Ivo Feussner

List of Publications by Year
in descending order

336 papers	24,659 citations	6254 80 h-index	11052 137 g-index
442 all docs	442 docs citations	442 times ranked	22798 citing authors

#	Article	IF	Citations
1	Diversity in sphingolipid metabolism across land plants. Journal of Experimental Botany, 2022, 73, 2785-2798.	4.8	22
2	Overexpression of the vacuolar sugar importer <i>Bv</i>TST1 from sugar beet in Camelina improves seed properties and leads to altered root characteristics. Physiologia Plantarum, 2022, 174, e13653.	5.2	6
3	Lipidomics of Thalassiosira pseudonana as a function of valve SDV synthesis. Journal of Applied Phycology, 2022, 34, 1471-1481.	2.8	3
4	Heat stress leads to rapid lipid remodeling and transcriptional adaptations in <i>Nicotiana tabacum</i> pollen tubes. Plant Physiology, 2022, , .	4.8	5
5	Sphingolipid-Induced Programmed Cell Death is a Salicylic Acid and EDS1-Dependent Phenotype in Arabidopsis <i>Fatty Acid Hydroxylase</i> (<i>Fah1, Fah2</i>) and <i>Ceramide Synthase</i> (<i>Loh2</i>) Triple Mutants. Plant and Cell Physiology, 2022, 63, 317-325.	3.1	10
6	Effector-mediated relocalization of a maize lipoxygenase protein triggers susceptibility to<i>Ustilago maydis</i>. Plant Cell, 2022, 34, 2785-2805.	6.6	17
7	Cell wall-localized BETA-XYLOSIDASE4 contributes to immunity of Arabidopsis against <i>Botrytis cinerea</i>. Plant Physiology, 2022, 189, 1794-1813.	4.8	14
8	Multiâ€omics analysis of xylem sap uncovers dynamic modulation of poplar defenses by ammonium and nitrate. Plant Journal, 2022, 111, 282-303.	5.7	11
9	The Sporisorium reilianum Effector Vag2 Promotes Head Smut Disease via Suppression of Plant Defense Responses. Journal of Fungi (Basel, Switzerland), 2022, 8, 498.	3.5	1
10	<i>Ustilago maydis</i> effector Jsi1 interacts with Topless corepressor, hijacking plant jasmonate/ethylene signaling. New Phytologist, 2021, 229, 3393-3407.	7.3	54
11	Chemokine-like MDL proteins modulate flowering time and innate immunity in plants. Journal of Biological Chemistry, 2021, 296, 100611.	3.4	10
12	Targeted Analysis of the Plant Lipidome by UPLC-NanoESI-MS/MS. Methods in Molecular Biology, 2021, 2295, 135-155.	0.9	13
13	Mitochondrial Small Heat Shock Proteins Are Essential for Normal Growth of Arabidopsis thaliana. Frontiers in Plant Science, 2021, 12, 600426.	3.6	11
14	Jasmonic acid biosynthesis by fungi: derivatives, first evidence on biochemical pathways and culture conditions for production. PeerJ, 2021, 9, e10873.	2.0	21
15	Sphingolipid longâ€chain base hydroxylation influences plant growth and callose deposition in <i>Physcomitrium patens</i>. New Phytologist, 2021, 231, 297-314.	7.3	14
16	Mitochondrial small heat shock protein and chilling tolerance in tomato fruit. Postharvest Biology and Technology, 2021, 175, 111491.	6.0	8
17	FettsÃuren und FettsÃurederivate als nachwachsende PlattformmolekÃ¼le fÃ¼r die chemische Industrie. Angewandte Chemie, 2021, 133, 20304-20326.	2.0	11
18	Fatty Acids and their Derivatives as Renewable Platform Molecules for the Chemical Industry. Angewandte Chemie - International Edition, 2021, 60, 20144-20165.	13.8	114

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19	Sphingolipid Î”4-desaturation is an important metabolic step for glycosylceramide formation in <i>Physcomitrium patens</i>. Journal of Experimental Botany, 2021, 72, 5569-5583.	4.8	6
20	Inheritance of seed quality and seed germination in two doubled haploid populations of oilseed rape segregating for acid detergent lignin (ADL) content. Euphytica, 2021, 217, 1.	1.2	6
21	The evolution of the phenylpropanoid pathway entailed pronounced radiations and divergences of enzyme families. Plant Journal, 2021, 107, 975-1002.	5.7	67
