

# Iben Srensen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Function of the HYDROXYCINNAMOYL-CoA:SHIKIMATE HYDROXYCINNAMOYL TRANSFERASE is evolutionarily conserved in embryophytes. <i>Plant Cell</i> , <b>2021</b> , 33, 1472-1491	11.6	13
44	A tomato LATERAL ORGAN BOUNDARIES transcription factor, , predominantly regulates cell wall and softening components of ripening. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	3
43	Cutin and suberin: assembly and origins of specialized lipidic cell wall scaffolds. <i>Current Opinion in Plant Biology</i> , <b>2020</b> , 55, 11-20	9.9	57
42	Experimental Manipulation of Pectin Architecture in the Cell Wall of the Unicellular Charophyte,. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 1032	6.2	8
41	Endomembrane architecture and dynamics during secretion of the extracellular matrix of the unicellular charophyte, <i>Penium margaritaceum</i> . <i>Journal of Experimental Botany</i> , <b>2020</b> , 71, 3323-3339	7	4
40	The <i>Penium margaritaceum</i> Genome: Hallmarks of the Origins of Land Plants. <i>Cell</i> , <b>2020</b> , 181, 1097-1111	15.62	62
39	Callose deposition is essential for the completion of cytokinesis in the unicellular alga. <i>Journal of Cell Science</i> , <b>2020</b> , 133,	5.3	5
38	The Tomato Guanylate-Binding Protein SlGBP1 Enables Fruit Tissue Differentiation by Maintaining Endopolyploid Cells in a Non-Proliferative State. <i>Plant Cell</i> , <b>2020</b> , 32, 3188-3205	11.6	7
37	Genetic and metabolic effects of ripening mutations and vine detachment on tomato fruit quality. <i>Plant Biotechnology Journal</i> , <b>2020</b> , 18, 106-118	11.6	23
36	Glycerol-3-phosphate acyltransferase 6 controls filamentous pathogen interactions and cell wall properties of the tomato and <i>Nicotiana benthamiana</i> leaf epidermis. <i>New Phytologist</i> , <b>2019</b> , 223, 1547-1559	9.8	9
35	The Secretome and N-Glycosylation Profiles of the Charophycean Green Alga, <i>Penium margaritaceum</i> , Resemble Those of Embryophytes. <i>Proteomes</i> , <b>2018</b> , 6,	4.6	9
34	Isolation and manipulation of protoplasts from the unicellular green alga <i>Penium margaritaceum</i> . <i>Plant Methods</i> , <b>2018</b> , 14,	5.8	7
33	Dissection of Plant Cell Walls by High-Throughput Methods <b>2018</b> , 43-64		
32	Charophytes: Evolutionary Giants and Emerging Model Organisms. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1470	6.2	22
31	Dissecting the molecular signatures of apical cell-type shoot meristems from two ancient land plant lineages. <i>New Phytologist</i> , <b>2015</b> , 207, 893-904	9.8	31
30	Antibody-based screening of cell wall matrix glycans in ferns reveals taxon, tissue and cell-type specific distribution patterns. <i>BMC Plant Biology</i> , <b>2015</b> , 15, 56	5.3	26
29	Multi-omics analysis identifies genes mediating the extension of cell walls in the <i>Arabidopsis thaliana</i> root elongation zone. <i>Frontiers in Cell and Developmental Biology</i> , <b>2015</b> , 3, 10	5.7	25

