

Yasunori Nakamura

List of Publications by Year in descending order

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122
papers

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44444

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95
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122
all docs

122
docs citations

122
times ranked

4145
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#	ARTICLE	IF	CITATIONS
1	On the cluster structure of amylopectin. <i>Plant Molecular Biology</i> , 2022, 108, 291-306.	2.0	21
2	Suppressed expression of starch branching enzyme 1 and 2 increases resistant starch and amylose content and modifies amylopectin structure in cassava. <i>Plant Molecular Biology</i> , 2022, 108, 413-427.	2.0	8
3	Changes in fine structure of amylopectin and internal structures of starch granules in developing endosperms and culms caused by starch branching enzyme mutations of japonica rice. <i>Plant Molecular Biology</i> , 2022, 108, 481-496.	2.0	4
4	Molecular regulation of starch metabolism. <i>Plant Molecular Biology</i> , 2022, 108, 289-290.	2.0	2
5	Effects of BE1b-Deficiency on the Cluster Structure of Amylopectin and the Internal Structure of Starch Granules in Endosperm and Culm of Japonica-Type Rice. <i>Frontiers in Plant Science</i> , 2020, 11, 571346.	1.7	12
6	Determination of Organic Acids in Honey by Liquid Chromatography with Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2020, 13, 2249-2257.	1.3	28
7	Analysis of malto-oligosaccharides and related metabolites in rice endosperm during development. <i>Planta</i> , 2020, 251, 110.	1.6	6
8	Structural features of α -glucans in the very early developmental stage of rice endosperm. <i>Journal of Cereal Science</i> , 2019, 89, 102778.	1.8	8
9	Rice starch biotechnology: Rice endosperm as a model of cereal endosperms. <i>Starch/Staerke</i> , 2018, 70, 1600375.	1.1	44
10	Effects of Shear and Heat Milling Treatment on Thermal Properties and Molecular Structures of Rice Starch. <i>Starch/Staerke</i> , 2018, 70, 1700164.	1.1	12
11	Contributions of Three Starch Branching Enzyme Isozymes to the Fine Structure of Amylopectin in Rice Endosperm. <i>Frontiers in Plant Science</i> , 2018, 9, 1536.	1.7	42
12	Ungerminated Rice Grains Observed by Femtosecond Pulse Laser Second-Harmonic Generation Microscopy. <i>Journal of Physical Chemistry B</i> , 2018, 122, 7855-7861.	1.2	2
13	[Review] An Overview of the Starch Biosynthetic Processes in Cereals. <i>Bulletin of Applied Glycoscience</i> , 2018, 8, 117-123.	0.0	0
14	[Review] Effects of Amorphous Rice on Rice Batter Properties and Molecular Structures of Rice Starch. <i>Bulletin of Applied Glycoscience</i> , 2018, 8, 129-137.	0.0	0
15	Differences in specificity and compensatory functions among three major starch synthases determine the structure of amylopectin in rice endosperm. <i>Plant Molecular Biology</i> , 2017, 94, 399-417.	2.0	34
16	Critical and speculative review of the roles of multi-protein complexes in starch biosynthesis in cereals. <i>Plant Science</i> , 2017, 262, 1-8.	1.7	86
17	Characterization of the functional interactions of plastidial starch phosphorylase and starch branching enzymes from rice endosperm during reserve starch biosynthesis. <i>Plant Science</i> , 2017, 264, 83-95.	1.7	37
18	Biochemical analysis of new type mutants of japonica rice that accumulate water-soluble α -glucans in the endosperm but retain full starch debranching enzyme activities. <i>Starch/Staerke</i> , 2017, 69, 1600159.	1.1	7

