops: strategies, problems and first results. <b>2003</b> , 160, 779-802		84
358	A flux model of glycolysis and the oxidative pentosephosphate pathway in developing Brassica napus embryos. <b>2003</b> , 278, 29442-53		205
357	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> , <b>2003</b> , 132, 681-97	6.6	308
356	. 2004,		8
355	Transgenic plants: an historical perspective. <b>2005</b> , 286, 3-32		30
354	Functional expression of a Delta12 fatty acid desaturase gene from spinach in transgenic pigs. <b>2004</b> , 101, 6361-6		109

353	Plastid Metabolic Pathways for Fatty Acid Metabolism. <b>2004</b> , 543-564		8
352	Plant acetyl-CoA carboxylase: structure, biosynthesis, regulation, and gene manipulation for plant breeding. <b>2004</b> , 68, 1175-84		260
351	Evidence that the hexose-to-sucrose ratio does not control the switch to storage product accumulation in oilseeds: analysis of tobacco seed development and effects of overexpressing apoplastic invertase. <b>2004</b> , 55, 2291-303		77
350	WRINKLED1 encodes an AP2/EREB domain protein involved in the control of storage compound biosynthesis in Arabidopsis. <i>Plant Journal</i> , <b>2004</b> , 40, 575-85	6.9	438
349	Metabolite profiling as an aid to metabolic engineering in plants. <b>2004</b> , 7, 196-201		160
348	Production of linolenic acid in yeast cells expressing an omega-3 desaturase from tung (Aleurites fordii). <b>2004</b> , 81, 647-651		19
347	Progress in plant metabolic engineering. <b>2004</b> , 15, 148-54		172
346	Progress toward the production of long-chain polyunsaturated fatty acids in transgenic plants. <b>2004</b> , 39, 1067-75		33
345	Molecular Biology and Biotechnology of Plant Organelles. 2004,		14
344	The production of long chain polyunsaturated fatty acids in transgenic plants by reverse-engineering. <b>2004</b> , 86, 785-92		32
343	Cloning of fatty acid biosynthetic genes Eketoacyl CoA synthase, fatty acid elongase, stearoyl-ACP desaturase, and fatty acid desaturase and analysis of expression in the early developmental stages of flax (Linum usitatissimum L.) seeds. <i>Plant Science</i> , <b>2004</b> , 166, 1487-1496	5.3	39
342	Les plantes, sources d\u00e4cides gras essentiels om\u00e4a 3. <b>2004</b> , 11, 106-111		O
341	Gradients of lipid storage, photosynthesis and plastid differentiation in developing soybean seeds. <b>2005</b> , 167, 761-76		78
340	Stepwise engineering to produce high yields of very long-chain polyunsaturated fatty acids in plants. <b>2005</b> , 23, 1013-7		251
339	Reverse engineering of long-chain polyunsaturated fatty acid biosynthesis into transgenic plants. <b>2005</b> , 107, 249-255		5
338	Procaryotic and Eucaryotic Cells in Biotech Production. <b>2005</b> , 9-33		1
337	A multifunctional acyl-acyl carrier protein desaturase from Hedera helix L. (English ivy) can synthesize 16- and 18-carbon monoene and diene products. <b>2005</b> , 280, 28169-76		36
336	A systematic proteomic study of seed filling in soybean. Establishment of high-resolution two-dimensional reference maps, expression profiles, and an interactive proteome database. <i>Plant Physiology</i> , <b>2005</b> , 137, 1397-419	6.6	312

335	Functional characterization of an evolutionarily distinct phosphopantetheinyl transferase in the apicomplexan Cryptosporidium parvum. <b>2005</b> , 4, 1211-20		25
334	The production of very-long-chain PUFA biosynthesis in transgenic plants: towards a sustainable source of fish oils. <b>2005</b> , 64, 387-93		41
333	Development and potential of genetically engineered oilseeds. <b>2005</b> , 15, 255-267		39
332	Pleiotropic effect of phenolic compounds content increases in transgenic flax plant. <b>2005</b> , 53, 3685-92		62
331	Cloning, functional analysis, and subcellular localization of two isoforms of NADH:cytochrome b5 reductase from developing seeds of tung (Vernicia fordii). <i>Plant Science</i> , <b>2005</b> , 169, 375-385	5.3	19
330	Plant Metabolomics. 2006,		29
329	Lactate production yield from engineered yeasts is dependent from the host background, the lactate dehydrogenase source and the lactate export. <b>2006</b> , 5, 4		65
328	. 2006,		9
327	Modification of Brassica Oil Using Conventional and Transgenic Approaches. <b>2006</b> , 46, 1225-1236		87
326	The Production of Long-Chain Polyunsaturated Fatty Acids in Transgenic Plants. <b>2006</b> , 118-132		1
325	Combined transgenic expression of \$\mathbb{1}2\$-desaturase and \$\mathbb{1}2\$-epoxygenase in high linoleic acid seeds leads to increased accumulation of vernolic acid. <b>2006</b> , 33, 585-592		30
324	Progress towards the production of very long-chain polyunsaturated fatty acid in transgenic plants: plant metabolic engineering comes of age. <b>2006</b> , 126, 398-406		22
323	A spatiotemporal analysis of enzymatic activities associated with carbon metabolism in wild-type and mutant embryos of Arabidopsis using in situ histochemistry. <i>Plant Journal</i> , <b>2006</b> , 46, 155-69	6.9	63
322	Substrate specificity of acyl-Delta(6)-desaturases from Continental versus Macaronesian Echium species. <b>2006</b> , 67, 540-4		19
321	Molecular breeding strategies for the modification of lipid composition. <b>2006</b> , 42, 89-99		15
320	Breeding high-stearic oilseed rape (Brassica napus) with high- and low-erucic background using optimised promoter-gene constructs. <b>2006</b> , 18, 241-251		15
319	Engineering isoflavone metabolism with an artificial bifunctional enzyme. <b>2006</b> , 224, 496-507		56
318	Identification of differentially expressed genes in seeds of two near-isogenic Brassica napus lines with different oil content. <b>2006</b> , 224, 952-62		43

