Iben Srensen

List of Publications by Citations

45 papers	3,307 citations	22 h-index	49 g-index
49 ext. papers	4,121 ext. citations	9.2 avg, IF	4.54 L-index

#	Paper	IF	Citations
45	The Selaginella genome identifies genetic changes associated with the evolution of vascular plants. *Science*, **2011**, 332, 960-3	33.3	622
44	Genome sequence of the hot pepper provides insights into the evolution of pungency in Capsicum species. *Nature Genetics*, **2014**, 46, 270-8	36.3	594
43	The genome of the stress-tolerant wild tomato species Solanum pennellii. *Nature Genetics*, **2014**, 46, 1034-8	36.3	269
42	High-throughput mapping of cell-wall polymers within and between plants using novel microarrays. *Plant Journal*, **2007**, 50, 1118-28	6.9	241
41	The charophycean green algae provide insights into the early origins of plant cell walls. *Plant Journal*, **2011**, 68, 201-11	6.9	172
40	Functional genomic analysis supports conservation of function among cellulose synthase-like a gene family members and suggests diverse roles of mannans in plants. *Plant Physiology*, **2007**, 143, 1881-93	6.6	160
39	Mixed-linkage (1-->3),(1-->4)-beta-D-glucan is not unique to the Poales and is an abundant component of Equisetum arvense cell walls. *Plant Journal*, **2008**, 54, 510-21	6.9	133
38	Functional analysis of the cellulose synthase-like genes CSLD1, CSLD2, and CSLD4 in tip-growing Arabidopsis cells. *Plant Physiology*, **2008**, 148, 1238-53	6.6	110
37	The Charophycean green algae as model systems to study plant cell walls and other evolutionary adaptations that gave rise to land plants. *Plant Signaling and Behavior*, **2012**, 7, 1-3	2.5	100
36	How have plant cell walls evolved?. *Plant Physiology*, **2010**, 153, 366-72	6.6	99
35	Arabinose-rich polymers as an evolutionary strategy to plasticize resurrection plant cell walls against desiccation. *Planta*, **2013**, 237, 739-54	4.7	98
34	Pectin metabolism and assembly in the cell wall of the charophyte green alga Penium margaritaceum. *Plant Physiology*, **2014**, 165, 105-18	6.6	76
33	A specialized outer layer of the primary cell wall joins elongating cotton fibers into tissue-like bundles. *Plant Physiology*, **2009**, 150, 684-99	6.6	67
32	The Penium margaritaceum Genome: Hallmarks of the Origins of Land Plants. *Cell*, **2020**, 181, 1097-1111.e12	36.2	62
31	Cutin and suberin: assembly and origins of specialized lipidic cell wall scaffolds. *Current Opinion in Plant Biology*, **2020**, 55, 11-20	9.9	57
30	The glycosyltransferase repertoire of the spikemoss Selaginella moellendorffii and a comparative study of its cell wall. *PLoS ONE*, **2012**, 7, e35846	3.7	52
29	Stable transformation and reverse genetic analysis of Penium margaritaceum: a platform for studies of charophyte green algae, the immediate ancestors of land plants. *Plant Journal*, **2014**, 77, 339-51	6.9	45

