

Till Ischebeck

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

3,469
citations

136950

32
h-index

155660

55
g-index

78
all docs

78
docs citations

78
times ranked

3933
citing authors

#	ARTICLE	IF	CITATIONS
1	Precisely measured protein lifetimes in the mouse brain reveal differences across tissues and subcellular fractions. <i>Nature Communications</i> , 2018, 9, 4230.	12.8	219
2	The Type B Phosphatidylinositol-4-Phosphate 5-Kinase 3 Is Essential for Root Hair Formation in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2008, 20, 124-141.	6.6	170
3	Type B Phosphatidylinositol-4-Phosphate 5-Kinases Mediate <i>Arabidopsis</i> and <i>Nicotiana tabacum</i> Pollen Tube Growth by Regulating Apical Pectin Secretion. <i>Plant Cell</i> , 2009, 20, 3312-3330.	6.6	169
4	A Salvage Pathway for Phytol Metabolism in <i>Arabidopsis</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 2470-2477.	3.4	168
5	Phosphatidylinositol 4,5-Bisphosphate Influences PIN Polarization by Controlling Clathrin-Mediated Membrane Trafficking in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 25, 4894-4911.	6.6	158
6	Large-scale reduction of the <i>Bacillus subtilis</i> genome: consequences for the transcriptional network, resource allocation, and metabolism. <i>Genome Research</i> , 2017, 27, 289-299.	5.5	137
7	Microglia facilitate repair of demyelinated lesions via post-squalene sterol synthesis. <i>Nature Neuroscience</i> , 2021, 24, 47-60.	14.8	134
8	Modulating seed Δ -ketoacyl-acyl carrier protein synthase II level converts the composition of a temperate seed oil to that of a palm-like tropical oil. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4742-4747.	7.1	133
9	Salt-stress-induced association of phosphatidylinositol 4,5-bisphosphate with clathrin-coated vesicles in plants. <i>Biochemical Journal</i> , 2008, 415, 387-399.	3.7	114
10	Phosphatidylinositol 4,5-bisphosphate influences Rac5-mediated cell expansion in pollen tubes of <i>Nicotiana tabacum</i> . <i>Plant Journal</i> , 2011, 65, 453-468.	5.7	104
11	At the poles across kingdoms: phosphoinositides and polar tip growth. <i>Protoplasma</i> , 2010, 240, 13-31.	2.1	102
12	Cell-specific Analysis of the Tomato Pollen Proteome from Pollen Mother Cell to Mature Pollen Provides Evidence for Developmental Priming. <i>Journal of Proteome Research</i> , 2013, 12, 4892-4903.	3.7	97
13	Lipids in pollen – They are different. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 1315-1328.	2.4	89
14	Alternative metabolic fates of phosphatidylinositol produced by phosphatidylinositol synthase isoforms in <i>Arabidopsis thaliana</i> . <i>Biochemical Journal</i> , 2008, 413, 115-124.	3.7	78
15	PUX10 Is a Lipid Droplet-Localized Scaffold Protein That Interacts with CELL DIVISION CYCLE48 and Is Involved in the Degradation of Lipid Droplet Proteins. <i>Plant Cell</i> , 2018, 30, 2137-2160.	6.6	78
16	Potato tuber expression of <i>Arabidopsis</i> WRINKLED1 increase triacylglycerol and membrane lipids while affecting central carbohydrate metabolism. <i>Plant Biotechnology Journal</i> , 2016, 14, 1883-1898.	8.3	74
17	Comprehensive Cell-specific Protein Analysis in Early and Late Pollen Development from Diploid Microsporocytes to Pollen Tube Growth. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 295-310.	3.8	71
18	<i>Arabidopsis</i> lipid droplet-associated protein (LDAP) interacting protein (<sc>LDIP</sc>) influences lipid droplet size and neutral lipid homeostasis in both leaves and seeds. <i>Plant Journal</i> , 2017, 92, 1182-1201.	5.7	71

