

Tracie A Hennen-Bierwagen

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.

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	Genome assembly and population genomic analysis provide insights into the evolution of modern sweet corn. <i>Nature Communications</i> , 2021 , 12, 1227	17.4	9
20	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> , 2020 ,	11.5	8
19	Transgenic analysis of maize endosperm metabolism. <i>FASEB Journal</i> , 2019 , 33, 486.4	0.9	
18	Effects of long-term exposure to elevated temperature on Zea mays endosperm development during grain fill. <i>Plant Journal</i> , 2019 , 99, 23-40	6.9	18
17	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> , 2018 , 115, E24-E33	11.5	20
16	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> , 2018 , 9, 1252	6.2	1
15	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> , 2016 , 596, 63-72	4.1	14
14	Pullulanase and Starch Synthase III Are Associated with Formation of Vitreous Endosperm in Quality Protein Maize. <i>PLoS ONE</i> , 2015 , 10, e0130856	3.7	4
13	Functions of multiple genes encoding ADP-glucose pyrophosphorylase subunits in maize endosperm, embryo, and leaf. <i>Plant Physiology</i> , 2014 , 164, 596-611	6.6	49
12	Fermentative production of short-chain fatty acids in Escherichia coli. <i>Microbiology (United Kingdom)</i> , 2014 , 160, 1513-1522	2.9	27
11	Genomic Specification of Starch Biosynthesis in Maize Endosperm 2013 , 123-137		14
10	Function of isoamylase-type starch debranching enzymes ISA1 and ISA2 in the Zea mays leaf. <i>New Phytologist</i> , 2013 , 200, 1009-21	9.8	27
9	Distinct functional properties of isoamylase-type starch debranching enzymes in monocot and dicot leaves. <i>Plant Physiology</i> , 2013 , 163, 1363-75	6.6	27
8	Functional interactions between starch synthase III and isoamylase-type starch-debranching enzyme in maize endosperm. <i>Plant Physiology</i> , 2012 , 158, 679-92	6.6	69
7	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> , 2011 , 62, 4547-597		60
6	Maize opaque5 encodes monogalactosyldiacylglycerol synthase and specifically affects galactolipids necessary for amyloplast and chloroplast function. <i>Plant Cell</i> , 2011 , 23, 2331-47	11.6	69
5	Functions of heteromeric and homomeric isoamylase-type starch-debranching enzymes in developing maize endosperm. <i>Plant Physiology</i> , 2010 , 153, 956-69	6.6	71

4	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> , 2009 , 149, 1541-59	6.6	156
3	Starch biosynthetic enzymes from developing maize endosperm associate in multisubunit complexes. <i>Plant Physiology</i> , 2008 , 146, 1892-908	6.6	163
2	Control of <i>Saccharomyces cerevisiae</i> filamentous growth by cyclin-dependent kinase Cdc28. <i>Molecular and Cellular Biology</i> , 1999 , 19, 1369-80	4.8	76
1	Engineering 6-phosphogluconate dehydrogenase to improve heat tolerance in maize seed development		1