Kent D Chapman

List of Publications by Year
in descending order

180 papers	8,642 citations	34105 52 h-index	56724 83 g-index
183 all docs	183 docs citations	183 times ranked	6674 citing authors

#	Article	IF	Citations
1	Lipidomics reveals that adiposomes store ether lipids and mediate phospholipid traffic,. Journal of Lipid Research, 2007, 48, 837-847.	4.2	397
2	Compartmentation of Triacylglycerol Accumulation in Plants. Journal of Biological Chemistry, 2012, 287, 2288-2294.	3.4	391
3	Biogenesis and functions of lipid droplets in plants. Journal of Lipid Research, 2012, 53, 215-226.	4.2	333
4	An intimate collaboration between peroxisomes and lipid bodies. Journal of Cell Biology, 2006, 173, 719-731.	5.2	329
5	The yeast lipin orthologue Pah1p is important for biogenesis of lipid droplets. Journal of Cell Biology, 2011, 192, 1043-1055.	5.2	264
6	Metabolic engineering of biomass for high energy density: oilseedâ€like triacylglycerol yields from plant leaves. Plant Biotechnology Journal, 2014, 12, 231-239.	8.3	256
7	Phospholipase activity during plant growth and development and in response to environmental stress. Trends in Plant Science, 1998, 3, 419-426.	8.8	169
8	Identification of a New Class of Lipid Droplet-Associated Proteins in Plants Â Â Â. Plant Physiology, 2013, 162, 1926-1936.	4.8	167
9	Substrate Selectivities and Lipid Modulation of Plant Phospholipase DÎ±, -Î², and -Î³. Archives of Biochemistry and Biophysics, 1998, 353, 131-140.	3.0	150
10	Plant lipidomics: Discerning biological function by profiling plant complex lipids using mass spectrometry. Frontiers in Bioscience - Landmark, 2007, 12, 2494.	3.0	140
11	Drug evaluations using neuronal networks cultured on microelectrode arrays. Biosensors and Bioelectronics, 2000, 15, 383-396.	10.1	138
12	Arabidopsis SEIPIN Proteins Modulate Triacylglycerol Accumulation and Influence Lipid Droplet Proliferation. Plant Cell, 2015, 27, 2616-2636.	6.6	134
13	Turning Over a New Leaf in Lipid Droplet Biology. Trends in Plant Science, 2017, 22, 596-609.	8.8	126
14	Disruption of the <i>Arabidopsis</i> CGI-58 homologue produces Chanarinâ€"Dorfman-like lipid droplet accumulation in plants. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17833-17838.	7.1	125
15	Lipid Droplet-Associated Proteins (LDAPs) Are Required for the Dynamic Regulation of Neutral Lipid Compartmentation in Plant Cells. Plant Physiology, 2016, 170, 2052-2071.	4.8	125
16	Matrix assisted laser desorption/ionization-mass spectrometry imaging (MALDI-MSI) for direct visualization of plant metabolites in situ. Current Opinion in Biotechnology, 2016, 37, 53-60.	6.6	117
17	Spatial Mapping of Lipids at Cellular Resolution in Embryos of Cotton. Plant Cell, 2012, 24, 622-636.	6.6	114
18	Occurrence, metabolism, and prospective functions of N-acylethanolamines in plants. Progress in Lipid Research, 2004, 43, 302-327.	11.6	109

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19	Emerging physiological roles for N-acylphosphatidylethanolamine metabolism in plants: signal transduction and membrane protection. Chemistry and Physics of Lipids, 2000, 108, 221-229.	3.2	106
20	Commentary: Why donâ€™t plant leaves get fat?. Plant Science, 2013, 207, 128-134.	3.6	100
21	Acquisition of membrane lipids by differentiating glyoxysomes: role of lipid bodies.. Journal of Cell Biology, 1991, 115, 995-1007.	5.2	92