## (2008-2006)

317	Gene expression of stearoyl-ACP desaturase and delta12 fatty acid desaturase 2 is modulated during seed development of flax (Linum usitatissimum). <b>2006</b> , 41, 705-12		55
316	Plant breeding to change lipid composition for use in food. <b>2006</b> , 273-305		3
315	Storage reserve mobilisation and seedling establishment in Arabidopsis. <b>2006</b> , 4, e0100		23
314	Functional differences between galactolipids and glucolipids revealed in photosynthesis of higher plants. <b>2006</b> , 103, 7512-7		39
313	Targeted Profiling of Fatty Acids and Related Metabolites. <b>2006</b> , 211-228		1
312	Tung tree DGAT1 and DGAT2 have nonredundant functions in triacylglycerol biosynthesis and are localized to different subdomains of the endoplasmic reticulum. <b>2006</b> , 18, 2294-313		393
311	Soybean Proteomics. <b>2007</b> , 4, 182-186		4
310	The effects of down-regulating expression of Arabidopsis thaliana membrane-associated acyl-CoA binding protein 2 on acyl-lipid composition. <i>Plant Science</i> , <b>2007</b> , 172, 36-44	5.3	8
309	The production of unusual fatty acids in transgenic plants. <b>2007</b> , 58, 295-319		201
308	Malic enzyme: the controlling activity for lipid production? Overexpression of malic enzyme in Mucor circinelloides leads to a 2.5-fold increase in lipid accumulation. <i>Microbiology (United Kingdom)</i> , <b>2007</b> , 153, 2013-2025	2.9	215
307	Applications of Plant Metabolic Engineering. 2007,		11
306	Development and Practical Use of DNA Markers. <b>2007</b> , 45, 99-138		3
305	Differential proteomic analysis of four near-isogenic Brassica napus varieties bred for their erucic acid and glucosinolate contents. <b>2007</b> , 6, 1342-53		34
304	Metabolic Engineering in Sugarcane: Assisting the Transition to a Bio-based Economy. <b>2007</b> , 249-281		13
303	In vivo 13C NMR determines metabolic fluxes and steady state in linseed embryos. <b>2007</b> , 68, 2341-50		27
302	Crop proteomics: aim at sustainable agriculture of tomorrow. <b>2007</b> , 7, 2976-96		145
301	Increasing seed oil content in oil-seed rape (Brassica napus L.) by over-expression of a yeast glycerol-3-phosphate dehydrogenase under the control of a seed-specific promoter. <b>2007</b> , 5, 431-41		194
300	Engineering plant oils as high-value industrial feedstocks for biorefining: the need for underpinning cell biology research. <b>2008</b> , 132, 11-22		42

299	WRINKLED1 specifies the regulatory action of LEAFY COTYLEDON2 towards fatty acid metabolism during seed maturation in Arabidopsis. <i>Plant Journal</i> , <b>2007</b> , 50, 825-38	319
298	High expression of transgene protein in Spirodela. <b>2007</b> , 26, 1511-9	42
297	Metabolomics for metabolically manipulated plants: effects of tryptophan overproduction. 2007, 3, 319-334	24
296	Expression profiles of genes involved in fatty acid and triacylglycerol synthesis in castor bean (Ricinus communis L.). <b>2007</b> , 42, 263-74	50
295	Metabolic engineering of fatty acid biosynthesis in Indian mustard (Brassica juncea) improves nutritional quality of seed oil. <b>2007</b> , 1, 185-197	18
294	Generation of transgenic plants of a potential oilseed crop Camelina sativa by Agrobacterium-mediated transformation. <b>2008</b> , 27, 273-8	217
293	Pongamia pinnata: An Untapped Resource for the Biofuels Industry of the Future. <b>2008</b> , 1, 2-11	186
292	Purification and proteomic characterization of plastids from Brassica napus developing embryos. <b>2008</b> , 8, 3397-405	24
291	Plant triacylglycerols as feedstocks for the production of biofuels. <i>Plant Journal</i> , <b>2008</b> , 54, 593-607 6.9	497
<b>2</b> 90	Plant Storage Lipids. 2008,	
289	Plants to power: bioenergy to fuel the future. <b>2008</b> , 13, 421-9	340
288	Genetic and molecular approaches to improve nutritional value of Brassica napus L. seed. <b>2008</b> , 331, 763-71	89
287	Carbon partitioning between oil and carbohydrates in developing oat (Avena sativa L.) seeds. <b>2008</b> , 59, 4247-57	39
286	Enzyme Engineering. <b>2008</b> , 29-47	1
285	Storage reserve accumulation in Arabidopsis: metabolic and developmental control of seed filling. <b>2008</b> , 6, e0113	145
284	LEAFY COTYLEDON1 is a key regulator of fatty acid biosynthesis in Arabidopsis. <i>Plant Physiology</i> , <b>2008</b> , 148, 1042-54	269
283	Oilseed Brassicas. <b>2008</b> , 83-124	
282	Sesame. <b>2008</b> , 227-246	5

# (2010-2009)

281	System analysis of an Arabidopsis mutant altered in de novo fatty acid synthesis reveals diverse changes in seed composition and metabolism. <i>Plant Physiology</i> , <b>2009</b> , 150, 27-41	6.6	50
<b>2</b> 80	Biosynthesis and Biotechnology of Seed Lipids Including Sterols, Carotenoids and Tocochromanols. <b>2009</b> , 407-444		8
279	Increasing the flow of carbon into seed oil. <b>2009</b> , 27, 866-878		209
278	Cloning and molecular characterization of the acyl-CoA: diacylglycerol acyltransferase 1 (DGAT1) gene from Echium. <b>2009</b> , 44, 555-68		25
277	Enhancement of lipid production using biochemical, genetic and transcription factor engineering approaches. <b>2009</b> , 141, 31-41		400
276	Regulation of de novo fatty acid synthesis in maturing oilseeds of Arabidopsis. 2009, 47, 448-55		141
275	Soybean proteomics and its application to functional analysis. <b>2009</b> , 72, 325-36		66
274	The biosynthesis of cutin and suberin as an alternative source of enzymes for the production of bio-based chemicals and materials. <b>2009</b> , 91, 685-91		32
273	Engineering Flax with the GT Family 1 Solanum sogarandinum Glycosyltransferase SsGT1 Confers Increased Resistance to Fusarium Infection. <b>2009</b> , 57, 6698-705		54
272	Molecular Genetic Approaches to Maize Improvement. 2009,		9
271	Fatty Acid Biosynthesis in Plants [Metabolic Pathways, Structure and Organization. 2009, 11-34		19
270	Production and Accumulation of Unusual Fatty Acids in Plant Tissues. <b>2010</b> , 43-56		
269	Chapter 12:Pongamia pinnata, a Sustainable Feedstock for Biodiesel Production. <b>2010</b> , 233-258		5
268	Genetic analysis and characterization of a new maize association mapping panel for quantitative trait loci dissection. <b>2010</b> , 121, 417-31		136
267	Increasing seed mass and oil content in transgenic Arabidopsis by the overexpression of wri1-like gene from Brassica napus. <b>2010</b> , 48, 9-15		122
266	Oil biosynthesis and its related variables in developing seeds of mustard (Brassica juncea L.) as influenced by sulphur fertilization. <b>2010</b> , 13, 39-46		4
265	A genome-wide survey of maize lipid-related genes: candidate genes mining, digital gene expression profiling and co-location with QTL for maize kernel oil. <b>2010</b> , 53, 690-700		14
264	Molecular cloning and characterization of a novel microsomal oleate desaturase gene DiFAD2 from Davidia involucrata Baill. <b>2010</b> , 54, 41-46		7

