

Barbara Pfister

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4398935/publications.pdf>

Version: 2024-02-01

10
papers

544
citations

1040056

9
h-index

1372567

10
g-index

13
all docs

13
docs citations

13
times ranked

682
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of starch in plant cells. Cellular and Molecular Life Sciences, 2016, 73, 2781-2807.	5.4	268
2	Distinct Functions of STARCH SYNTHASE 4 Domains in Starch Granule Formation. Plant Physiology, 2018, 176, 566-581.	4.8	50
3	STARCH SYNTHASE5, a Noncanonical Starch Synthase-Like Protein, Promotes Starch Granule Initiation in Arabidopsis. Plant Cell, 2020, 32, 2543-2565.	6.6	49
4	Genetic Evidence That Chain Length and Branch Point Distributions Are Linked Determinants of Starch Granule Formation in Arabidopsis. Plant Physiology, 2014, 165, 1457-1474.	4.8	46
5	A multifaceted analysis reveals two distinct phases of chloroplast biogenesis during de-etiolation in Arabidopsis. ELife, 2021, 10, .	6.0	41
6	The Heteromultimeric Debranching Enzyme Involved in Starch Synthesis in Arabidopsis Requires Both Isoamylase1 and Isoamylase2 Subunits for Complex Stability and Activity. PLoS ONE, 2013, 8, e75223.	2.5	31
7	Recreating the synthesis of starch granules in yeast. ELife, 2016, 5, .	6.0	27
8	Theoretical and experimental approaches to understand the biosynthesis of starch granules in a physiological context. Photosynthesis Research, 2020, 145, 55-70.	2.9	13
9	Molecular genetic analysis of glucan branching enzymes from plants and bacteria in Arabidopsis reveals marked differences in their functions and capacity to mediate starch granule formation. Plant Physiology, 2015, 169, pp.00792.2015.	4.8	11
10	Single-run HPLC Quantification of Plant Cell Wall Monosaccharides. Bio-protocol, 2020, 10, e3546.	0.4	5