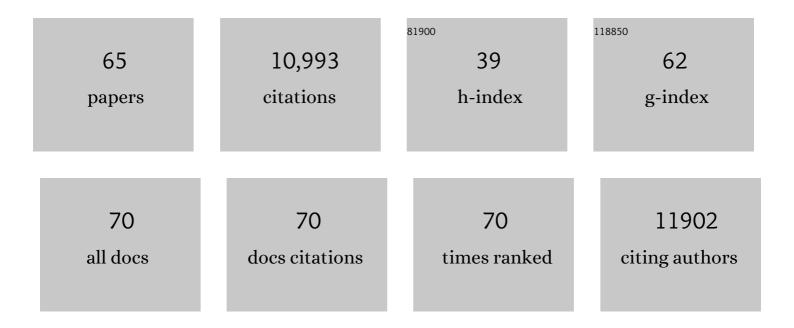
## Daniel Lang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The mosaic oat genome gives insights into a uniquely healthy cereal crop. Nature, 2022, 606, 113-119.	27.8	70
2	The barley pan-genome reveals the hidden legacy of mutation breeding. Nature, 2020, 588, 284-289.	27.8	314
3	Proteomic and transcriptomic profiling of aerial organ development in Arabidopsis. Scientific Data, 2020, 7, 334.	5.3	20
4	Mass-spectrometry-based draft of the Arabidopsis proteome. Nature, 2020, 579, 409-414.	27.8	328
5	Detecting Large Chromosomal Modifications Using Short Read Data From Genotyping-by-Sequencing. Frontiers in Plant Science, 2019, 10, 1133.	3.6	22
6	Tracing the ancestry of modern bread wheats. Nature Genetics, 2019, 51, 905-911.	21.4	230
7	Single-cell transcriptome analysis of Physcomitrella leaf cells during reprogramming using microcapillary manipulation. Nucleic Acids Research, 2019, 47, 4539-4553.	14.5	39
8	Evolutive approaches to explorative design methods in architecture. , 2019, , 134-141.		0
9	The <i>Physcomitrella patens</i> gene atlas project: largeâ€scale <scp>RNA</scp> â€seq based expression data. Plant Journal, 2018, 95, 168-182.	5.7	115
10	The loss of SMG1 causes defects in quality control pathways in Physcomitrella patens. Nucleic Acids Research, 2018, 46, 5822-5836.	14.5	24
11	The <i>Physcomitrella patens</i> chromosomeâ€scale assembly reveals moss genome structure and evolution. Plant Journal, 2018, 93, 515-533.	5.7	406
12	Analysis of Stress Resistance Using Next Generation Techniques. Agronomy, 2018, 8, 130.	3.0	12
13	Host Cell Proteome of <i>Physcomitrella patens</i> Harbors Proteases and Protease Inhibitors under Bioproduction Conditions. Journal of Proteome Research, 2018, 17, 3749-3760.	3.7	19
14	The Chara Genome: Secondary Complexity and Implications for Plant Terrestrialization. Cell, 2018, 174, 448-464.e24.	28.9	420
15	Genome mapping of seed-borne allergens and immunoresponsive proteins in wheat. Science Advances, 2018, 4, eaar8602.	10.3	130
16	The transcriptional landscape of polyploid wheat. Science, 2018, 361, .	12.6	768
17	Shifting the limits in wheat research and breeding using a fully annotated reference genome. Science, 2018, 361, .	12.6	2,424
18	Hidden variation in polyploid wheat drives local adaptation. Genome Research, 2018, 28, 1319-1332.	5.5	41

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19	Phylogenomic analysis of gene coâ€expression networks reveals the evolution of functional modules. Plant Journal, 2017, 90, 447-465.	5.7	97
20	A high-quality genome assembly of quinoa provides insights into the molecular basis of salt bladder-based salinity tolerance and the exceptional nutritional value. Cell Research, 2017, 27, 1327-1340.	12.0	170
21	Selfing in Haploid Plants and Efficacy of Selection: Codon Usage Bias in the Model Moss Physcomitrella patens. Genome Biology and Evolution, 2017, 9, 1528-1546.	2.5	21
22	Spatioâ€ŧemporal patterning of arginylâ€ <scp>tRNA</scp> protein transferase ( <scp>ATE</scp> ) contributes to gametophytic development in a moss. New Phytologist, 2016, 209, 1014-1027.	7.3	35
23	Identification of Targets and Interaction Partners of Arginyl-tRNA Protein Transferase in the Moss Physcomitrella patens. Molecular and Cellular Proteomics, 2016, 15, 1808-1822.	3.8	25
24	The Polycomb group protein CLF emerges as a specific tri-methylase of H3K27 regulating gene expression and development in Physcomitrella patens. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 860-870.	1.9	17