263	Comparative analysis of soybean plasma membrane proteins under osmotic stress using gel-based and LC MS/MS-based proteomics approaches. <b>2010</b> , 10, 1930-45		86
262	Draft genome sequence of the oilseed species Ricinus communis. <b>2010</b> , 28, 951-6		379
261	Tobacco as a production platform for biofuel: overexpression of Arabidopsis DGAT and LEC2 genes increases accumulation and shifts the composition of lipids in green biomass. <b>2010</b> , 8, 277-87		192
260	Vernonia DGATs increase accumulation of epoxy fatty acids in oil. <b>2010</b> , 8, 184-95		94
259	Expression of ZmLEC1 and ZmWRI1 increases seed oil production in maize. <i>Plant Physiology</i> , <b>2010</b> , 153, 980-7	6.6	234
258	Expression of rapeseed microsomal lysophosphatidic acid acyltransferase isozymes enhances seed oil content in Arabidopsis. <i>Plant Physiology</i> , <b>2010</b> , 152, 670-84	6.6	97
257	Biofuels: biomolecular engineering fundamentals and advances. <b>2010</b> , 1, 19-36		51
256	Metabolic Engineering of Pathways and Gene Discovery. <b>2010</b> , 275-306		1
255	Application of food and feed safety assessment principles to evaluate transgenic approaches to gene modulation in crops. <b>2010</b> , 48, 1773-90		74
254	Synthesis, properties and uses of bacterial storage lipid granules as naturally occurring nanoparticles. <b>2010</b> , 6, 4045		21
253	Variability in coconut (Cocos nucifera L.) germplasm and hybrids for fatty acid profile of oil. <b>2011</b> , 59, 13050-8		24
252	Comprehensive analysis of mitochondria in roots and hypocotyls of soybean under flooding stress using proteomics and metabolomics techniques. <b>2011</b> , 10, 3993-4004		122
251	Fatty acid composition of several wild microalgae and cyanobacteria, with a focus on eicosapentaenoic, docosahexaenoic and Elinolenic acids for eventual dietary uses. <b>2011</b> , 44, 2721-2729		81
250	Efficient free fatty acid production in Escherichia coli using plant acyl-ACP thioesterases. <i>Metabolic Engineering</i> , <b>2011</b> , 13, 713-22	9.7	105
249	Increasing the energy density of vegetative tissues by diverting carbon from starch to oil biosynthesis in transgenic Arabidopsis. <b>2011</b> , 9, 874-83		138
248	Engineering plastid fatty acid biosynthesis to improve food quality and biofuel production in higher plants. <b>2011</b> , 9, 554-64		40
247	Cofactome analyses reveal enhanced flux of carbon into oil for potential biofuel production. <i>Plant Journal</i> , <b>2011</b> , 67, 1018-28	6.9	27
246	SSR-based linkage map of flax (Linum usitatissimum L.) and mapping of QTLs underlying fatty acid composition traits. <b>2011</b> , 28, 437-451		85

245	Increasing fatty acid production in E. coli by simulating the lipid accumulation of oleaginous microorganisms. <b>2011</b> , 38, 919-25		47	
244	Isolation and characterization of fatty acid desaturase genes from peanut (Arachis hypogaea L.). <b>2011</b> , 30, 1393-404		57	
243	Identification of differentially expressed genes in Flammulina velutipes with anti-tyrosinase activity. <b>2011</b> , 62, 452-7		4	
242	Characterization of a KCS-like KASII from Jessenia bataua that elongates saturated and monounsaturated stearic acids in Arabidopsis thaliana. <b>2011</b> , 48, 97-108		4	
241	Modifications of the metabolic pathways of lipid and triacylglycerol production in microalgae. <b>2011</b> , 10, 91		139	
240	Comparative proteomics of seed maturation in oilseeds reveals differences in intermediary metabolism. <b>2011</b> , 11, 1619-29		30	
239	Lipid Biosynthesis. <b>2011</b> , 27-65		2	
238	An in silico compartmentalized metabolic model of Brassica napus enables the systemic study of regulatory aspects of plant central metabolism. <b>2011</b> , 108, 1673-82		46	
237	Enhanced seed oil production in canola by conditional expression of Brassica napus LEAFY COTYLEDON1 and LEC1-LIKE in developing seeds. <i>Plant Physiology</i> , <b>2011</b> , 156, 1577-88	6.6	150	
236	BACK MATTER. <b>2011</b> , 383-428			
235	Genome-scale identification and analysis of acetyl-coenzyme a carboxylase genes in Arabidopsis and soybean. <b>2011</b> ,			
234	Nonsymbiotic hemoglobin-2 leads to an elevated energy state and to a combined increase in polyunsaturated fatty acids and total oil content when overexpressed in developing seeds of transgenic Arabidopsis plants. <i>Plant Physiology</i> , <b>2011</b> , 155, 1435-44	6.6	63	
233	The BnGRF2 gene (GRF2-like gene from Brassica napus) enhances seed oil production through regulating cell number and plant photosynthesis. <b>2012</b> , 63, 3727-40		83	
232	Phosphoproteomic analysis of seed maturation in Arabidopsis, rapeseed, and soybean. <i>Plant Physiology</i> , <b>2012</b> , 159, 517-28	6.6	79	
231	Phylogenomic study of lipid genes involved in microalgal biofuel production-candidate gene mining and metabolic pathway analyses. <b>2012</b> , 8, 545-64		22	
230	Metabolic Engineering of Cyanobacteria for Direct Conversion of CO2 to Hydrocarbon Biofuels. <b>2012</b> , 81-93		11	
229	In silico identification and comparative genomics of candidate genes involved in biosynthesis and accumulation of seed oil in plants. <b>2012</b> , 2012, 914843		24	
228	Predictive modeling of biomass component tradeoffs in Brassica napus developing oilseeds based on in silico manipulation of storage metabolism. <i>Plant Physiology</i> , <b>2012</b> , 160, 1218-36	6.6	38	