28	The distribution of cell wall polymers during antheridium development and spermatogenesis in the Charophycean green alga, Chara corallina. *Annals of Botany*, **2009**, 104, 1045-56	4.1	41
27	Dissecting the molecular signatures of apical cell-type shoot meristems from two ancient land plant lineages. *New Phytologist*, **2015**, 207, 893-904	9.8	31
26	Antibody-based screening of cell wall matrix glycans in ferns reveals taxon, tissue and cell-type specific distribution patterns. *BMC Plant Biology*, **2015**, 15, 56	5.3	26
25	Multi-omics analysis identifies genes mediating the extension of cell walls in the Arabidopsis thaliana root elongation zone. *Frontiers in Cell and Developmental Biology*, **2015**, 3, 10	5.7	25
24	Genetic and metabolic effects of ripening mutations and vine detachment on tomato fruit quality. *Plant Biotechnology Journal*, **2020**, 18, 106-118	11.6	23
23	Disruption of the microtubule network alters cellulose deposition and causes major changes in pectin distribution in the cell wall of the green alga, Penium margaritaceum. *Journal of Experimental Botany*, **2014**, 65, 465-79	7	22
22	An array of possibilities for pectin. *Carbohydrate Research*, **2009**, 344, 1872-8	2.9	22
21	Charophytes: Evolutionary Giants and Emerging Model Organisms. *Frontiers in Plant Science*, **2016**, 7, 1470	6.2	22
20	Screening and characterization of plant cell walls using carbohydrate microarrays. *Methods in Molecular Biology*, **2011**, 715, 115-21	1.4	15
19	The Cell Wall Polymers of the Charophycean Green Alga Chara corallina: Immunobinding and Biochemical Screening. *International Journal of Plant Sciences*, **2010**, 171, 345-361	2.6	13
18	Function of the HYDROXYCINNAMOYL-CoA:SHIKIMATE HYDROXYCINNAMOYL TRANSFERASE is evolutionarily conserved in embryophytes. *Plant Cell*, **2021**, 33, 1472-1491	11.6	13
17	Characterisation of the arabinose-rich carbohydrate composition of immature and mature marama beans (Tylosema esculentum). *Phytochemistry*, **2011**, 72, 1466-72	4	12
16	High-throughput screening of Erwinia chrysanthemi pectin methylesterase variants using carbohydrate microarrays. *Proteomics*, **2009**, 9, 1861-8	4.8	12
15	High-throughput microarray analysis of pectic polymers by enzymatic epitope deletion. *Carbohydrate Polymers*, **2007**, 70, 77-81	10.3	10
14	Glycerol-3-phosphate acyltransferase 6 controls filamentous pathogen interactions and cell wall properties of the tomato and Nicotiana benthamiana leaf epidermis. *New Phytologist*, **2019**, 223, 1547-1559	9.8	9
13	The Secretome and N-Glycosylation Profiles of the Charophycean Green Alga, Penium margaritaceum, Resemble Those of Embryophytes. *Proteomes*, **2018**, 6,	4.6	9
12	Experimental Manipulation of Pectin Architecture in the Cell Wall of the Unicellular Charophyte,. *Frontiers in Plant Science*, **2020**, 11, 1032	6.2	8
11	Isolation and manipulation of protoplasts from the unicellular green alga Penium margaritaceum. *Plant Methods*, **2018**, 14,	5.8	7

10	The Tomato Guanylate-Binding Protein SlGBP1 Enables Fruit Tissue Differentiation by Maintaining Endopolyploid Cells in a Non-Proliferative State. *Plant Cell*, **2020**, 32, 3188-3205	11.6	7
9	Callose deposition is essential for the completion of cytokinesis in the unicellular alga. *Journal of Cell Science*, **2020**, 133,	5.3	5
8	Endomembrane architecture and dynamics during secretion of the extracellular matrix of the unicellular charophyte, Penium margaritaceum. *Journal of Experimental Botany*, **2020**, 71, 3323-3339	7	4
7	Plant cell walls: New insights from ancient species. *Plant Signaling and Behavior*, **2008**, 3, 743-745	2.5	3
6	The Genome of the Charophyte AlgaPenium margaritaceumBears Footprints of the Evolutionary Origins of Land Plants		3
5	A tomato LATERAL ORGAN BOUNDARIES transcription factor, , predominantly regulates cell wall and softening components of ripening. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	3
4	Bio-prospecting for novel polysaccharides in microalgae using novel glycan microarrays. *Journal of Biotechnology*, **2008**, 136, S199	3.7	1
3	Dissection of Plant Cell Walls by High-Throughput Methods43-64		1
2	Bio-prospecting across the plant kingdom for industrially relevant cell wall polysaccharides using novel glycan microarrays. *Journal of Biotechnology*, **2008**, 136, S199	3.7	
1	Dissection of Plant Cell Walls by High-Throughput Methods **2018**, 43-64		