

# Tracie A Hennen-Bierwagen

## List of Publications by Citations

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**Version:** 2024-04-28

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21  
papers

883  
citations

14  
h-index

21  
g-index

21  
ext. papers

1,019  
ext. citations

7  
avg, IF

3.55  
L-index

#	Paper	IF	Citations
21	Starch biosynthetic enzymes from developing maize endosperm associate in multisubunit complexes. <i>Plant Physiology</i> , <b>2008</b> , 146, 1892-908	6.6	163
20	Proteins from multiple metabolic pathways associate with starch biosynthetic enzymes in high molecular weight complexes: a model for regulation of carbon allocation in maize amyloplasts. <i>Plant Physiology</i> , <b>2009</b> , 149, 1541-59	6.6	156
19	Control of <i>Saccharomyces cerevisiae</i> filamentous growth by cyclin-dependent kinase Cdc28. <i>Molecular and Cellular Biology</i> , <b>1999</b> , 19, 1369-80	4.8	76
18	Functions of heteromeric and homomeric isoamylase-type starch-debranching enzymes in developing maize endosperm. <i>Plant Physiology</i> , <b>2010</b> , 153, 956-69	6.6	71
17	Maize opaque5 encodes monogalactosyldiacylglycerol synthase and specifically affects galactolipids necessary for amyloplast and chloroplast function. <i>Plant Cell</i> , <b>2011</b> , 23, 2331-47	11.6	69
16	Functional interactions between starch synthase III and isoamylase-type starch-debranching enzyme in maize endosperm. <i>Plant Physiology</i> , <b>2012</b> , 158, 679-92	6.6	69
15	Integrated functions among multiple starch synthases determine both amylopectin chain length and branch linkage location in Arabidopsis leaf starch. <i>Journal of Experimental Botany</i> , <b>2011</b> , 62, 4547-59 <sup>7</sup>		60
14	Functions of multiple genes encoding ADP-glucose pyrophosphorylase subunits in maize endosperm, embryo, and leaf. <i>Plant Physiology</i> , <b>2014</b> , 164, 596-611	6.6	49
13	Function of isoamylase-type starch debranching enzymes ISA1 and ISA2 in the Zea mays leaf. <i>New Phytologist</i> , <b>2013</b> , 200, 1009-21	9.8	27
12	Fermentative production of short-chain fatty acids in Escherichia coli. <i>Microbiology (United Kingdom)</i> , <b>2014</b> , 160, 1513-1522	2.9	27
11	Distinct functional properties of isoamylase-type starch debranching enzymes in monocot and dicot leaves. <i>Plant Physiology</i> , <b>2013</b> , 163, 1363-75	6.6	27
10	Functions of maize genes encoding pyruvate phosphate dikinase in developing endosperm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E24-E33	11.5	20
9	Effects of long-term exposure to elevated temperature on Zea mays endosperm development during grain fill. <i>Plant Journal</i> , <b>2019</b> , 99, 23-40	6.9	18
8	Comparative in vitro analyses of recombinant maize starch synthases SSI, SSIIa, and SSIII reveal direct regulatory interactions and thermosensitivity. <i>Archives of Biochemistry and Biophysics</i> , <b>2016</b> , 596, 63-72	4.1	14
7	Genomic Specification of Starch Biosynthesis in Maize Endosperm <b>2013</b> , 123-137		14
6	Genome assembly and population genomic analysis provide insights into the evolution of modern sweet corn. <i>Nature Communications</i> , <b>2021</b> , 12, 1227	17.4	9
5	Engineering 6-phosphogluconate dehydrogenase improves grain yield in heat-stressed maize. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> ,	11.5	8

4	Pullulanase and Starch Synthase III Are Associated with Formation of Vitreous Endosperm in Quality Protein Maize. <i>PLoS ONE</i> , <b>2015</b> , 10, e0130856	3.7	4
3	Engineering 6-phosphogluconate dehydrogenase to improve heat tolerance in maize seed development		1
2	Direct Determination of the Site of Addition of Glucosyl Units to Maltooligosaccharide Acceptors Catalyzed by Maize Starch Synthase I. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1252	6.2	1
1	Transgenic analysis of maize endosperm metabolism. <i>FASEB Journal</i> , <b>2019</b> , 33, 486.4	0.9	