

Eiji Suzuki

List of Publications by Year in descending order

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14
papers

597
citations

759233

12
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

540
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic Symbiosis and the Birth of the Plant Kingdom. <i>Molecular Biology and Evolution</i> , 2008, 25, 536-548.	8.9	153
2	Some Cyanobacteria Synthesize Semi-amylopectin Type α -Polyglucans Instead of Glycogen. <i>Plant and Cell Physiology</i> , 2005, 46, 539-545.	3.1	107
3	Diversity of reaction characteristics of glucan branching enzymes and the fine structure of α -glucan from various sources. <i>Archives of Biochemistry and Biophysics</i> , 2014, 562, 9-21.	3.0	60
4	Bound Substrate in the Structure of Cyanobacterial Branching Enzyme Supports a New Mechanistic Model. <i>Journal of Biological Chemistry</i> , 2017, 292, 5465-5475.	3.4	48
5	Distribution of glucan-branching enzymes among prokaryotes. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 2643-2660.	5.4	44
6	Variation of Storage Polysaccharides in Phototrophic Microorganisms. <i>Journal of Applied Glycoscience</i> (1999), 2013, 60, 21-27.	0.7	41
7	Role of the GlgX protein in glycogen metabolism of the cyanobacterium, <i>Synechococcus elongatus</i> PCC 7942. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007, 1770, 763-773.	2.4	38
8	Physicochemical Variation of Cyanobacterial Starch, the Insoluble α -Glucans in Cyanobacteria. <i>Plant and Cell Physiology</i> , 2013, 54, 465-473.	3.1	24
9	Functional characterization of three (GH13) branching enzymes involved in cyanobacterial starch biosynthesis from <i>Cyanobacterium</i> sp. NBRC 102756. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 476-484.	2.3	22
10	Convergent Evolution of Polysaccharide Debranching Defines a Common Mechanism for Starch Accumulation in Cyanobacteria and Plants. <i>Plant Cell</i> , 2013, 25, 3961-3975.	6.6	21
11	Crystallization and crystallographic analysis of branching enzymes from <i>Cyanothece</i> sp. ATCC 51142. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 1109-1113.	0.8	15
12	Characterization of Function of the GlgA2 Glycogen/Starch Synthase in <i>Cyanobacterium</i> sp. Clg1 Highlights Convergent Evolution of Glycogen Metabolism into Starch Granule Aggregation. <i>Plant Physiology</i> , 2016, 171, 1879-1892.	4.8	15
13	Structure and Function of Branching Enzymes in Eukaryotes. <i>Trends in Glycoscience and Glycotechnology</i> , 2020, 32, E21-E30.	0.1	5
14	Cyanobacterial branching enzymes bind to α -glucan via surface binding sites. <i>Archives of Biochemistry and Biophysics</i> , 2021, 702, 108821.	3.0	4