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19	Comparison of Chain-Length Preferences and Glucan Specificities of Isoamylase-Type α -Glucan Debranching Enzymes from Rice, Cyanobacteria, and Bacteria. <i>PLoS ONE</i> , 2016, 11, e0157020.	1.1	13
20	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.	2.3	15
21	Profiling of lipid and glycogen accumulations under different growth conditions in the sulfothermophilic red alga <i>Galdieria sulphuraria</i> . <i>Bioresource Technology</i> , 2016, 200, 861-866.	4.8	44
22	Deficiency of Starch Synthase IIIa and IVb Alters Starch Granule Morphology from Polyhedral to Spherical in Rice Endosperm. <i>Plant Physiology</i> , 2016, 170, 1255-1270.	2.3	131
23	Thermal and Pasting Properties, Morphology of Starch Granules, and Crystallinity of Endosperm Starch in the Rice SSI and SSIIIa Double-Mutant. <i>Journal of Applied Glycoscience</i> (1999), 2015, 62, 81-86.	0.3	16
24	Biosynthesis of Reserve Starch. , 2015, , 161-209.		35
25	Initiation Process of Starch Biosynthesis. , 2015, , 315-332.		7
26	Amylopectin biosynthetic enzymes from developing rice seed form enzymatically active protein complexes. <i>Journal of Experimental Botany</i> , 2015, 66, 4469-4482.	2.4	129
27	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.	1.1	22
28	Common reed accumulates starch in its stem by metabolic adaptation under Cd stress conditions. <i>Frontiers in Plant Science</i> , 2015, 6, 138.	1.7	32
29	Wetting effect on optical sum frequency generation (SFG) spectra of d-glucose, d-fructose, and sucrose. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 138, 834-839.	2.0	14
30	The Rice Endosperm ADP-Glucose Pyrophosphorylase Large Subunit is Essential for Optimal Catalysis and Allosteric Regulation of the Heterotetrameric Enzyme. <i>Plant and Cell Physiology</i> , 2014, 55, 1169-1183.	1.5	69
31	Deficiencies in both starch synthase IIIa and branching enzyme IIb lead to a significant increase in amylose in SSIIIa-inactive japonica rice seeds. <i>Journal of Experimental Botany</i> , 2014, 65, 5497-5507.	2.4	85
32	In vitro studies of enzymatic properties of starch synthases and interactions between starch synthase I and starch branching enzymes from rice. <i>Plant Science</i> , 2014, 224, 1-8.	1.7	47
33	Relationships between starch synthase I and branching enzyme isozymes determined using double mutant rice lines. <i>BMC Plant Biology</i> , 2014, 14, 80.	1.6	100
34	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.	1.4	60
35	Physicochemical Variation of Cyanobacterial Starch, the Insoluble α -Glucans in Cyanobacteria. <i>Plant and Cell Physiology</i> , 2013, 54, 465-473.	1.5	24
36	Convergent Evolution of Polysaccharide Debranching Defines a Common Mechanism for Starch Accumulation in Cyanobacteria and Plants. <i>Plant Cell</i> , 2013, 25, 3961-3975.	3.1	21