22	Differential effects of two phospholipase D inhibitors, 1-butanol and N-acylethanolamine, on in vivo cytoskeletal organization and Arabidopsis seedling growth. Protoplasma, 2005, 226, 109-123.	2.1	92
23	Imaging heterogeneity of membrane and storage lipids in transgenic <i><scp>C</scp>amelina sativa</i> seeds with altered fatty acid profiles. Plant Journal, 2013, 76, 138-150.	5.7	84
24	Molecular cloning and functional expression of the gene for a cotton Î”-12 fatty acid desaturase (FAD2). Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2001, 1522, 122-129.	2.4	83
25	Elevated levels of N-lauroylethanolamine, an endogenous constituent of desiccated seeds, disrupt normal root development in Arabidopsis thaliana seedlings. Planta, 2003, 217, 206-217.	3.2	80
26	Identification and expression of a new delta-12 fatty acid desaturase (FAD2-4) gene in upland cotton and its functional expression in yeast and Arabidopsis thaliana plants. Plant Physiology and Biochemistry, 2009, 47, 462-471.	5.8	79
27	Tailoring seed oil composition in the real world: optimising omega-3 long chain polyunsaturated fatty acid accumulation in transgenic Camelina sativa. Scientific Reports, 2017, 7, 6570.	3.3	79
28	N-Acylethanolamines: Formation and Molecular Composition of a New Class of Plant Lipids1. Plant Physiology, 1998, 116, 1163-1168.	4.8	77
29	Manipulation of Arabidopsis fatty acid amide hydrolase expression modifies plant growth and sensitivity to N-acylethanolamines. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12197-12202.	7.1	77
30	The Î±/Î² Hydrolase CGI-58 and Peroxisomal Transport Protein PXA1 Coregulate Lipid Homeostasis and Signaling in <i>Arabidopsis</i> Â. Plant Cell, 2013, 25, 1726-1739.	6.6	77
31	Transgenic cotton plants with increased seed oleic acid content. JAOCS, Journal of the American Oil Chemists' Society, 2001, 78, 941-947.	1.9	76
32	N-Acylphosphatidylethanolamine Synthesis in Plants: Occurrence, Molecular Composition, and Phospholipid Origin. Archives of Biochemistry and Biophysics, 1993, 301, 21-33.	3.0	74
33	Visualization of Lipid Droplet Composition by Direct Organelle Mass Spectrometry. Journal of Biological Chemistry, 2011, 286, 3298-3306.	3.4	74
34	Two Acyltransferases Contribute Differently to Linolenic Acid Levels in Seed Oil. Plant Physiology, 2017, 173, 2081-2095.	4.8	74
35	Temperature-sensitive Post-translational Regulation of Plant Omega-3 Fatty-acid Desaturases Is Mediated by the Endoplasmic Reticulum-associated Degradation Pathway. Journal of Biological Chemistry, 2010, 285, 21781-21796.	3.4	72
36	Spatial and Temporal Mapping of Key Lipid Species in <i>Brassica napus</i> Seeds. Plant Physiology, 2017, 173, 1998-2009.	4.8	72

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37	Identification and quantification of glycerolipids in cotton fibers: Reconciliation with metabolic pathway predictions from DNA databases. Lipids, 2005, 40, 773-785.	1.7	71
38	Lipidomics in situ: Insights into plant lipid metabolism from high resolution spatial maps of metabolites. Progress in Lipid Research, 2014, 54, 32-52.	11.6	71
39	Arabidopsis lipid dropletâ€associated protein (LDAP) â€" interacting protein (<scp>LDIP</scp>) influences lipid droplet size and neutral lipid homeostasis in both leaves and seeds. Plant Journal, 2017, 92, 1182-1201.	5.7	71