22	Warm temperature triggers JOX and ST2A-mediated jasmonate catabolism to promote plant growth. Nature Communications, 2021, 12, 4804.	12.8	20
23	Wood Formation under Severe Drought Invokes Adjustment of the Hormonal and Transcriptional Landscape in Poplar. International Journal of Molecular Sciences, 2021, 22, 9899.	4.1	17
24	Convergence of sphingolipid desaturation across over 500 million years of plant evolution. Nature Plants, 2021, 7, 219-232.	9.3	31
25	The glycosyltransferase UGT76B1 modulates<i>N</i>-hydroxy-pipecolic acid homeostasis and plant immunity. Plant Cell, 2021, 33, 735-749.	6.6	71
26	Plastidial wax ester biosynthesis as a tool to synthesize shorter and more saturated wax esters. Biotechnology for Biofuels, 2021, 14, 238.	6.2	1
27	Insights Into Oxidized Lipid Modification in Barley Roots as an Adaptation Mechanism to Salinity Stress. Frontiers in Plant Science, 2020, 11, 1.	3.6	477
28	Pheophorbide <i>a</i> May Regulate Jasmonate Signaling during Dark-Induced Senescence. Plant Physiology, 2020, 182, 776-791.	4.8	32
29	Disruption of Arabidopsis neutral ceramidases 1 and 2 results in specific sphingolipid imbalances triggering different phytohormoneâ€dependent plant cell death programmes. New Phytologist, 2020, 226, 170-188.	7.3	33
30	Update on LIPID MAPS classification, nomenclature, and shorthand notation for MS-derived lipid structures. Journal of Lipid Research, 2020, 61, 1539-1555.	4.2	372
31	The Fifth WS/DGAT Enzyme of the Bacterium <i>Marinobacter aquaeolei</i>ÂVT8. Lipids, 2020, 55, 479-494.	1.7	7
32	ABA-Dependent Salt Stress Tolerance Attenuates Botrytis Immunity in Arabidopsis. Frontiers in Plant Science, 2020, 11, 594827.	3.6	11
33	Quantitative Hormone Signaling Output Analyses of Arabidopsis thaliana Interactions With Virulent and Avirulent Hyaloperonospora arabidopsidis Isolates at Single-Cell Resolution. Frontiers in Plant Science, 2020, 11, 603693.	3.6	6
34	Acyltransferases Regulate Oil Quality in Camelina sativa Through Both Acyl Donor and Acyl Acceptor Specificities. Frontiers in Plant Science, 2020, 11, 1144.	3.6	18
35	Verticillium longisporum Elicits Media-Dependent Secretome Responses With Capacity to Distinguish Between Plant-Related Environments. Frontiers in Microbiology, 2020, 11, 1876.	3.5	18
36	Ectomycorrhizal fungi induce systemic resistance against insects on a nonmycorrhizal plant in a CERK1â€dependent manner. New Phytologist, 2020, 228, 728-740.	7.3	32

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37	The Microalga <i>Nannochloropsis</i> during Transition from Quiescence to Autotrophy in Response to Nitrogen Availability. Plant Physiology, 2020, 182, 819-839.	4.8	54
38	<i>Lolium perenne</i> apoplast metabolomics for identification of novel metabolites produced by the symbiotic fungus <i>EpichloÃ« festucae</i>. New Phytologist, 2020, 227, 559-571.	7.3	24
39	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
40	Ex Vivo Metabolomics: A Powerful Approach for Functional Gene Annotation. Trends in Plant Science, 2020, 25, 829-830.	8.8	7
41	Carotenoid Content and Composition in Exponential, Stationary and Biofilm States of Staphylococcus aureus and their Influence on Membrane Biophysical Properties. Biophysical Journal, 2020, 118, 321a.	0.5	0
42	Wax biosynthesis in response to danger: its regulation upon abiotic and biotic stress. New Phytologist, 2020, 227, 698-713.	7.3	177
43	Identification of client ironâ€“sulfur proteins of the chloroplastic NFU2 transfer protein in Arabidopsis thaliana. Journal of Experimental Botany, 2020, 71, 4171-4187.	4.8	25