227	Natural variation in seed very long chain fatty acid content is controlled by a new isoform of KCS18 in Arabidopsis thaliana. <i>PLoS ONE</i> , <b>2012</b> , 7, e49261	3.7	15
226	Altered seed oil and glucosinolate levels in transgenic plants overexpressing the Brassica napus SHOOTMERISTEMLESS gene. <b>2012</b> , 63, 4447-61		21
225	Engineering synthetic recursive pathways to generate non-natural small molecules. <b>2012</b> , 8, 518-26		46
224	Vernonia DGATs can complement the disrupted oil and protein metabolism in epoxygenase-expressing soybean seeds. <i>Metabolic Engineering</i> , <b>2012</b> , 14, 29-38	9.7	52
223	Proteomic analysis of soybean defense response induced by cotton worm (prodenia litura, fabricius) feeding. <b>2012</b> , 10, 16		15
222	Molecular mapping of Arabidopsis thaliana lipid-related orthologous genes in Brassica napus. <b>2012</b> , 124, 407-21		50
221	Large-scale sequencing of normalized full-length cDNA library of soybean seed at different developmental stages and analysis of the gene expression profiles based on ESTs. <b>2012</b> , 39, 2867-74		11
220	Lower Levels of Expression of FATA2 Gene Promote Longer Siliques with Modified Seed Oil Content in Arabidopsis thaliana. <b>2013</b> , 31, 1368-1375		4
219	Metabolic Engineering of Plant Cellular Metabolism: Methodologies, Advances, and Future Directions. <b>2013</b> , 359-393		3
218	Genetic variation of six desaturase genes in flax and their impact on fatty acid composition. <b>2013</b> , 126, 2627-41		39
217	Two fatty acid elongases possessing C18-B/C18-D/C20-B or C16-D elongase activity in Thraustochytrium sp. ATCC 26185. <b>2013</b> , 15, 476-86		13
216	Molecular modeling of Acetyl-CoA carboxylase (ACC) from Jatropha curcas and virtual screening for identification of inhibitors. <b>2013</b> , 6, 913-918		10
215	Proteomic analysis of the seed development in Jatropha curcas: from carbon flux to the lipid accumulation. <b>2013</b> , 91, 23-40		26
214	Reducing saturated fatty acids in Arabidopsis seeds by expression of a Caenorhabditis elegans 16:0-specific desaturase. <b>2013</b> , 11, 480-9		9
213	Evaluation of fatty acid composition among selected amaranth grains grown in two consecutive years. <b>2013</b> , 68, 641-650		16
212	Genome-wide association study dissects the genetic architecture of oil biosynthesis in maize kernels. <b>2013</b> , 45, 43-50		510
211	Genetic diversity, seed traits and salinity tolerance of Millettia pinnata (L.) Panigrahi, a biodiesel tree. <b>2013</b> , 60, 677-692		17
210	Proteomic and comparative genomic analysis of two Brassica napus lines differing in oil content. <b>2013</b> , 12, 4965-78		25

209	Molecular Cloning and Characterization of Three Novel Genes Related to Fatty Acid Degradation and Their Responses to Abiotic Stresses in Gossypium hirsutum L <b>2013</b> , 12, 582-588	3
208	Metabolic engineering with plants for a sustainable biobased economy. <b>2013</b> , 4, 211-37	21
207	Comprehensive guide to acetyl-carboxylases in algae. <b>2013</b> , 33, 49-65	71
206	Engineering fatty acid biosynthesis in microalgae for sustainable biodiesel. <b>2013</b> , 17, 496-505	101
205	Effect of auxin physiological analogues on rapeseed (Brassica napus) cold hardening, seed yield and quality. <b>2013</b> , 126, 283-92	12
204	AtABCA9 transporter supplies fatty acids for lipid synthesis to the endoplasmic reticulum. <b>2013</b> , 110, 773-8	82
203	Genetic and Genomic Analysis of the Tree Legume Pongamia pinnata as a Feedstock for Biofuels. <b>2013</b> , 6, plantgenome2013.05.0015	14
202	Effects of specific organs on seed oil accumulation in Brassica napus L. <i>Plant Science</i> , <b>2014</b> , 227, 60-8 5.3	16
201	Coexpressing Escherichia coli cyclopropane synthase with Sterculia foetida Lysophosphatidic acid acyltransferase enhances cyclopropane fatty acid accumulation. <i>Plant Physiology</i> , <b>2014</b> , 164, 455-65	31
200	Transcriptional regulation of fatty acid production in higher plants: Molecular bases and biotechnological outcomes. <b>2014</b> , 116, 1332-1343	58
199	Characterization of a stearoyl-acyl carrier protein desaturase gene from potential biofuel plant, Pongamia pinnata L. <b>2014</b> , 542, 113-21	9
198	Metabolic Engineering and Molecular Biotechnology of Microalgae for Fuel Production. <b>2014</b> , 47-65	4
197	Evolution of acyl-ACP-thioesterases and Eketoacyl-ACP-synthases revealed by protein-protein interactions. <b>2014</b> , 26, 1619-1629	16
196	Soybean GmMYB73 promotes lipid accumulation in transgenic plants. <b>2014</b> , 14, 73	57
195	Long Chain Acyl-Coenzyme A Synthetase 4 (BnLACS4) Gene from Brassica napus Enhances the Yeast Lipid Contents. <b>2014</b> , 13, 54-62	11
194	Advances in the Production of High-Value Products by Microalgae. <b>2014</b> , 10, 169-183	163
193	Biochemistry of high stearic sunflower, a new source of saturated fats. <b>2014</b> , 55, 30-42	22
192	RNAi knockdown of fatty acid elongase1 alters fatty acid composition in Brassica napus. <b>2015</b> , 466, 518-22	14