40	Inhibition of Phospholipase DÎ± byN-Acylethanolamines. Plant Physiology, 2002, 129, 1892-1898.	4.8	70
41	Mechanisms of lipid droplet biogenesis. Biochemical Journal, 2019, 476, 1929-1942.	3.7	68
42	N-Acylethanolamines in Seeds. Quantification of Molecular Species and Their Degradation upon Imbibition1. Plant Physiology, 1999, 120, 1157-1164.	4.8	67
43	The <i>N</i>â€Acylethanolamineâ€Mediated Regulatory Pathway in Plants. Chemistry and Biodiversity, 2007, 4, 1933-1955.	2.1	67
44	Spatial analysis of lipid metabolites and expressed genes reveals tissueâ€specific heterogeneity of lipid metabolism in highâ€and lowâ€oil <i>Brassica napus</i> L. seeds. Plant Journal, 2018, 94, 915-932.	5.7	66
45	N-Acylethanolamines in Signal Transduction of Elicitor Perception. Attenuation of Alkalinization Response and Activation of Defense Gene Expression. Plant Physiology, 1999, 121, 1299-1308.	4.8	65
46	Biochemical and Molecular Inhibition of Plastidial Carbonic Anhydrase Reduces the Incorporation of Acetate into Lipids in Cotton Embryos and Tobacco Cell Suspensions and Leaves. Plant Physiology, 2002, 128, 1417-1427.	4.8	65
47	<i>N</i>-Acylethanolamine Metabolism Interacts with Abscisic Acid Signaling in<i>Arabidopsis thaliana</i>Seedlings. Plant Cell, 2007, 19, 2454-2469.	6.6	64
48	Lipid droplets in plants and algae: Distribution, formation, turnover and function. Seminars in Cell and Developmental Biology, 2020, 108, 82-93.	5.0	63
49	Molecular Identification of a Functional Homologue of the Mammalian Fatty Acid Amide Hydrolase in Arabidopsis thaliana. Journal of Biological Chemistry, 2003, 278, 34990-34997.	3.4	61
50	<i>N</i>â€Acylethanolamines: lipid metabolites with functions in plant growth and development. Plant Journal, 2014, 79, 568-583.	5.7	60
51	Overexpression of a fatty acid amide hydrolase compromises innate immunity in Arabidopsis. Plant Journal, 2008, 56, 336-349.	5.7	58
52	The seeds of green energy: Expanding the contribution of plant oils as biofuels. Biochemist, 2011, 33, 34-38.	0.5	57
53	N-acylethanolamines in seeds of selected legumes. Phytochemistry, 2005, 66, 1913-1918.	2.9	56
54	Lipid droplet-associated proteins (LDAPs) are involved in the compartmentalization of lipophilic compounds in plant cells. Plant Signaling and Behavior, 2013, 8, e27141.	2.4	55

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55	The genome of jojoba (<i>Simmondsia chinensis</i>): A taxonomically isolated species that directs wax ester accumulation in its seeds. Science Advances, 2020, 6, eaay3240.	10.3	53
56	N-Acylphosphatidylethanolamine in Dry and Imbibing Cottonseeds (Amounts, Molecular Species, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.8	51
57	Lipidomics in tissues, cells and subcellular compartments. Plant Journal, 2012, 70, 69-80.	5.7	51
58	Rapid in-vitro plant regeneration of cotton (Gossypium hirsutum L.). Plant Cell Reports, 1998, 17, 273-278.	5.6	48
59	The impact of seed size and chemical composition on seedling vigor, yield, and fiber quality of cotton in five production environments. Field Crops Research, 2016, 193, 186-195.	5.1	45
60	N-Acylethanolamines Are Metabolized by Lipoxygenase and Amidohydrolase in Competing Pathways during Cottonseed Imbibition. Plant Physiology, 2002, 130, 391-401.	4.8	44
61	Effects of Nitrogen and Planting Seed Size on Cotton Growth, Development, and Yield. Agronomy Journal, 2013, 105, 1853-1859.	1.8	44