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37	Physicochemical properties and the fine structure of endosperm starches from brewing suitable <i><i>japonica</i></i> -type rice cultivar " <i><i>Akita-sake-komachi</i></i> " grown in different years. <i>Journal of the Brewing Society of Japan</i> , 2013, 108, 675-685.	0.1	6
38	Special Issue ^ ^quot;Starch Metabolism, Structure and Properties^ ^quot; Characterization of Starch and Glycogen Branching Enzymes from Various Sources. <i>Journal of Applied Glycoscience</i> (1999), 2013, 60, .	0.3	1
39	Functional Study of Rice Starch Synthase I (SSI) by Using Double Mutant with Lowered Activities of SSI and Isoamylase1. <i>Journal of Applied Glycoscience</i> (1999), 2013, 60, 45-51.	0.3	7
40	Thermal Properties, Morphology of Starch Granules and Crystallinity of Endosperm Starch in SSI and BE Isozymes Double Mutant Lines. <i>Journal of Applied Glycoscience</i> (1999), 2013, 60, 171-176.	0.3	20
41	Functional Interaction Between Plastidial Starch Phosphorylase and Starch Branching Enzymes from Rice During the Synthesis of Branched Maltodextrins. <i>Plant and Cell Physiology</i> , 2012, 53, 869-878.	1.5	82
42	Elongated phytyglycogen chain length in transgenic rice endosperm expressing active starch synthase Ila affects the altered solubility and crystallinity of the storage 1±-glucan. <i>Journal of Experimental Botany</i> , 2012, 63, 5859-5872.	2.4	41
43	Lack of starch synthase IIIa and high expression of granule-bound starch synthase I synergistically increase the apparent amylose content in rice endosperm. <i>Plant Science</i> , 2012, 193-194, 62-69.	1.7	68
44	[Review: Prize-awarded article] Elucidation and Regulation of the Metabolic System for Starch Biosynthesis. <i>Bulletin of Applied Glycoscience</i> , 2012, 2, 23-32.	0.0	1
45	Structures of Starches from Rice Mutants Deficient in the Starch Synthase Isozyme SSI or SSIIIa. <i>Biomacromolecules</i> , 2011, 12, 1621-1628.	2.6	37
46	Effects of granule-bound starch synthase I-defective mutation on the morphology and structure of pyrenoidal starch in <i>Chlamydomonas</i> . <i>Plant Science</i> , 2011, 180, 238-245.	1.7	23
47	New Assay Method for Starch Branching Enzyme and Starch Synthase by the Chain-length Distribution Analysis. <i>Journal of Applied Glycoscience</i> (1999), 2011, 58, 119-123.	0.3	6
48	Functional Diversity of Isoamylase Oligomers: The ISA1 Homo-Oligomer Is Essential for Amylopectin Biosynthesis in Rice Endosperm. <i>Plant Physiology</i> , 2011, 156, 61-77.	2.3	92
49	Starch biosynthesis in rice endosperm requires the presence of either starch synthase I or IIIa. <i>Journal of Experimental Botany</i> , 2011, 62, 4819-4831.	2.4	95
50	Starch biosynthesis in cereal endosperm. <i>Plant Physiology and Biochemistry</i> , 2010, 48, 383-392.	2.8	410
51	Glucose 1â€phosphate is efficiently taken up by potato (<i><i>Solanum tuberosum</i></i>) tuber parenchyma cells and converted to reserve starch granules. <i>New Phytologist</i> , 2010, 185, 663-675.	3.5	65
52	Effects of Temperature on Starch Branching Enzyme Properties of Rice. <i>Journal of Applied Glycoscience</i> (1999), 2010, 58, 19-26.	0.3	38
53	Carbohydrate Metabolism in Mutants of the Cyanobacterium <i><i>Synechococcus elongatus</i></i> PCC 7942 Defective in Glycogen Synthesis. <i>Applied and Environmental Microbiology</i> , 2010, 76, 3153-3159.	1.4	108
54	The primitive rhodophyte <i>Cyanidioschyzon merolae</i> contains a semiamylopectin-type, but not an amylose-type, 1±-glucan. <i>Plant and Cell Physiology</i> , 2010, 51, 682-693.	1.5	29