191	Sunlight Induces Black Color and Increases Flavonoid Levels in the Grain of Sorghum Line Tx3362. <b>2015</b> , 55, 1703-1711		2
190	Light intensity and N/P nutrient affect the accumulation of lipid and unsaturated fatty acids by Chlorella sp. <b>2015</b> , 191, 385-90		17
189	Toward production of jet fuel functionality in oilseeds: identification of FatB acyl-acyl carrier protein thioesterases and evaluation of combinatorial expression strategies in Camelina seeds. <b>2015</b> , 66, 4251-65		57
188	Genetic Engineering Tools for Enhancing Lipid Production in Microalgae. <b>2015</b> , 119-127		
187	Waste Remediation Integrating with Value Addition: Biorefinery Approach Towards Sustainable Bio-based Technologies. <b>2015</b> , 231-256		3
186	Multivesicular bodies differentiate exclusively in nutritive fast-dividing cells in Marcetia taxifolia galls. <b>2015</b> , 252, 1275-83		19
185	ocsESTdb: a database of oil crop seed EST sequences for comparative analysis and investigation of a global metabolic network and oil accumulation metabolism. <b>2015</b> , 15, 19		7
184	Metabolic engineering toward enhanced LC-PUFA biosynthesis in Nannochloropsis oceanica: Overexpression of endogenous 12 desaturase driven by stress-inducible promoter leads to enhanced deposition of polyunsaturated fatty acids in TAG. <b>2015</b> , 11, 387-398		108
183	Genetic Engineering Strategies for Enhanced Biodiesel Production. <b>2015</b> , 57, 606-24		32
182	Alteration of Wax Ester Content and Composition in Euglena gracilis with Gene Silencing of 3-ketoacyl-CoA Thiolase Isozymes. <b>2015</b> , 50, 483-92		23
181	New insights into the genetic networks affecting seed fatty acid concentrations in Brassica napus. <b>2015</b> , 15, 91		33
180	Metabolic engineering of carbon and redox flow in the production of small organic acids. <b>2015</b> , 42, 403-22		38
179	Fatty acid biosynthesis revisited: structure elucidation and metabolic engineering. <b>2015</b> , 11, 38-59		119
178	Proteomic analysis of oil bodies in mature Jatropha curcas seeds with different lipid content. <b>2015</b> , 113, 403-14		23
177	Integrated and comparative proteomics of high-oil and high-protein soybean seeds. 2015, 172, 105-16		25
176	Vegetable Oil: Nutritional and Industrial Perspective. <b>2016</b> , 17, 230-40		39
175	Modulation of Medium-Chain Fatty Acid Synthesis in Synechococcus sp. PCC 7002 by Replacing FabH with a Chaetoceros Ketoacyl-ACP Synthase. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 690	2	9
174	Comprehensive metabolite profiling of Plantaginis Semen using ultra high performance liquid chromatography with electrospray ionization quadrupole time-of-flight tandem mass spectrometry coupled with elevated energy technique. <b>2016</b> , 39, 1842-52		12

## (2016-2016)

173	Transcriptome analysis revealed the dynamic oil accumulation in Symplocos paniculata fruit. <b>2016</b> , 17, 929		12
172	Metabolic engineering of sugarcane to accumulate energy-dense triacylglycerols in vegetative biomass. <b>2016</b> , 14, 661-9		104
171	Phosphate limitation promotes unsaturated fatty acids and arachidonic acid biosynthesis by microalgae Porphyridium purpureum. <b>2016</b> , 39, 1129-36		25
170	Building a Bio-Based Economy Through Waste Remediation. <b>2016</b> , 497-521		18
169	Acyl carrier proteins from sunflower (Helianthus annuus L.) seeds and their influence on FatA and FatB acyl-ACP thioesterase activities. <b>2016</b> , 244, 479-90		14
168	Histone acetyltransferase general control non-repressed protein 5 (GCN5) affects the fatty acid composition of Arabidopsis thaliana seeds by acetylating fatty acid desaturase3 (FAD3). <i>Plant</i> 6. <i>Journal</i> , <b>2016</b> , 88, 794-808	9	22
167	Biodiesel and Bioethanol from Microalgae. <b>2016</b> , 359-386		4
166	A Family of Negative Regulators Targets the Committed Step of de Novo Fatty Acid Biosynthesis. <b>2016</b> , 28, 2312-2325		29
165	Importance of Polyunsaturated Fatty Acids from Marine Algae. <b>2016</b> , 101-126		3
164	Oil Biosynthesis in Underground Oil-Rich Storage Vegetative Tissue: Comparison of Cyperus esculentus Tuber with Oil Seeds and Fruits. <b>2016</b> , 57, 2519-2540		20
163	Plant Storage Lipids. <b>2016</b> , 1-7		2
162	Metabolomics reveals significant variations in metabolites and correlations regarding the maturation of walnuts (Juglans regia L.). <b>2016</b> , 5, 829-36		38
161	De novo sequencing and characterization of seed transcriptome of the tree legume Millettia pinnata for gene discovery and SSR marker development. <b>2016</b> , 36, 1		13
160	A sunflower WRKY transcription factor stimulates the mobilization of seed-stored reserves during germination and post-germination growth. <b>2016</b> , 35, 1875-90		21
159	Molecular characterization of two type I acyl-CoA: diacylglycerol acyltransferase genes in maize. <b>2016</b> , 30, 453-461		2
158	Functional overexpression and characterization of lipogenesis-related genes in the oleaginous yeast Yarrowia lipolytica. <b>2016</b> , 100, 3781-98		67
157	Genome-Wide Association Study of Arabidopsis thaliana Identifies Determinants of Natural Variation in Seed Oil Composition. <b>2016</b> , 107, 248-56		18
156	Trends and novel strategies for enhancing lipid accumulation and quality in microalgae. <b>2016</b> , 55, 1-16		171

155	Camelina sativa: An ideal platform for the metabolic engineering and field production of industrial lipids. <b>2016</b> , 120, 9-16	67
154	Oilseed crops. <b>2017</b> , 1-18	2
153	Expression of the heterologous Dunaliella tertiolecta fatty acyl-ACP thioesterase leads to increased lipid production in Chlamydomonas reinhardtii. <b>2017</b> , 247, 60-67	39
152	Recent Advances and Future Prospects of Microalgal Lipid Biotechnology. <b>2017</b> , 1-37	4
151	The effect of BnTT8 on accumulation of seed storage reserves and tolerance to abiotic stresses during Arabidopsis seedling establishment. <b>2017</b> , 82, 271-280	5
150	Acyl Lipids. <b>2017</b> , 44-55	1
149	Genome-wide association mapping and Identification of candidate genes for fatty acid composition in Brassica napus L. using SNP markers. <b>2017</b> , 18, 232	52
148	Effect of molybdenum levels on photosynthetic characteristics, yield and seed quality of two oilseed rape (Brassica napus L.) cultivars. <b>2017</b> , 63, 137-144	10
147	Structural Insight into Acyl-ACP Thioesterase toward Substrate Specificity Design. 2017, 12, 2830-2836	21
146	Scale-up cultivation enhanced arachidonic acid accumulation by red microalgae Porphyridium purpureum. <b>2017</b> , 40, 1763-1773	9
145	Isolation and characterization of key contributors to the "kokumi" taste in soybean seeds. <b>2017</b> , 81, 2168-217	724
144	Depressed expression of FAE1 and FAD2 genes modifies fatty acid profiles and storage compounds accumulation in Brassica napus seeds. <i>Plant Science</i> , <b>2017</b> , 263, 177-182 $5.3$	22
143	Implications of glycerol metabolism for lipid production. <b>2017</b> , 68, 12-25	31
142	Genetic engineering of medium-chain-length fatty acid synthesis in for improved biodiesel production. <b>2017</b> , 29, 2811-2819	25
141	Fatty Acid- and Lipid-Mediated Signaling in Plant Defense. <b>2017</b> , 55, 505-536	140
140	Recent Developments on Genetic Engineering of Microalgae for Biofuels and Bio-Based Chemicals. <b>2017</b> , 12, 1600644	109
139	Integration of omics approaches to understand oil/protein content during seed development in oilseed crops. <b>2017</b> , 36, 637-652	30
138	Identification of a malonyl CoA-acyl carrier protein transacylase and its regulatory role in fatty acid biosynthesis in oleaginous microalga Nannochloropsis oceanica. <b>2017</b> , 64, 620-626	47