62	Discontinuous fatty acid elongation yields hydroxylated seed oil with improved function. Nature Plants, 2018, 4, 711-720.	9.3	43
63	Catalytic Properties of a Newly Discovered Acyltransferase That Synthesizes N-Acylphosphatidylethanolamine in Cottonseed (Gossypium hirsutum L.) Microsomes. Plant Physiology, 1993, 102, 761-769.	4.8	42
64	Fatty acid amide lipid mediators in plants. Plant Science, 2010, 178, 411-419.	3.6	42
65	Genome-wide analysis of the omega-3 fatty acid desaturase gene family in Gossypium. BMC Plant Biology, 2014, 14, 312.	3.6	41
66	SEIPIN Isoforms Interact with the Membrane-Tethering Protein VAP27-1 for Lipid Droplet Formation. Plant Cell, 2020, 32, 2932-2950.	6.6	39
67	Mouse fat storageâ€inducing transmembrane protein 2 (<scp>FIT</scp>2) promotes lipid droplet accumulation in plants. Plant Biotechnology Journal, 2017, 15, 824-836.	8.3	37
68	Three-dimensional visualization of membrane phospholipid distributions in Arabidopsis thaliana seeds: A spatial perspective of molecular heterogeneity. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 268-281.	2.4	36
69	The neuroprotective properties of palmitoylethanolamine against oxidative stress in a neuronal cell line. Molecular Neurodegeneration, 2009, 4, 50.	10.8	35
70	Lipid Profiling Reveals Tissueâ€Specific Differences for Ethanolamide Lipids in Mice Lacking Fatty Acid Amide Hydrolase. Lipids, 2010, 45, 863-875.	1.7	34
71	N-Acylethanolamine Signaling in Tobacco Is Mediated by a Membrane-Associated, High-Affinity Binding Protein. Plant Physiology, 2003, 131, 1781-1791.	4.8	33
72	Nature-Guided Synthesis of Advanced Bio-Lubricants. Scientific Reports, 2019, 9, 11711.	3.3	33

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73	Metabolism of Cottonseed Microsomal N-Acylphosphatidylethanolamine. Archives of Biochemistry and Biophysics, 1995, 318, 401-407.	3.0	32
74	Overexpression of Fatty Acid Amide Hydrolase Induces Early Flowering in Arabidopsis thaliana. Frontiers in Plant Science, 2012, 3, 32.	3.6	32
75	Ethanolamide Oxylipins of Linolenic Acid Can Negatively Regulate <i>Arabidopsis</i> Seedling Development Â. Plant Cell, 2013, 25, 3824-3840.	6.6	32
76	Identification of bottlenecks in the accumulation of cyclic fatty acids in camelina seed oil. Plant Biotechnology Journal, 2018, 16, 926-938.	8.3	32
77	Simultaneous Quantification of Oil and Protein in Cottonseed by Lowâ€Field Timeâ€Domain Nuclear Magnetic Resonance. JAOCS, Journal of the American Oil Chemists' Society, 2011, 88, 1521-1529.	1.9	31
78	LDIP cooperates with SEIPIN and LDAP to facilitate lipid droplet biogenesis in Arabidopsis. Plant Cell, 2021, 33, 3076-3103.	6.6	31
79	Lipid signaling in plants. Frontiers in Plant Science, 2013, 4, 216.	3.6	30
80	A rapid phospholipase D assay using zirconium precipitation of anionic substrate phospholipids: application to N-acylethanolamine formation in vitro. Journal of Lipid Research, 2000, 41, 1532-1538.	4.2	30
81	The endocannabinoid system. Essays in Biochemistry, 2020, 64, 485-499.	4.7	30
82	Lipoxygenase-mediated Oxidation of Polyunsaturated N-Acylethanolamines in Arabidopsis. Journal of Biological Chemistry, 2011, 286, 15205-15214.	3.4	29
83	Engineering the production of conjugated fatty acids in <i>Arabidopsis thaliana</i> leaves. Plant Biotechnology Journal, 2017, 15, 1010-1023.	8.3	29