25	Origin and function of stomata in the moss Physcomitrella patens. Nature Plants, 2016, 2, 16179.	9.3	138
26	Genetic analysis of Physcomitrella patens identifies ABSCISIC ACID NON-RESPONSIVE (ANR), a regulator of ABA responses unique to basal land plants and required for desiccation tolerance. Plant Cell, 2016, 28, tpc.00091.2016.	6.6	98
27	The Genome of the Model Moss Physcomitrella patens. Advances in Botanical Research, 2016, 78, 97-140.	1.1	9
28	Evolutionary Processes as Models for Exploratory Design. Biologically-inspired Systems, 2016, , 295-318.	0.2	3
29	Predicted protein-protein interactions in the moss Physcomitrella patens: a new bioinformatic resource. BMC Bioinformatics, 2015, 16, 89.	2.6	19
30	Stomatal Guard Cells Co-opted an Ancient ABA-Dependent Desiccation Survival System to Regulate Stomatal Closure. Current Biology, 2015, 25, 928-935.	3.9	154
31	Insights from the cold transcriptome of <i><scp>P</scp>hyscomitrella patens</i> : global specialization pattern of conserved transcriptional regulators and identification of orphan genes involved in cold acclimation. New Phytologist, 2015, 205, 869-881.	7.3	84
32	The Evolution of Transcriptional Regulation in the Viridiplantae and its Correlation with Morphological Complexity. Advances in Marine Genomics, 2015, , 301-333.	1.2	23
33	ppdb: plant promoter database version 3.0. Nucleic Acids Research, 2014, 42, D1188-D1192.	14.5	61
34	Quantitative Analysis of the Mitochondrial and Plastid Proteomes of the Moss <i>Physcomitrella patens</i> Reveals Protein Macrocompartmentation and Microcompartmentation. Plant Physiology, 2014, 164, 2081-2095.	4.8	61
35	Isopentenyltransferase-1 (IPT1) knockout in Physcomitrella together with phylogenetic analyses of IPTs provide insights into evolution of plant cytokinin biosynthesis. Journal of Experimental Botany, 2014, 65, 2533-2543.	4.8	57
36	Largeâ€scale gene expression profiling data for the model moss <i><scp>P</scp>hyscomitrella patens</i> aid understanding of developmental progression, culture and stress conditions. Plant Journal, 2014, 79, 530-539.	5.7	82

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37	Reannotation and extended community resources for the genome of the non-seed plant Physcomitrella patens provide insights into the evolution of plant gene structures and functions. BMC Genomics, 2013, 14, 498.	2.8	170
38	Evolutionary Importance of Generative Polyploidy for Genome Evolution of Haploid-Dominant Land Plants. , 2013, , 295-305.		14
39	The Plant Ontology as a Tool for Comparative Plant Anatomy and Genomic Analyses. Plant and Cell Physiology, 2013, 54, e1-e1.	3.1	131
40	TSSi—an R package for transcription start site identification from 5′ mRNA tag data. Bioinformatics, 2012, 28, 1641-1642.	4.1	2
41	The Ectocarpus Genome and Brown Algal Genomics. Advances in Botanical Research, 2012, 64, 141-184.	1.1	18
42	Correction for Qudeimat et al., A P <sub>IIB</sub> -type Ca <sup>2+</sup> -ATPase is essential for stress adaptation in <i>Physcomitrella patens</i> . Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18566-18566.	7.1	1
43	Generation-Biased Gene Expression in a Bryophyte Model System. Molecular Biology and Evolution, 2011, 28, 803-812.	8.9	49
44	Genome-Wide Phylogenetic Comparative Analysis of Plant Transcriptional Regulation: A Timeline of Loss, Gain, Expansion, and Correlation with Complexity. Genome Biology and Evolution, 2010, 2, 488-503.	2.5	174