137	Engineering biosynthesis of high-value compounds in photosynthetic organisms. 2017, 37, 779-802	12
136	Transcriptome Analysis of Chilling-Imbibed Embryo Revealed Membrane Recovery Related Genes in Maize. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1978	13
135	Genetic Improvement of Oilseed Crops Using Modern Biotechnology. 2017,	10
134	Tuning of acyl-ACP thioesterase activity directed for tailored fatty acid synthesis. <b>2018</b> , 102, 3173-3182	15
133	An Evolutionary Perspective on Linoleic Acid Synthesis in Animals. <b>2018</b> , 45, 15-26	34
132	Over-expression of transcription factor GhWRI1 in upland cotton. <b>2018</b> , 62, 335-342	3
131	The MYB96 Transcription Factor Regulates Triacylglycerol Accumulation by Activating DGAT1 and PDAT1 Expression in Arabidopsis Seeds. <b>2018</b> , 59, 1432-1442	21
130	Biotin Attachment Domain-Containing Proteins Irreversibly Inhibit Acetyl CoA Carboxylase. <i>Plant Physiology</i> , <b>2018</b> , 177, 208-215	27
129	Diversity of Eglutamyl peptides and oligosaccharides, the "kokumi" taste enhancers, in seeds from soybean mini core collections. <b>2018</b> , 82, 507-514	7
128	A review on algae and plants as potential source of arachidonic acid. <b>2018</b> , 11, 3-13	68
127	Elucidating the substrate specificities of acyl-lipid thioesterases from diverse plant taxa. <b>2018</b> , 127, 104-118	5
126	The Xylulose 5-Phosphate/Phosphate Translocator Supports Triose Phosphate, but Not Phosphoenolpyruvate Transport Across the Inner Envelope Membrane of Plastids in Mutant Plants. $6.2$ Frontiers in Plant Science, <b>2018</b> , 9, 1461	5
125	Transcriptome Analysis of : A Revelation of Candidate Genes for Abiotic Stress Response and Terpenoid and Fatty Acid Biosyntheses. <b>2018</b> , 9, 505	8
124	iTRAQ-based quantitative tissue proteomic analysis of differentially expressed proteins (DEPs) in non-transgenic and transgenic soybean seeds. <b>2018</b> , 8, 17681	18
123	An integrated omics analysis reveals molecular mechanisms that are associated with differences in seed oil content between Glycine max and Brassica napus. <b>2018</b> , 18, 328	15
122	Oil, protein and fatty acid profiles of Brazilian soybean cultivars in multi-environmental trials. <b>2018</b> , 12, 686-698	7
121	Soybean Breeding on Seed Composition Trait. 2018,	

119	n-3 PUFA Sources (Precursor/Products): A Review of Current Knowledge on Rabbit. <b>2019</b> , 9,	16
118	Identification of SNP loci and candidate genes related to four important fatty acid composition in Brassica napus using genome wide association study. <i>PLoS ONE</i> , <b>2019</b> , 14, e0221578	10
117	Short Chain Fatty Acid Biosynthesis in Microalgae sp. PCC 7942. <b>2019</b> , 17,	15
116	Cre-mediated marker gene removal for production of biosafe commercial oilseed rape. <b>2019</b> , 41, 1	1
115	Tandem Mass Tag Based Quantitative Proteomics of Developing Sea Buckthorn Berries Reveals Candidate Proteins Related to Lipid Metabolism. <b>2019</b> , 18, 1958-1969	10
114	Fatty Acid Biosynthesis: Chain-Length Regulation and Control. <b>2019</b> , 20, 2298-2321	43
113	Current Research Developments on the Processing and Improvement of the Nutritional Quality of Rapeseed (Brassica napus L.). <b>2019</b> , 121, 1800045	10
112	H and C NMR data, occurrence, biosynthesis, and biological activity of Piper amides. <b>2019</b> , 57, 994-1070	8
111	Metabolic Engineering Prospects for Enhanced Green Fuel Production by Microalgae. <b>2019</b> , 211-220	
110	The Role of Microalgae in Wastewater Treatment. <b>2019</b> ,	2
109	JcMYB1, a Jatropha R2R3MYB Transcription Factor Gene, Modulates Lipid Biosynthesis in Transgenic Plants. <b>2019</b> , 60, 462-475	7
108	Deciphering key proteins of oil palm (Elaeis guineensis Jacq.) fruit mesocarp development by proteomics and chemometrics. <b>2019</b> , 40, 254-265	6
107	Effect of mcl-PHA synthesis in flax on plant mechanical properties and cell wall composition. <b>2019</b> , 28, 77-90	6
106	The influence of carbon limitation on growth of Heterosigma akashiwo: A case study in fatty acids composition. <b>2020</b> , 706, 135700	3
105	Lipids Composition in Plant Membranes. <b>2020</b> , 78, 401-414	21
104	Model-assisted identification of metabolic engineering strategies for Jatropha curcas lipid pathways. <i>Plant Journal</i> , <b>2020</b> , 104, 76-95	7
103	Docking of acetyl-CoA carboxylase to the plastid envelope membrane attenuates fatty acid production in plants. <b>2020</b> , 11, 6191	8
102	Functional analysis of Eketoacyl-CoA synthase from biofuel feedstock Thlaspi arvense reveals differences in the triacylglycerol biosynthetic pathway among Brassicaceae. <b>2020</b> , 104, 283-296	3