84	Rapid purification of cotton seed membrane-bound N-acylphosphatidylethanolamine synthase by immobilized artificial membrane chromatography. Journal of Chromatography A, 1995, 696, 49-62.	3.7	28
85	Modified oleic cottonseeds show altered content, composition and tissue-specific distribution of triacylglycerol molecular species. Biochimie, 2014, 96, 28-36.	2.6	28
86	A glossary of plant cell structures: Current insights and future questions. Plant Cell, 2022, 34, 10-52.	6.6	27
87	Differential estrogenic activities of male and female plant extracts from two dioecious species. Plant Science, 1995, 109, 31-43.	3.6	26
88	Developmental, tissue-specific, and environmental factors regulate the biosynthesis of N-acylphosphatidyl-ethanolamine in cotton (Gossypium hirsutum L.). Journal of Plant Physiology, 1996, 149, 277-284.	3.5	26
89	Evidence that Mono-ADP-Ribosylation of CtBP1/BARS Regulates Lipid Storage. Molecular Biology of the Cell, 2007, 18, 3015-3025.	2.1	26
90	Lipidomic analysis of N-acylphosphatidylethanolamine molecular species in Arabidopsis suggests feedback regulation by N-acylethanolamines. Planta, 2012, 236, 809-824.	3.2	26

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91	Metabolite Imager: customized spatial analysis of metabolite distributions in mass spectrometry imaging. Metabolomics, 2014, 10, 337-348.	3.0	26
92	Nondestructive Measurements of Cottonseed Nutritional Trait Diversity in the U.S. National Cotton Germplasm Collection. Crop Science, 2015, 55, 770-782.	1.8	25
93	Lipoxygenaseâ€derived 9â€hydro(pero)xides of linoleoylethanolamide interact with <scp>ABA</scp> signaling to arrest root development during Arabidopsis seedling establishment. Plant Journal, 2015, 82, 315-327.	5.7	25
94	CRISPR/Cas9-Induced fad2 and rod1 Mutations Stacked With fae1 Confer High Oleic Acid Seed Oil in Pennycress (Thlaspi arvense L.). Frontiers in Plant Science, 2021, 12, 652319.	3.6	25
95	Characterization of a Palmitoyl-Acyl Carrier Protein Thioesterase (FatB1) in Cotton. Plant and Cell Physiology, 1999, 40, 155-163.	3.1	24
96	Reduced Oil Accumulation in Cottonseeds Transformed with a<i>Brassica</i>Nonfunctional Allele of a Deltaâ€12 Fatty Acid Desaturase (<i>FAD2</i>). Crop Science, 2008, 48, 1470-1481.	1.8	24
97	Mutations in Arabidopsis Fatty Acid Amide Hydrolase Reveal That Catalytic Activity Influences Growth but Not Sensitivity to Abscisic Acid or Pathogens. Journal of Biological Chemistry, 2009, 284, 34065-34074.	3.4	24
98	Plant fatty acid (ethanol) amide hydrolases. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 324-334.	2.4	23
99	Nanomanipulation-Coupled Matrix-Assisted Laser Desorption/ Ionization-Direct Organelle Mass Spectrometry: A Technique for the Detailed Analysis of Single Organelles. Journal of the American Society for Mass Spectrometry, 2016, 27, 187-193.	2.8	23
100	Benefits of low kenaf loading in biobased composites of poly(<scp>L</scp>â€lactide) and kenaf fiber. Journal of Applied Polymer Science, 2009, 112, 1294-1301.	2.6	22
101	Lauroylethanolamide and linoleoylethanolamide improve functional outcome in a rodent model for stroke. Neuroscience Letters, 2011, 492, 134-138.	2.1	22
102	<i>N</i> -Acylethanolamine (NAE) inhibits growth in <i>Arabidopsis thaliana</i> seedlings via ABI3-dependent and -independent pathways. Plant Signaling and Behavior, 2011, 6, 671-679.	2.4	22