44	Quantitative Jasmonate Profiling Using a High-Throughput UPLC-NanoESI-MS/MS Method. Methods in Molecular Biology, 2020, 2085, 169-187.	0.9	22
45	Isochorismate-derived biosynthesis of the plant stress hormone salicylic acid. Science, 2019, 365, 498-502.	12.6	273
46	Comprehensive LC-MS-Based Metabolite Fingerprinting Approach for Plant and Fungal-Derived Samples. Methods in Molecular Biology, 2019, 1978, 167-185.	0.9	21
47	The glycosyltransferase UGT76E1 significantly contributes to 12-O-glucopyranosyl-jasmonic acid formation in wounded Arabidopsis thaliana leaves. Journal of Biological Chemistry, 2019, 294, 9858-9872.	3.4	28
48	Signal peptide peptidase activity connects the unfolded protein response to plant defense suppression by Ustilago maydis. PLoS Pathogens, 2019, 15, e1007734.	4.7	25
49	Arabidopsis mlo3 mutant plants exhibit spontaneous callose deposition and signs of early leaf senescence. Plant Molecular Biology, 2019, 101, 21-40.	3.9	16
50	RUBY, a Putative Galactose Oxidase, Influences Pectin Properties and Promotes Cell-To-Cell Adhesion in the Seed Coat Epidermis of Arabidopsis. Plant Cell, 2019, 31, 809-831.	6.6	38
51	Ironâ€“sulfur protein NFU2 is required for branched-chain amino acid synthesis in Arabidopsis roots. Journal of Experimental Botany, 2019, 70, 1875-1889.	4.8	25
52	Membrane Lipids, Waxes and Oxylipins in the Moss Model Organism Physcomitrella patens. Plant and Cell Physiology, 2019, 60, 1166-1175.	3.1	24
53	Variations in carotenoid content and acyl chain composition in exponential, stationary and biofilm states of Staphylococcus aureus, and their influence on membrane biophysical properties. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 978-987.	2.6	18
54	Elevated Î±-Linolenic Acid Content in Extra-plastidial Membranes of Tomato Accelerates Wound-Induced Jasmonate Generation and Improves Tolerance to the Herbivorous Insects Heliothis peltigera and Spodoptera littoralis. Journal of Plant Growth Regulation, 2019, 38, 723-738.	5.1	9

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55	The green microalga Lobosphaera incisa harbours an arachidonate 15 S â€lipoxygenase. Plant Biology, 2019, 21, 131-142.	3.8	10
56	Current trends to comprehend lipid metabolism in diatoms. Progress in Lipid Research, 2018, 70, 1-16.	11.6	144
57	MYB72-dependent coumarin exudation shapes root microbiome assembly to promote plant health. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5213-E5222.	7.1	608
58	Cyanophage-encoded lipid desaturases: oceanic distribution, diversity and function. ISME Journal, 2018, 12, 343-355.	9.8	23
59	DGAT1 from the arachidonic-acid-producing microalga Lobosphaera incisa shows late gene expression under nitrogen starvation and substrate promiscuity in a heterologous system. Journal of Applied Phycology, 2018, 30, 2773-2791.	2.8	5
60	High-level accumulation of oleyl oleate in plant seed oil by abundant supply of oleic acid substrates to efficient wax ester synthesis enzymes. Biotechnology for Biofuels, 2018, 11, 53.	6.2	14
61	A high-resolution HPLC-QqTOF platform using parallel reaction monitoring for in-depth lipid discovery and rapid profiling. Analytica Chimica Acta, 2018, 1026, 87-100.	5.4	47
62	The Oxylipin Pathways: Biochemistry and Function. Annual Review of Plant Biology, 2018, 69, 363-386.	18.7	372
63	One-pot synthesis of bioactive cyclopentenones from Î±-linolenic acid and docosahexaenoic acid. Bioorganic and Medicinal Chemistry, 2018, 26, 1356-1364.	3.0	12
64	The type 2 acyl-CoA:diacylglycerol acyltransferase family of the oleaginous microalga Lobosphaera incisa. BMC Plant Biology, 2018, 18, 298.	3.6	15
65	The codon sequences predict protein lifetimes and other parameters of the protein life cycle in the mouse brain. Scientific Reports, 2018, 8, 16913.	3.3	17