101	Functional Characterization of Lysophosphatidylcholine: Acyl-CoA Acyltransferase Genes From Sunflower (L.). <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 403	6.2	6
100	Identification and functional characterization of two acyl CoA:diacylglycerol acyltransferase 1 (DGAT1) genes from forage sorghum (Sorghum bicolor) embryo. <b>2020</b> , 176, 112405		4
99	The BADC and BCCP subunits of chloroplast acetyl-CoA carboxylase sense the pH changes of the light-dark cycle. <b>2020</b> , 295, 9901-9916		9
98	Towards model-driven characterization and manipulation of plant lipid metabolism. <b>2020</b> , 80, 101051		9
97	Two Plastid Fatty Acid Exporters Contribute to Seed Oil Accumulation in Arabidopsis. <i>Plant Physiology</i> , <b>2020</b> , 182, 1910-1919	6.6	8
96	Towards oilcane: Engineering hyperaccumulation of triacylglycerol into sugarcane stems. <b>2020</b> , 12, 476	-490	30
95	Environmental lipidomics: understanding the response of organisms and ecosystems to a changing world. <b>2020</b> , 16, 56		10
94	Abundant synthesis of long-chain polyunsaturated fatty acids in Eutreptiella sp. (Euglenozoa) revealed by chromatographic and transcriptomic analyses. <b>2021</b> , 57, 577-591		O
93	In Silico Analysis of Partial Fatty Acid Desaturase 2 cDNA From (Blanco) Airy Shaw <b>2021</b> , 15, 11779322	21100	57;47
92	Identification of tung tree FATB as a promoter of 18:3 fatty acid accumulation through hydrolyzing 18:0-ACP. <b>2021</b> , 145, 143-154		1
91	Identification, Classification, and Expression Analysis of the () Gene Family Related to Abiotic Stresses in Tomato. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
90	Increased expression of fatty acid and ABC transporters enhances seed oil production in camelina. <b>2021</b> , 14, 49		4
89	Speaking the language of lipids: the cross-talk between plants and pathogens in defence and disease. <b>2021</b> , 78, 4399-4415		7
88	Stable carbon isotope fractionation of fatty acid in sea cucumber (Apostichopus japonicus): insights from an experimental study. 1-13		
87	Single Nucleotide Polymorphism (SNP) Discovery and Association Study of Flowering Times, Crude Fat and Fatty Acid Composition in Rapeseed (Brassica napus L.) Mutant Lines Using Genotyping-by-Sequencing (GBS). <b>2021</b> , 11, 508		2
86	The Corylus mandshurica genome provides insights into the evolution of Betulaceae genomes and hazelnut breeding. <b>2021</b> , 8, 54		4
85	Integrative Modeling of Gene Expression and Metabolic Networks of Embryos for Identification of Seed Oil Causal Genes. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 642938	6.2	1
84	Updated Mechanisms of GCN5-The Monkey King of the Plant Kingdom in Plant Development and Resistance to Abiotic Stresses. <i>Cells</i> , <b>2021</b> , 10,	7.9	4

83	Evolutionary and biochemical characterization of a Chromochloris zofingiensis MBOAT with wax synthase and diacylglycerol acyltransferase activity. <b>2021</b> , 72, 5584-5598		6
82	Co-expressing lysophosphatidic acid acyltransferase 2 and elongase improves two very long chain polyunsaturated fatty acid production in. <b>2021</b> , 12, e00171		1
81	Role of Nanoscale Hydroxyapatite in Disease Suppression of -Infected Tomato. <b>2021</b> , 55, 13465-13476		7
80	Transcriptional analyses of maize leaves in response to high-density planting.		O
79	A non-canonical <b>9</b> -desaturase synthesizing palmitoleic acid identified in the thraustochytrid Aurantiochytrium sp. T66. <b>2021</b> , 105, 5931-5941		3
78	Integrating omics approaches to discover and prioritize candidate genes involved in oil biosynthesis in soybean.		
77	Rare fatty acids and lipids in plant oilseeds: occurrence and bioactivity. 1		1
76	INTEGUMENT-SPECIFIC TRANSCRIPTIONAL REGULATION IN THE MID-STAGE OF FLAX SEED DEVELOPMENT INFLUENCES THE RELEASE OF MUCILAGE AND THE SEED OIL CONTENT.		
75	Integrating omics approaches to discover and prioritize candidate genes involved in oil biosynthesis in soybean. <b>2022</b> , 808, 145976		О
74	Key Applications of CRISPR/Cas for Yield and Nutritional Improvement. <b>2021</b> , 213-230		1
73	Genetic Transformation of Some Tropical Trees, Shrubs, and Tree-like Plants. 2006, 67-102		3
72	Genetic and Metabolic Engineering of Microalgae. <b>2016</b> , 317-344		3
71	Development of a High Oil Trait for Maize. <b>2009</b> , 303-323		10
70	Plants and Pharmaceuticals in the 21st Century. <b>2003</b> , 82-95		1
69	Temporal patterns of maternal, cytoplasmic and embryo genetic effects for thousand-seed weight and oil content in F1 hybrid rapeseed (Brassica napus L.). <i>Crop and Pasture Science</i> , <b>2010</b> , 61, 945	2.2	3
68	Analysis of triacylglycerol accumulation under nitrogen deprivation in the red alga Cyanidioschyzon merolae. <i>Microbiology (United Kingdom)</i> , <b>2016</b> , 162, 803-812	2.9	13
67	Optimization of triacylglycerol and starch production in Chlamydomonas debaryana NIES-2212 with regard to light intensity and CO2 concentration. <i>Microbiology (United Kingdom)</i> , <b>2018</b> , 164, 359-368	2.9	4
66	Molecular Strategies for Increasing Seed Oil Content. <b>2009</b> , 3-17		1