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19	Metabolome Analysis Reveals Betaine Lipids as Major Source for Triglyceride Formation, and the Accumulation of Sedoheptulose during Nitrogen-Starvation of <i>Phaeodactylum tricornutum</i> . <i>PLoS ONE</i> , 2016, 11, e0164673.	2.5	70
20	The evolution of the phenylpropanoid pathway entailed pronounced radiations and divergences of enzyme families. <i>Plant Journal</i> , 2021, 107, 975-1002.	5.7	67
21	Vacuolar CBL-CIPK12 Ca ²⁺ -Sensor-Kinase Complexes Are Required for Polarized Pollen Tube Growth. <i>Current Biology</i> , 2015, 25, 1475-1482.	3.9	63
22	Lipid droplets in plants and algae: Distribution, formation, turnover and function. <i>Seminars in Cell and Developmental Biology</i> , 2020, 108, 82-93.	5.0	63
23	Vitamin B6 metabolism in microbes and approaches for fermentative production. <i>Biotechnology Advances</i> , 2017, 35, 31-40.	11.7	54
24	Male functions and malfunctions: the impact of phosphoinositides on pollen development and pollen tube growth. <i>Plant Reproduction</i> , 2016, 29, 3-20.	2.2	50
25	Hydrogen sulfide is a novel potential virulence factor of <i>Mycoplasma pneumoniae</i> : characterization of the unusual cysteine desulfurase/desulphydrase HapE. <i>Molecular Microbiology</i> , 2016, 100, 42-54.	2.5	48
26	Functional Cooperativity of Enzymes of Phosphoinositide Conversion According to Synergistic Effects on Pectin Secretion in Tobacco Pollen Tubes. <i>Molecular Plant</i> , 2010, 3, 870-881.	8.3	47
27	Analysis of the lipid body proteome of the oleaginous alga <i>Lobosphaera incisa</i> . <i>BMC Plant Biology</i> , 2017, 17, 98.	3.6	44
28	Identification of Low-Abundance Lipid Droplet Proteins in Seeds and Seedlings. <i>Plant Physiology</i> , 2020, 182, 1326-1345.	4.8	44
29	Characterization of the enzymatic activity and physiological function of the lipid droplet-associated triacylglycerol lipase <i>AtOBL1</i> . <i>New Phytologist</i> , 2018, 217, 1062-1076.	7.3	43
30	Ties between Stress and Lipid Droplets Pre-date Seeds. <i>Trends in Plant Science</i> , 2020, 25, 1203-1214.	8.8	43
31	Metabolism and development – integration of micro computed tomography data and metabolite profiling reveals metabolic reprogramming from floral initiation to silique development. <i>New Phytologist</i> , 2014, 202, 322-335.	7.3	40
32	Central metabolite and sterol profiling divides tobacco male gametophyte development and pollen tube growth into eight metabolic phases. <i>Plant Journal</i> , 2017, 92, 129-146.	5.7	40
33	SEIPIN Isoforms Interact with the Membrane-Tethering Protein VAP27-1 for Lipid Droplet Formation. <i>Plant Cell</i> , 2020, 32, 2932-2950.	6.6	39
34	Variable Regions of PI4P 5-Kinases Direct PtdIns(4,5)P ₂ Toward Alternative Regulatory Functions in Tobacco Pollen Tubes. <i>Frontiers in Plant Science</i> , 2011, 2, 114.	3.6	38
35	Identification of the first glyphosate transporter by genomic adaptation. <i>Environmental Microbiology</i> , 2019, 21, 1287-1305.	3.8	36
36	Evidence for synergistic control of glutamate biosynthesis by glutamate dehydrogenases and glutamate in <i>Bacillus subtilis</i> . <i>Environmental Microbiology</i> , 2015, 17, 3379-3390.	3.8	35