28	Genome sequence of the hot pepper provides insights into the evolution of pungency in Capsicum species. <i>Nature Genetics</i> , <b>2014</b> , 46, 270-8	36.3	594
27	The genome of the stress-tolerant wild tomato species Solanum pennellii. <i>Nature Genetics</i> , <b>2014</b> , 46, 1034-8	36.3	269
26	Pectin metabolism and assembly in the cell wall of the charophyte green alga Penium margaritaceum. <i>Plant Physiology</i> , <b>2014</b> , 165, 105-18	6.6	76
25	Stable transformation and reverse genetic analysis of Penium margaritaceum: a platform for studies of charophyte green algae, the immediate ancestors of land plants. <i>Plant Journal</i> , <b>2014</b> , 77, 339-51	6.9	45
24	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. <i>Journal of Experimental Botany</i> , <b>2014</b> , 65, 465-79	7	22
23	Arabinose-rich polymers as an evolutionary strategy to plasticize resurrection plant cell walls against desiccation. <i>Planta</i> , <b>2013</b> , 237, 739-54	4.7	98
22	The glycosyltransferase repertoire of the spikemoss Selaginella moellendorffii and a comparative study of its cell wall. <i>PLoS ONE</i> , <b>2012</b> , 7, e35846	3.7	52
21	The Charophycean green algae as model systems to study plant cell walls and other evolutionary adaptations that gave rise to land plants. <i>Plant Signaling and Behavior</i> , <b>2012</b> , 7, 1-3	2.5	100
20	The Selaginella genome identifies genetic changes associated with the evolution of vascular plants. <i>Science</i> , <b>2011</b> , 332, 960-3	33.3	622
19	Screening and characterization of plant cell walls using carbohydrate microarrays. <i>Methods in Molecular Biology</i> , <b>2011</b> , 715, 115-21	1.4	15
18	The charophycean green algae provide insights into the early origins of plant cell walls. <i>Plant Journal</i> , <b>2011</b> , 68, 201-11	6.9	172
17	Characterisation of the arabinose-rich carbohydrate composition of immature and mature marama beans ( <i>Tylosema esculentum</i> ). <i>Phytochemistry</i> , <b>2011</b> , 72, 1466-72	4	12
16	How have plant cell walls evolved?. <i>Plant Physiology</i> , <b>2010</b> , 153, 366-72	6.6	99
15	The Cell Wall Polymers of the Charophycean Green Alga Chara corallina: Immunobinding and Biochemical Screening. <i>International Journal of Plant Sciences</i> , <b>2010</b> , 171, 345-361	2.6	13
14	A specialized outer layer of the primary cell wall joins elongating cotton fibers into tissue-like bundles. <i>Plant Physiology</i> , <b>2009</b> , 150, 684-99	6.6	67
13	The distribution of cell wall polymers during antheridium development and spermatogenesis in the Charophycean green alga, Chara corallina. <i>Annals of Botany</i> , <b>2009</b> , 104, 1045-56	4.1	41
12	An array of possibilities for pectin. <i>Carbohydrate Research</i> , <b>2009</b> , 344, 1872-8	2.9	22
11	High-throughput screening of Erwinia chrysanthemi pectin methylesterase variants using carbohydrate microarrays. <i>Proteomics</i> , <b>2009</b> , 9, 1861-8	4.8	12

10	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. <i>Plant Journal</i> , <b>2008</b> , 54, 510-21	6.9	133
9	Bio-prospecting across the plant kingdom for industrially relevant cell wall polysaccharides using novel glycan microarrays. <i>Journal of Biotechnology</i> , <b>2008</b> , 136, S199	3.7	
8	Bio-prospecting for novel polysaccharides in microalgae using novel glycan microarrays. <i>Journal of Biotechnology</i> , <b>2008</b> , 136, S199	3.7	1
7	Functional analysis of the cellulose synthase-like genes CSLD1, CSLD2, and CSLD4 in tip-growing Arabidopsis cells. <i>Plant Physiology</i> , <b>2008</b> , 148, 1238-53	6.6	110
6	Plant cell walls: New insights from ancient species. <i>Plant Signaling and Behavior</i> , <b>2008</b> , 3, 743-745	2.5	3
5	High-throughput microarray analysis of pectic polymers by enzymatic epitope deletion. <i>Carbohydrate Polymers</i> , <b>2007</b> , 70, 77-81	10.3	10
4	High-throughput mapping of cell-wall polymers within and between plants using novel microarrays. <i>Plant Journal</i> , <b>2007</b> , 50, 1118-28	6.9	241
3	Functional genomic analysis supports conservation of function among cellulose synthase-like a gene family members and suggests diverse roles of mannans in plants. <i>Plant Physiology</i> , <b>2007</b> , 143, 1881-93	6.6	160
2	The Genome of the Charophyte Alga <i>Penium margaritaceum</i> Bears Footprints of the Evolutionary Origins of Land Plants		3
1	Dissection of Plant Cell Walls by High-Throughput Methods	4.3-6.4	1