65	DNA Marker-Assisted Selection for Improvement of Soybean Oil Concentration and Quality. 2004,		4
64	Genetic Modification of Seed Oils for Industrial Applications. 2005,		2
63	Manipulating fatty acid biosynthesis in microalgae for biofuel through protein-protein interactions. <i>PLoS ONE</i> , <b>2012</b> , 7, e42949	3.7	96
62	Identification and expression of fructose-1,6-bisphosphate aldolase genes and their relations to oil content in developing seeds of tea oil tree (Camellia oleifera). <i>PLoS ONE</i> , <b>2014</b> , 9, e107422	3.7	35
61	Construction of SSH Library with Different Stages of Seeds Development in Brassica napus L <i>Acta Agronomica Sinica(China)</i> , <b>2009</b> , 35, 1576-1583	1.4	3
60	Fatty Acids Production from Plants and Callus Cultures of Cereus peruvianus Mill. (Cactaceae). <i>Journal of Plant Sciences</i> , <b>2006</b> , 1, 368-373	0.2	3
59	Integument-Specific Transcriptional Regulation in the Mid-Stage of Flax Seed Development Influences the Release of Mucilage and the Seed Oil Content. <i>Cells</i> , <b>2021</b> , 10,	7.9	
58	GENETIC MODIFICATION OF PRIMARY METABOLISM   Acyl Lipids. 2003, 464-477		
57	Genetic Engineering for Enhancing Plant Productivity and Stress Tolerance. <i>Books in Soils, Plants, and the Environment</i> , <b>2004</b> ,		
56	Control and Silencing of Transgene Expression.		1
55	Improving the Nutritional Value of Cereal Grains Using a Genomic Approach. <i>Nutrition and Disease Prevention</i> , <b>2004</b> , 317-329		
54	Genetically Engineered Oils. 2005,		
53	Transgenic Oils.		
52	Interactions of Microbes with Genetically Modified Plants. 2008, 179-196		
51	Metabolomics-Assisted Crop Breeding Towards Improvement in Seed Quality and Yield. <b>2012</b> , 453-475		
50	Improving Quality and Content of Oils in Seeds: Strategies, Approaches, and Applications Towards Engineering New Oilseed Crop Plants. <b>2012</b> , 527-554		
49	Oilseed Brassicas. <b>2012</b> , 453-481		

47	revealed by chromatographic and transcriptomic analyses.			
46	Sorghum bicolor cultivars have divergent and dynamic gene regulatory networks that control the temporal expression of genes in stem tissue.		2	
45	A Differentially Expressed Gene from a High Oil Producer Cultivar of Castor Bean (<i>Ricinus communis</i>) Is Involved in the Biosynthesis of Ricinoleic Acid. <i>American Journal of Plant Sciences</i> , <b>2020</b> , 11, 393-412	0.5		
44	Genetic manipulation of microalgae for enhanced biotechnological applications. <b>2022</b> , 97-122		O	
43	Biotechnological approach for improvement of species as valuable oilseed plants for industrial purposes <i>RSC Advances</i> , <b>2022</b> , 12, 7168-7178	3.7		
42	Overexpression of pea Earboxyltransferase in Arabidopsis and Camelina increases fatty acid synthesis leading to improved seed oil content <i>Plant Journal</i> , <b>2022</b> ,	6.9	1	
41	Characterisation of two novel genes encoding Ifatty acid desaturases (CeSADs) for oleic acid accumulation in the oil-rich tuber of Cyperus esculentus <i>Plant Science</i> , <b>2022</b> , 319, 111243	5.3	О	
40	Regioselectivity mechanism of the Thunbergia alata 🛭 -16:0-acyl carrier protein desaturase. <i>Plant Physiology</i> , <b>2021</b> ,	6.6	О	
39	Heterologous Expression of and Affects Fatty Acid Accumulation and Promotes Plant Growth and Development in <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	О	
38	Image_1.PDF. <b>2018</b> ,			
37	lmage_2.PDF. <b>2018</b> ,			
36	Image_3.PDF. <b>2018</b> ,			
35	lmage_4.PDF. <b>2018</b> ,			
34	Image_5.PDF. <b>2018</b> ,			
33	Table_1.DOC. <b>2018</b> ,			
32	Table_10.DOC. <b>2018</b> ,			
31	Table_11.DOC. <b>2018</b> ,			
30	Table_12.DOC. <b>2018</b> ,			

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29	Table_13.DOC. <b>2018</b> ,		
28	Table_14.DOC. <b>2018</b> ,		
27	Table_15.DOC. <b>2018</b> ,		
26	Table_2.DOC. <b>2018</b> ,		
25	Table_3.DOC. <b>2018</b> ,		
24	Table_4.DOC. <b>2018</b> ,		
23	Table_5.DOC. <b>2018</b> ,		
22	Table_6.DOC. <b>2018</b> ,		
21	Table_7.DOC. <b>2018</b> ,		
20	Table_8.DOC. <b>2018</b> ,		
19	Table_9.DOC. <b>2018</b> ,		
18	Table_1.docx. <b>2018</b> ,		
17	Data_Sheet_1.pdf. <b>2018</b> ,		
16	Data_Sheet_2.PDF. <b>2018</b> ,		
15	Data_Sheet_1.docx. <b>2020</b> ,		
14	Bioprocess development for biolubricant production using non-edible oils, agro-industrial byproducts and wastes. <i>Journal of Cleaner Production</i> , <b>2022</b> , 357, 131956	10.3	2
13	Transcriptomic Analysis of the Molecular Response Mechanism of Microcystis aeruginosa to Iron Limitation Stress. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 1679	3	
12	A Strategy for Identification and Structural Characterization of Compounds from Plantago asiatica L. by Liquid Chromatography-Mass Spectrometry Combined with Ion Mobility Spectrometry. <i>Molecules</i> , <b>2022</b> , 27, 4302	4.8	1

11	Effective Mechanisms for Improving Seed Oil Production in Pennycress (Thlaspi arvense L.) Highlighted by Integration of Comparative Metabolomics and Transcriptomics. <i>Frontiers in Plant Science</i> , 13,	6.2	O
10	Three strategies of transgenic manipulation for crop improvement. 13,		O
9	24-Epibrassinolide Promotes Fatty Acid Accumulation and the Expression of Related Genes in Styrax tonkinensis Seeds. <b>2022</b> , 23, 8897		O
8	Metabolic engineering of energycane to hyperaccumulate lipids in vegetative biomass. <b>2022</b> , 22,		1
7	QTL Mapping of Palmitic Acid Content Using Specific-Locus Amplified Fragment Sequencing (SLAF-Seq) Genotyping in Soybeans (Glycine max L.). <b>2022</b> , 23, 11273		1
6	CRISPR/Cas9-Mediated Gene Editing of BnFAD2 and BnFAE1 Modifies Fatty Acid Profiles in Brassica napus. <b>2022</b> , 13, 1681		O
5	Transgenic approach: A Key to Enrich Soybean Oil Quality. <b>2022</b> , 203-213		О
4	The PPR protein RARE1-mediated editing of chloroplast accD transcripts is required for fatty acid biosynthesis and heat tolerance in Arabidopsis <b>2022</b> , 100461		O
3	CHAPTER 7. The Fatty Acid Value Chain. 2022, 272-328		O
2	Multi-omics integration to explore the molecular insight into the volatile organic compounds in watermelon. <b>2023</b> , 166, 112603		O
1	Investigation of mutation load and rate in androgenic mutant lines of rapeseed in early generations evaluated by high-density SNP genotyping. <b>2023</b> , 9, e14065		O