103	Lipidomic Analysis of Endocannabinoid Signaling: Targeted Metabolite Identification and Quantification. Neural Plasticity, 2016, 2016, 1-13.	2.2	22
104	Lipid metabolites in seeds of diverse Gossypium accessions: molecular identification of a high oleic mutant allele. Planta, 2017, 245, 595-610.	3.2	22
105	MALDI-MS Imaging of Urushiols in Poison Ivy Stem. Molecules, 2017, 22, 711.	3.8	21
106	Tissue-specific differences in metabolites and transcripts contribute to the heterogeneity of ricinoleic acid accumulation in Ricinus communis L. (castor) seeds. Metabolomics, 2019, 15, 6.	3.0	21
107	Bridging Traditional and Molecular Genetics in Modifying Cottonseed Oil. , 2009, , 353-382.		21
108	N-Palmitoylethanolamine depot injection increased its tissue levels and those of other acylethanolamide lipids. Drug Design, Development and Therapy, 2013, 7, 747.	4.3	20

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109	Fatty Acid Amide Hydrolases: An Expanded Capacity for Chemical Communication?. Trends in Plant Science, 2020, 25, 236-249.	8.8	20
110	Cellular Plasticity in Response to Suppression of Storage Proteins in the Brassica napus Embryo. Plant Cell, 2020, 32, 2383-2401.	6.6	19
111	Increased N-acylphosphatidylethanolamine biosynthesis in elicitor-treated tobacco cells. Physiologia Plantarum, 1995, 95, 120-126.	5.2	18
112	Modification of starch metabolism in transgenic <i>Arabidopsis thaliana</i> increases plant biomass and triples oilseed production. Plant Biotechnology Journal, 2016, 14, 976-985.	8.3	18
113	Relationship between Cottonseed Malate Synthase Aggregation Behavior and Suborganellar Location in Glyoxysomes and Endoplasmic Reticulum. Plant Physiology, 1989, 89, 352-359.	4.8	17
114	Production of tocotrienols in seeds of cotton (<i>Gossypium hirsutum</i> L.) enhances oxidative stability and offers nutraceutical potential. Plant Biotechnology Journal, 2021, 19, 1268-1282.	8.3	17
115	Lauroylethanolamide is a potent competitive inhibitor of lipoxygenase activity. FEBS Letters, 2010, 584, 3215-3222.	2.8	16
116	Genetic Analysis of Cottonseed Protein and Oil in a Diverse Cotton Germplasm. Crop Science, 2016, 56, 2457-2464.	1.8	16
117	Arabidopsis thaliana EARLY RESPONSIVE TO DEHYDRATION 7 Localizes to Lipid Droplets via Its Senescence Domain. Frontiers in Plant Science, 2021, 12, 658961.	3.6	16
118	Enzymology of cottonseed microsomal N-acylphosphatidylethanolamine synthase: Kinetic properties and mechanism-based inactivation. Lipids and Lipid Metabolism, 1998, 1390, 21-36.	2.6	15
119	Expression of a Gossypium hirsutum cDNA encoding a FatB palmitoyl-acyl carrier protein thioesterase in Escherichia coli. Plant Physiology and Biochemistry, 2002, 40, 1-9.	5.8	15
120	Protection of neurons in the retinal ganglion cell layer against excitotoxicity by the N-acylethanolamine, N-linoleoylethanolamine. Clinical Ophthalmology, 2011, 5, 543.	1.8	15
121	A peroxisome biogenesis deficiency prevents the binding of alpha-synuclein to lipid droplets in lipid-loaded yeast. Biochemical and Biophysical Research Communications, 2013, 438, 452-456.	2.1	15
122	Synthesis of Phenoxyacyl-Ethanolamides and Their Effects on Fatty Acid Amide Hydrolase Activity. Journal of Biological Chemistry, 2014, 289, 9340-9351.	3.4	15