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37	LDIP cooperates with SEIPIN and LDAP to facilitate lipid droplet biogenesis in Arabidopsis. <i>Plant Cell</i> , 2021, 33, 3076-3103.	6.6	31
38	The Essential Phosphoinositide Kinase MSS-4 Is Required for Polar Hyphal Morphogenesis, Localizing to Sites of Growth and Cell Fusion in <i>Neurospora crassa</i> . <i>PLoS ONE</i> , 2012, 7, e51454.	2.5	30
39	Tobacco pollen tubes – a fast and easy tool for studying lipid droplet association of plant proteins. <i>Plant Journal</i> , 2017, 89, 1055-1064.	5.7	29
40	Essentiality of c-di-AMP in <i>Bacillus subtilis</i> : Bypassing mutations converge in potassium and glutamate homeostasis. <i>PLoS Genetics</i> , 2021, 17, e1009092.	3.5	28
41	Optimized Jasmonic Acid Production by <i>Lasiodiplodia theobromae</i> Reveals Formation of Valuable Plant Secondary Metabolites. <i>PLoS ONE</i> , 2016, 11, e0167627.	2.5	26
42	Iron–sulfur protein NFU2 is required for branched-chain amino acid synthesis in Arabidopsis roots. <i>Journal of Experimental Botany</i> , 2019, 70, 1875-1889.	4.8	25
43	Dynamics of the Pollen Sequestrome Defined by Subcellular Coupled Omics. <i>Plant Physiology</i> , 2018, 178, 258-282.	4.8	23
44	Neuronal cholesterol synthesis is essential for repair of chronically demyelinated lesions in mice. <i>Cell Reports</i> , 2021, 37, 109889.	6.4	23
45	A mass spectrometry workflow for measuring protein turnover rates in vivo. <i>Nature Protocols</i> , 2019, 14, 3333-3365.	12.0	22
46	Signalling Pinpointed to the Tip: The Complex Regulatory Network That Allows Pollen Tube Growth. <i>Plants</i> , 2020, 9, 1098.	3.5	22
47	The codon sequences predict protein lifetimes and other parameters of the protein life cycle in the mouse brain. <i>Scientific Reports</i> , 2018, 8, 16913.	3.3	17
48	<i>Arabidopsis thaliana</i> EARLY RESPONSIVE TO DEHYDRATION 7 Localizes to Lipid Droplets via Its Senescence Domain. <i>Frontiers in Plant Science</i> , 2021, 12, 658961.	3.6	16
49	Sphingolipid long-chain base hydroxylation influences plant growth and callose deposition in <i>Physcomitrium patens</i> . <i>New Phytologist</i> , 2021, 231, 297-314.	7.3	14
50	Cell wall-localized BETA-XYLOSIDASE4 contributes to immunity of Arabidopsis against <i>Botrytis cinerea</i> . <i>Plant Physiology</i> , 2022, 189, 1794-1813.	4.8	14
51	SEED LIPID DROPLET PROTEIN1, SEED LIPID DROPLET PROTEIN2, and LIPID DROPLET PLASMA MEMBRANE ADAPTOR mediate lipid droplet–plasma membrane tethering. <i>Plant Cell</i> , 2022, 34, 2424-2448.	6.6	12
52	Finding new friends and revisiting old ones – how plant lipid droplets connect with other subcellular structures. <i>New Phytologist</i> , 2022, 236, 833-838.	7.3	12
53	Characterization of glyphosate-resistant <i>Burkholderia anthina</i> and <i>Burkholderia cenocepacia</i> isolates from a commercial Roundup® solution. <i>Environmental Microbiology Reports</i> , 2022, 14, 70-84.	2.4	11
54	Sustained Control of Pyruvate Carboxylase by the Essential Second Messenger Cyclic di-AMP in <i>Bacillus subtilis</i> . <i>MBio</i> , 2022, , e0360221.	4.1	11

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55	Multiomics analysis of xylem sap uncovers dynamic modulation of poplar defenses by ammonium and nitrate. <i>Plant Journal</i> , 2022, 111, 282-303.	5.7	11
56	The green microalga <i>Lobosphaera incisa</i> harbours an arachidonate 15 S lipoxygenase. <i>Plant Biology</i> , 2019, 21, 131-142.	3.8	10
57	Coordinated Localization and Antagonistic Function of NtPLC3 and PI4P 5-Kinases in the Subapical Plasma Membrane of Tobacco Pollen Tubes. <i>Plants</i> , 2020, 9, 452.	3.5	9
58	DIACYLGLYCEROL KINASE 5 regulates polar tip growth of tobacco pollen tubes. <i>New Phytologist</i> , 2022, 233, 2185-2202.	7.3	8
59	Variants of the <i>Bacillus subtilis</i> LysR-Type Regulator GltC With Altered Activator and Repressor Function. <i>Frontiers in Microbiology</i> , 2019, 10, 2321.	3.5	7
60	Heat stress leads to rapid lipid remodeling and transcriptional adaptations in <i>Nicotiana tabacum</i> pollen tubes. <i>Plant Physiology</i> , 2022, , .	4.8	5
61	PIP-Kinases as Key Regulators of Plant Function. <i>Plant Cell Monographs</i> , 2010, , 79-93.	0.4	4
62	Isolation of Lipid Droplets for Protein and Lipid Analysis. <i>Methods in Molecular Biology</i> , 2021, 2295, 295-320.	0.9	4
63	Lipid Composition in <i>Arabidopsis thaliana</i> Roots. , 2017, , 1-5.		1
64	Lipid Composition of <i>Arabidopsis thaliana</i> Pollen. , 2016, , 1-5.		1
65	Plastidial wax ester biosynthesis as a tool to synthesize shorter and more saturated wax esters. <i>Biotechnology for Biofuels</i> , 2021, 14, 238.	6.2	1
66	Phosphatidylinositol (4)-Monophosphate in Plants. , 2017, , 1-4.		0
67	Diacylglycerol in Plants: Functional Diversity of. , 2017, , 1-4.		0
68	Lipid Composition of <i>Arabidopsis thaliana</i> Pollen. , 2017, , 1-5.		0
69	Phosphatidylinositols and Derivatives in Plants: Overview Of. , 2017, , 1-4.		0
70	Phosphatidylinositol (4,5)-Bisphosphate in Plants. , 2017, , 1-4.		0