66	Precisely measured protein lifetimes in the mouse brain reveal differences across tissues and subcellular fractions. Nature Communications, 2018, 9, 4230.	12.8	219
67	Integrative omics - from data to biology. Expert Review of Proteomics, 2018, 15, 463-466.	3.0	20
68	Cellular substrate limitations of lysine acetylation turnover by sirtuins investigated with engineered futile cycle enzymes. Metabolic Engineering, 2018, 47, 453-462.	7.0	8
69	Effect of 1â€•and 2â€Month Highâ€Dose Alphaâ€Linolenic Acid Treatment on ¹³Câ€Labeled Alphaâ€Linolenic Acid Incorporation and Conversion in Healthy Subjects. Molecular Nutrition and Food Research, 2018, 62, e1800271.	3.3	9
70	Allene oxide synthase, allene oxide cyclase and jasmonic acid levels in Lotus japonicus nodules. PLoS ONE, 2018, 13, e0190884.	2.5	27
71	Nannochloropsis, a rich source of diacylglycerol acyltransferases for engineering of triacylglycerol content in different hosts. Biotechnology for Biofuels, 2017, 10, 8.	6.2	85
72	Two Acyltransferases Contribute Differently to Linolenic Acid Levels in Seed Oil. Plant Physiology, 2017, 173, 2081-2095.	4.8	74

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73	Green light for lipid fingerprinting. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 782-785.	2.4	4
74	Large-scale reduction of the <i>Bacillus subtilis</i> genome: consequences for the transcriptional network, resource allocation, and metabolism. Genome Research, 2017, 27, 289-299.	5.5	137
75	Production of wax esters in the wild oil species Lepidium campestre. Industrial Crops and Products, 2017, 108, 535-542.	5.2	12
76	Central metabolite and sterol profiling divides tobacco male gametophyte development and pollen tube growth into eight metabolic phases. Plant Journal, 2017, 92, 129-146.	5.7	40
77	Lipoxygenase 2 from Cyanothece sp. controls dioxygen insertion by steric shielding and substrate fixation. Scientific Reports, 2017, 7, 2069.	3.3	14
78	Eudicot plant-specific sphingolipids determine host selectivity of microbial NLP cytolysins. Science, 2017, 358, 1431-1434.	12.6	167
79	Analysis of the lipid body proteome of the oleaginous alga Lobosphaera incisa. BMC Plant Biology, 2017, 17, 98.	3.6	44
80	The effect of hypoxia on the lipidome of recombinant Pichia pastoris. Microbial Cell Factories, 2017, 16, 86.	4.0	25
81	Choline transporterâ€like1 (<scp>CHER</scp>1) is crucial for plasmodesmata maturation in <i>Arabidopsis thaliana</i>. Plant Journal, 2017, 89, 394-406.	5.7	58
82	Key Components of Different Plant Defense Pathways Are Dispensable for Powdery Mildew Resistance of the Arabidopsis mlo2 mlo6 mlo12 Triple Mutant. Frontiers in Plant Science, 2017, 8, 1006.	3.6	45
83	Heterologous co-expression of a yeast diacylglycerol acyltransferase (ScDGA1) and a plant oleosin (AtOLEO3) as an efficient tool for enhancing triacylglycerol accumulation in the marine diatom Phaeodactylum tricornutum. Biotechnology for Biofuels, 2017, 10, 187.	6.2	44
84	Optimized Jasmonic Acid Production by Lasiodiplodia theobromae Reveals Formation of Valuable Plant Secondary Metabolites. PLoS ONE, 2016, 11, e0167627.	2.5	26
85	Crystal Structure of Alcohol Oxidase from Pichia pastoris. PLoS ONE, 2016, 11, e0149846.	2.5	39
86	Volatiles Emitted from Maize Ears Simultaneously Infected with Two Fusarium Species Mirror the Most Competitive Fungal Pathogen. Frontiers in Plant Science, 2016, 7, 1460.	3.6	13
87	OPDA Has Key Role in Regulating Plant Susceptibility to the Root-Knot Nematode Meloidogyne hapla in Arabidopsis. Frontiers in Plant Science, 2016, 7, 1565.	3.6	66