45	Microarray analysis of the moss Physcomitrella patens reveals evolutionarily conserved transcriptional regulation of salt stress and abscisic acid signalling. Plant Molecular Biology, 2010, 72, 27-45.	3.9	110
46	Identification and characterization of NAGNAG alternative splicing in the moss Physcomitrella patens. BMC Plant Biology, 2010, 10, 76.	3.6	13
47	The Ectocarpus genome and the independent evolution of multicellularity in brown algae. Nature, 2010, 465, 617-621.	27.8	774
48	Emerging functions for plant MAP kinase phosphatases. Trends in Plant Science, 2010, 15, 322-329.	8.8	101
49	Targeted Gene Knockouts Reveal Overlapping Functions of the Five Physcomitrella patens FtsZ Isoforms in Chloroplast Division, Chloroplast Shaping, Cell Patterning, Plant Development, and Gravity Sensing. Molecular Plant, 2009, 2, 1359-1372.	8.3	44
50	The evolution of nuclear auxin signalling. BMC Evolutionary Biology, 2009, 9, 126.	3.2	115
51	Auxin-binding proteins without KDEL sequence in the moss Funaria hygrometrica. Plant Cell Reports, 2009, 28, 1747-1758.	5.6	14
52	A uniquely high number of <i>fts</i> Z genes in the moss <i>Physcomitrella patens</i> . Plant Biology, 2009, 11, 744-750.	3.8	20
53	Exploring plant biodiversity: the Physcomitrella genome and beyond. Trends in Plant Science, 2008, 13, 542-549.	8.8	132
54	The <i>Physcomitrella</i> Genome Reveals Evolutionary Insights into the Conquest of Land by Plants. Science, 2008, 319, 64-69.	12.6	1,712

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#	Article	IF	CITATIONS
55	A sequenceâ€anchored genetic linkage map for the moss, <i>Physcomitrella patens</i> . Plant Journal, 2008, 56, 855-866.	5.7	42
56	A P <sub>IIB</sub> -type Ca <sup>2+</sup> -ATPase is essential for stress adaptation in <i>Physcomitrella patens</i> . Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19555-19560.	7.1	116
57	PlanTAPDB, a Phylogeny-Based Resource of Plant Transcription-Associated Proteins. Plant Physiology, 2007, 143, 1452-1466.	4.8	79
58	An ancient genome duplication contributed to the abundance of metabolic genes in the moss Physcomitrella patens. BMC Evolutionary Biology, 2007, 7, 130.	3.2	171
59	Dating the early evolution of plants: detection and molecular clock analyses of orthologs. Molecular Genetics and Genomics, 2007, 278, 393-402.	2.1	103
60	Representation and Highâ€Quality Annotation of thePhyscomitrella patensTranscriptome Demonstrates a High Proportion of Proteins Involved in Metabolism in Mosses. Plant Biology, 2005, 7, 238-250.	3.8	96
61	Largeâ€Scale Analysis of 73 329 Physcomitrella Plants Transformed with Different Gene Disruption Libraries: Production Parameters and Mutant Phenotypes. Plant Biology, 2005, 7, 228-237.	3.8	45
62	Protein encoding genes in an ancient plant: analysis of codon usage, retained genes and splice sites in a moss, Physcomitrella patens. BMC Genomics, 2005, 6, 43.	2.8	56
63	EST Sequencing from Embryogenic Cyclamen persicum Cell Cultures Identifies a High Proportion of Transcripts Homologous to Plant Genes Involved in Somatic Embryogenesis. Journal of Plant Growth Regulation, 2005, 24, 102-115.	5.1	37
64	Day Length and Temperature Strongly Influence Sexual Reproduction and Expression of a Novel MADS-Box Gene in the MossPhyscomitrella patens. Plant Biology, 2002, 4, 595-602.	3.8	105
65	Comparative Genomics. , 0, , 42-75.		4