123	Changes during leaf expansion of Î¦PSII temperature optima in Gossypium hirsutum are associated with the degree of fatty acid lipid saturation. Journal of Plant Physiology, 2014, 171, 411-420.	3.5	15
124	Evaluation of a custom single Peltier-cooled ablation cell for elemental imaging of biological samples in laser ablation-inductively coupled plasma-mass spectrometry (LA-ICP-MS). Journal of Analytical Atomic Spectrometry, 2016, 31, 1030-1033.	3.0	15
125	Mouse lipogenic proteins promote the co-accumulation of triacylglycerols and sesquiterpenes in plant cells. Planta, 2019, 250, 79-94.	3.2	15
126	Isozymes of cottonseed microsomal N-acylphosphatidylethanolamine synthase: Detergent solubilization and electrophoretic separation of active enzymes with different properties. Lipids and Lipid Metabolism, 1994, 1211, 29-36.	2.6	14

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127	Phytoestrogens and floral development in dioecious Maclura pomifera (Raf.) Schneid. and Morus rubra L. (Moraceae). Plant Science, 1997, 130, 27-40.	3.6	14
128	Regulation of carbonic anhydrase gene expression in cotyledons of cotton (Gossypium hirsutum L.) seedlings during post-germinative growth. Plant Molecular Biology, 2002, 49, 449-458.	3.9	14
129	Identification and quantification of neuroactive N -acylethanolamines in cottonseed processing fractions. JAOCS, Journal of the American Oil Chemists' Society, 2003, 80, 223-229.	1.9	14
130	Analysis of Fatty Acid Amide Hydrolase Activity in Plants. Methods in Molecular Biology, 2013, 1009, 115-127.	0.9	14
131	Mouse Fat-Specific Protein 27 (FSP27) expressed in plant cells localizes to lipid droplets and promotes lipid droplet accumulation and fusion. Biochimie, 2020, 169, 41-53.	2.6	14
132	Analyzing Mass Spectrometry Imaging Data of 13C-Labeled Phospholipids in Camelina sativa and Thlaspi arvense (Pennycress) Embryos. Metabolites, 2021, 11, 148.	2.9	14
133	Identification and Expression of Cotton (Gossypium hirsutum L.) Plastidial Carbonic Anhydrase. Plant and Cell Physiology, 1999, 40, 1262-1270.	3.1	13
134	Thermal acclimation in American alligators: Effects of temperature regime on growth rate, mitochondrial function, and membrane composition. Journal of Thermal Biology, 2017, 68, 45-54.	2.5	13
135	Development and application of subâ€2â€Î¼m particle CO₂â€based chromatography coupled to mass spectrometry for comprehensive analysis of lipids in cottonseed extracts. Rapid Communications in Mass Spectrometry, 2017, 31, 591-605.	1.5	13
136	Structural analysis of a plant fatty acid amide hydrolase provides insights into the evolutionary diversity of bioactive acylethanolamides. Journal of Biological Chemistry, 2019, 294, 7419-7432.	3.4	13
137	Organellar lipidomics. Plant Signaling and Behavior, 2011, 6, 1594-1596.	2.4	12
138	Onâ€stage liquidâ€phase lipid microextraction coupled to nanospray mass spectrometry for detailed, nanoâ€scale lipid analysis. Rapid Communications in Mass Spectrometry, 2012, 26, 957-962.	1.5	12
139	Malonylation of Glucosylated N-Lauroylethanolamine A NEW PATHWAY THAT DETERMINES N-ACYLETHANOLAMINE METABOLIC FATE IN PLANTS. Journal of Biological Chemistry, 2016, 291, 27112-27121.	3.4	12
140	Plant lipidomics at the crossroads: From technology to biology driven science. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 786-791.	2.4	12