88	Contrasting biodiversityâ€"ecosystem functioning relationships in phylogenetic and functional diversity. New Phytologist, 2016, 212, 409-420.	7.3	36
89	Circadian Stress Regimes Affect the Circadian Clock and Cause Jasmonic Acid-Dependent Cell Death in Cytokinin-Deficient Arabidopsis Plants. Plant Cell, 2016, 28, tpc.00016.2016.	6.6	66
90	Dedicated Industrial Oilseed Crops as Metabolic Engineering Platforms for Sustainable Industrial Feedstock Production. Scientific Reports, 2016, 6, 22181.	3.3	46

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91	Plant lipid biology. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 1205-1206.	2.4	3
92	Oil is on the agenda: Lipid turnover in higher plants. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 1253-1268.	2.4	38
93	Synthesis of oleyl oleate wax esters in <i>Arabidopsis thaliana</i> and <i>Camelina sativa</i> seed oil. Plant Biotechnology Journal, 2016, 14, 252-259.	8.3	45
94	Potato tuber expression of Arabidopsis WRINKLED1 increase triacylglycerol and membrane lipids while affecting central carbohydrate metabolism. Plant Biotechnology Journal, 2016, 14, 1883-1898.	8.3	74
95	Characterization of a Pipecolic Acid Biosynthesis Pathway Required for Systemic Acquired Resistance. Plant Cell, 2016, 28, 2603-2615.	6.6	121
96	A directed mutational approach demonstrates that a putative linoleate isomerase fromLactobacillus acidophilusdoes not hydrate or isomerize linoleic acid. European Journal of Lipid Science and Technology, 2016, 118, 841-848.	1.5	6
97	Kinetics of Bisâ€Allylic Hydroperoxide Synthesis in the Ironâ€Containing Lipoxygenase 2 from <i>Cyanothece</i> and the Effects of Manganese Substitution. Lipids, 2016, 51, 335-347.	1.7	9
98	Hydrogen sulfide is a novel potential virulence factor of <scp><i>M</i></scp><i>ycoplasma pneumoniae</i>: characterization of the unusual cysteine desulfurase/desulfhydrase HapE. Molecular Microbiology, 2016, 100, 42-54.	2.5	48
99	A previously undescribed jasmonate compound in flowering Arabidopsis thaliana â€“ The identification of cis-(+)-OPDA-Ile. Phytochemistry, 2016, 122, 230-237.	2.9	38
100	Crystal structure of a lipoxygenase from Cyanothece sp. may reveal novel features for substrate acquisition. Journal of Lipid Research, 2016, 57, 276-287.	4.2	30
101	Reduced Biosynthesis of Digalactosyldiacylglycerol, a Major Chloroplast Membrane Lipid, Leads to Oxylipin Overproduction and Phloem Cap Lignification in Arabidopsis. Plant Cell, 2016, 28, 219-232.	6.6	56
102	A Caenorhabditis elegans model for ether lipid biosynthesis and function. Journal of Lipid Research, 2016, 57, 265-275.	4.2	49
103	Changes of global gene expression and secondary metabolite accumulation during light-dependent Aspergillus nidulans development. Fungal Genetics and Biology, 2016, 87, 30-53.	2.1	56
104	Metabolic engineering of light-driven cytochrome P450 dependent pathways into Synechocystis sp. PCC 6803. Metabolic Engineering, 2016, 33, 1-11.	7.0	66
105	Functional Characterization of CYP94-Genes and Identification of a Novel Jasmonate Catabolite in Flowers. PLoS ONE, 2016, 11, e0159875.	2.5	43
106	Metabolome Analysis Reveals Betaine Lipids as Major Source for Triglyceride Formation, and the Accumulation of Sedoheptulose during Nitrogen-Starvation of Phaeodactylum tricornutum. PLoS ONE, 2016, 11, e0164673.	2.5	70
107	Camelina-a promissing oilseed crop to contribute to the growing demand for vegetable oils. European Journal of Lipid Science and Technology, 2015, 117, 271-273.	1.5	4
108	An enhanced plant lipidomics method based on multiplexed liquid chromatographyâ€"mass spectrometry reveals additional insights into coldâ€•and droughtâ€induced membrane remodeling. Plant Journal, 2015, 84, 621-633.	5.7	136

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109	Two Predicted Transmembrane Domains Exclude Very Long Chain Fatty acyl-CoAs from the Active Site of Mouse Wax Synthase. PLoS ONE, 2015, 10, e0145797.	2.5	11
110	What the transcriptome does not tell â€" proteomics and metabolomics are closer to the plantsâ€™ patho-phenotype. Current Opinion in Plant Biology, 2015, 26, 26-31.	7.1	124
111	VIH2 Regulates the Synthesis of Inositol Pyrophosphate InsP₈ and Jasmonate-Dependent Defenses in Arabidopsis. Plant Cell, 2015, 27, 1082-1097.	6.6	153
112	Tissue-Specific Accumulation and Regulation of Zeaxanthin Epoxidase in Arabidopsis Reflect the Multiple Functions of the Enzyme in Plastids. Plant and Cell Physiology, 2015, 56, 346-357.	3.1	70
113	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
114	MarVis-Pathway: integrative and exploratory pathway analysis of non-targeted metabolomics data. Metabolomics, 2015, 11, 764-777.	3.0	72
115	Meta-Analysis of Pathway Enrichment: Combining Independent and Dependent Omics Data Sets. PLoS ONE, 2014, 9, e89297.	2.5	44
116	Vorstellungsberichte der neuen Mitglieder. Pflanzliche Fette sind mehr als nur wertvolle Nahrungsmittel. Akademie Der Wissenschaften Zu Goettingen Jahrbuch, 2014, 2014, .	0.0	0
117	Secreted Fungal Effector Lipase Releases Free Fatty Acids to Inhibit Innate Immunity-Related Callose Formation during Wheat Head Infection Â. Plant Physiology, 2014, 165, 346-358.	4.8	130
118	Phosphatidylinositol 4,5-Bisphosphate Influences PIN Polarization by Controlling Clathrin-Mediated Membrane Trafficking in<i>Arabidopsis</i>Â Â. Plant Cell, 2014, 25, 4894-4911.	6.6	158
119	Two Fatty Acid Desaturases, STEAROYL-ACYL CARRIER PROTEIN Î"⁹-DESATURASE6 and FATTY ACID DESATURASE3, Are Involved in Drought and Hypoxia Stress Signaling in Arabidopsis Crown Galls. Plant Physiology, 2014, 164, 570-583.	4.8	75
120	Isolation and characterization of the plasma membrane from the yeast Pichia pastoris. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1889-1897.	2.6	59
121	The lipidome and proteome of microsomes from the methylotrophic yeast Pichia pastoris. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 215-226.	2.4	34
122	Characterization of Pichia pastoris Golgi and plasma membrane. New Biotechnology, 2014, 31, S152.	4.4	0
123	Infection of Corn Ears by <i>Fusarium</i> spp. Induces the Emission of Volatile Sesquiterpenes. Journal of Agricultural and Food Chemistry, 2014, 62, 5226-5236.	5.2	33
124	The Novel Monocot-Specific 9-Lipoxygenase ZmLOX12 Is Required to Mount an Effective Jasmonate-Mediated Defense Against <i>Fusarium verticillioides</i> in Maize. Molecular Plant-Microbe Interactions, 2014, 27, 1263-1276.	2.6	89
125	The Reductase Activity of the Arabidopsis Caleosin RESPONSIVE TO DESSICATION20 Mediates Gibberellin-Dependent Flowering Time, Abscisic Acid Sensitivity, and Tolerance to Oxidative Stress Â. Plant Physiology, 2014, 166, 109-124.	4.8	53
126	Soluble phenylpropanoids are involved in the defense response of <scp>A</scp>rabidopsis against <i><scp>V</scp>erticillium longisporum</i>. New Phytologist, 2014, 202, 823-837.	7.3	110

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127	Temperature-induced lipocalin (TIL) is translocated under salt stress and protects chloroplasts from ion toxicity. Journal of Plant Physiology, 2014, 171, 250-259.	3.5	44
128	S. Aureus Adapt to Growth Conditions by Changing Membrane Order. Biophysical Journal, 2014, 106, 580a.	0.5	4
129	The fatty acyl-CoA reductase Waterproof mediates airway clearance in Drosophila. Developmental Biology, 2014, 385, 23-31.	2.0	61