141	Production of wax esters in the wild oil species Lepidium campestre. Industrial Crops and Products, 2017, 108, 535-542.	5.2	12
142	Heterogeneous Distribution of Erucic Acid in Brassica napus Seeds. Frontiers in Plant Science, 2020, 10, 1744.	3.6	12
143	Intracellular Localization of N-Acylphosphatidylethanolamine Synthesis in Cotyledons of Cotton (Gossypium hirsutm L.) Seedlings. Plant and Cell Physiology, 1997, 38, 1359-1367.	3.1	11
144	Response of high leaf-oil <i>Arabidopsis thaliana</i> plant lines to biotic or abiotic stress. Plant Signaling and Behavior, 2018, 13, e1464361.	2.4	11

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145	CGI-58, a key regulator of lipid homeostasis and signaling in plants, also regulates polyamine metabolism. Plant Signaling and Behavior, 2014, 9, e27723.	2.4	10
146	Fatty Acid Amide Hydrolase Regulates Peripheral B Cell Receptor Revision, Polyreactivity, and B1 Cells in Lupus. Journal of Immunology, 2016, 196, 1507-1516.	0.8	10
147	iCURE (iterative courseâ€based undergraduate research experience): A caseâ€study. Biochemistry and Molecular Biology Education, 2019, 47, 565-572.	1.2	10
148	Lubrication characteristics of wax esters from oils produced by a genetically-enhanced oilseed crop. Tribology International, 2020, 146, 106234.	5.9	10
149	Lipid Dropletâ€"Peroxisome Connections in Plants. Contact (Thousand Oaks (Ventura County, Calif)), 2020, 3, 251525642090876.	1.3	10
150	Intracellular Localization of Phosphatidylcholine and Phosphatidylethanolamine Synthesis in Cotyledons of Cotton Seedlings. Plant Physiology, 1991, 95, 69-76.	4.8	9
151	Molecular cloning and nucleotide sequence of a gene encoding a cotton palmitoyl-acyl carrier protein thioesterase. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1999, 1446, 403-413.	2.4	9
152	Effects of synthetic alkamides on Arabidopsis fatty acid amide hydrolase activity and plant development. Phytochemistry, 2015, 110, 58-71.	2.9	9
153	Overexpression of phospholipid: diacylglycerol acyltransferase in <i>Brassica napus</i> results in changes in lipid metabolism and oil accumulation. Biochemical Journal, 2022, 479, 805-823.	3.7	9
154	Better together: Protein partnerships for lineage-specific oil accumulation. Current Opinion in Plant Biology, 2022, 66, 102191.	7.1	9
155	Inhibition of Cottonseed Choline- and Ethanolaminephosphotransferases by Calcium during Postgerminative Growth. Plant Physiology, 1990, 93, 1525-1529.	4.8	8
156	Changes in Retinal <i>N</i>â€Acylethanolamines and their Oxylipin Derivatives During the Development of Visual Impairment in a Mouse Model for Glaucoma. Lipids, 2016, 51, 857-866.	1.7	8
157	Photoaffinity labeling of cottonseed microsomal N-acylphosphatidylethanolamine synthase protein with a substrate analogue, 12-[(4-azidosalicyl) amino]dodecanoic acid. Lipids and Lipid Metabolism, 1995, 1256, 310-318.	2.6	7
158	Lipid Signaling through G Proteins. Trends in Plant Science, 2021, 26, 720-728.	8.8	7
159	N-Acylated phospholipid metabolism and seedling growth. Plant Signaling and Behavior, 2012, 7, 1200-1202.	2.4	6
160	Cotton (Gossypium hirsutum L.) mutants with reduced levels of palmitic acid (C16:0) in seed lipids. Euphytica, 2019, 215, 1.	1.2	6
161	Similarities Between Endocannabinoid Signaling in Animal Systems and N-Acylethanolamine Metabolism in Plants. , 2006, , 205-219.		6
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