130	Dictyostelium discoideum Dgat2 Can Substitute for the Essential Function of Dgat1 in Triglyceride Production but Not in Ether Lipid Synthesis. Eukaryotic Cell, 2014, 13, 517-526.	3.4	12
131	Membrane-Bound Methyltransferase Complex VapA-VipC-VapB Guides Epigenetic Control of Fungal Development. Developmental Cell, 2014, 29, 406-420.	7.0	63
132	A secreted Ustilago maydis effector promotes virulence by targeting anthocyanin biosynthesis in maize. ELife, 2014, 3, e01355.	6.0	217
133	Integrative study of<i>Arabidopsis thaliana</i>metabolomic and transcriptomic data with the interactive MarVis-Graph software. PeerJ, 2014, 2, e239.	2.0	6
134	Wax ester profiling of seed oil by nano-electrospray ionization tandem mass spectrometry. Plant Methods, 2013, 9, 24.	4.3	46
135	Degradation of lipoxygenase-derived oxylipins by glyoxysomes from sunflower and cucumber cotyledons. BMC Plant Biology, 2013, 13, 177.	3.6	7
136	Lichen substance concentrations in the lichen Hypogymnia physodes are correlated with heavy metal concentrations in the substratum. Environmental and Experimental Botany, 2013, 85, 58-63.	4.2	26
137	Bacterial Biofilm Formation Induces Strong Shifts in Lipid Composition Resulting in Increased Resistance Towards Antimicrobial Peptide Activity. Biophysical Journal, 2013, 104, 20a.	0.5	2
138	<scp>SUCROSE TRANSPORTER</scp> 5 supplies <scp>A</scp>rabidopsis embryos with biotin and affects triacylglycerol accumulation. Plant Journal, 2013, 73, 392-404.	5.7	42
139	The maize lipoxygenase, <i>Zm<scp>LOX</scp>10</i>, mediates green leaf volatile, jasmonate and herbivoreâ€induced plant volatile production for defense against insect attack. Plant Journal, 2013, 74, 59-73.	5.7	217
140	Mapping of QTL for seed dormancy in a winter oilseed rape doubled haploid population. Theoretical and Applied Genetics, 2013, 126, 2405-2415.	3.6	39
141	A structural model of PpoA derived from SAXS-analysisâ€"Implications for substrate conversion. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 1449-1457.	2.4	9
142	Dictyostelium Lipid Droplets Host Novel Proteins. Eukaryotic Cell, 2013, 12, 1517-1529.	3.4	32
143	Ethanolamide Oxylipins of Linolenic Acid Can Negatively Regulate <i>Arabidopsis</i> Seedling Development Â. Plant Cell, 2013, 25, 3824-3840.	6.6	32
144	Crystal structure analysis of a fatty acid double-bond hydratase from<i>Lactobacillus acidophilus</i>. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 648-657.	2.5	46

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145	A Rapid Freezeâ€Quench Setup for Multiâ€Frequency EPR Spectroscopy of Enzymatic Reactions. ChemPhysChem, 2013, 14, 4094-4101.	2.1	22
146	Identification and characterization of an oleate hydratase-encoding gene from<i><i>Bifidobacterium breve</i></i>. Bioengineered, 2013, 4, 313-321.	3.2	40
147	An Iron 13S-Lipoxygenase with an Î±-Linolenic Acid Specific Hydroperoxidase Activity from Fusarium oxysporum. PLoS ONE, 2013, 8, e64919.	2.5	72
148	Analysis of the subcellular localisation of lipoxygenase in legume and actinorhizal nodules. Plant Biology, 2012, 14, 56-63.	3.8	9
149	MarVis-Filter: Ranking, Filtering, Adduct and Isotope Correction of Mass Spectrometry Data. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-7.	3.0	49
150	Crystal Structures of <i>Physcomitrella patens</i> AOC1 and AOC2: Insights into the Enzyme Mechanism and Differences in Substrate Specificity Â Â. Plant Physiology, 2012, 160, 1251-1266.	4.8	36
151	Transcriptional Activation and Production of Tryptophan-Derived Secondary Metabolites in Arabidopsis Roots Contributes to the Defense against the Fungal Vascular Pathogen Verticillium longisporum. Molecular Plant, 2012, 5, 1389-1402.	8.3	120
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