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55	Development of Coenzyme Q10-Enriched Rice Using <i>Sugary</i> and <i>Shrunken</i> Mutants. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 182-184.	0.6	22
56	Characterization of the Reactions of Starch Branching Enzymes from Rice Endosperm. <i>Plant and Cell Physiology</i> , 2010, 51, 776-794.	1.5	146
57	Quantitative Assay Method for Starch Branching Enzyme with Bicinchoninic Acid by Measuring the Reducing Terminals of Glucans. <i>Journal of Applied Glycoscience</i> (1999), 2009, 56, 215-222.	0.3	17
58	Chlorella Starch Branching Enzyme II (BEII) Can Complement the Function of BEIIb in Rice Endosperm. <i>Plant and Cell Physiology</i> , 2009, 50, 1062-1074.	1.5	34
59	Characterization of pullulanase (PUL)-deficient mutants of rice (<i>Oryza sativa</i> L.) and the function of PUL on starch biosynthesis in the developing rice endosperm. <i>Journal of Experimental Botany</i> , 2009, 60, 1009-1023.	2.4	158
60	Sequential Analysis of α -Glucooligosaccharides with α -(1 \rightarrow 4) and α -(1 \rightarrow 6) Linkages by Negative Ion Q-TOF MS/MS Spectrometry. <i>Journal of Carbohydrate Chemistry</i> , 2009, 28, 421-430.	0.4	5
61	Profiling of a microbial community under confined conditions in a fed-batch garbage decomposer by denaturing gradient gel electrophoresis. <i>Bioresource Technology</i> , 2008, 99, 3084-3093.	4.8	8
62	Mutation of the Plastidial α -Glucan Phosphorylase Gene in Rice Affects the Synthesis and Structure of Starch in the Endosperm. <i>Plant Cell</i> , 2008, 20, 1833-1849.	3.1	250
63	Pathway of Cytosolic Starch Synthesis in the Model Glaucophyte <i>Cyanophora paradoxa</i> . <i>Eukaryotic Cell</i> , 2008, 7, 247-257.	3.4	49
64	Metabolic Symbiosis and the Birth of the Plant Kingdom. <i>Molecular Biology and Evolution</i> , 2008, 25, 536-548.	3.5	153
65	Variation in Storage α -Glucans of the Porphyridiales (Rhodophyta). <i>Plant and Cell Physiology</i> , 2008, 49, 103-116.	1.5	55
66	The Function of Rice Starch Synthase I Expressed in <i>Escherichia coli</i> . <i>Journal of Applied Glycoscience</i> (1999), 2008, 55, 167-172.	0.3	17
67	Characterization of SSIIIa-Deficient Mutants of Rice: The Function of SSIIIa and Pleiotropic Effects by SSIIIa Deficiency in the Rice Endosperm. <i>Plant Physiology</i> , 2007, 144, 2009-2023.	2.3	335
68	Physicochemical properties of starch in <i>Chlorella</i> change depending on the CO ₂ concentration during growth: Comparison of structure and properties of pyrenoid and stroma starch. <i>Plant Science</i> , 2007, 172, 1138-1147.	1.7	64
69	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.	1.1	38
70	Common reed produces starch granules at the shoot base in response to salt stress. <i>New Phytologist</i> , 2007, 176, 572-580.	3.5	77
71	Variation in Storage α -Polyglucans of Red Algae: Amylose and Semi-Amylopectin Types in <i>Porphyridium</i> and Glycogen Type in <i>Cyanidium</i> . <i>Marine Biotechnology</i> , 2007, 9, 192-202.	1.1	47
72	Short-Chain-Length Distribution in Debranched Rice Starches Differing in Gelatinization Temperature or Cooked Rice Hardness. <i>Starch/Staerke</i> , 2006, 58, 155-160.	1.1	25

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73	Expression profiling of genes related to starch synthesis in rice leaf sheaths during the heading period. <i>Physiologia Plantarum</i> , 2006, 128, 425-435.	2.6	54
74	Expression profiling of starch metabolism-related plastidic translocator genes in rice. <i>Planta</i> , 2006, 223, 248-257.	1.6	51
75	Granule-bound starch synthase cDNA in <i>Chlorella kessleri</i> 11Âh: cloning and regulation of expression by CO ₂ concentration. <i>Planta</i> , 2006, 224, 646-654.	1.6	17
76	Structural and enzymatic characterization of the isoamylase1 homo-oligomer and the isoamylase1â€“isoamylase2 hetero-oligomer from rice endosperm. <i>Planta</i> , 2006, 225, 75-87.	1.6	76
77	Molecular and biochemical analysis of the gelatinization temperature characteristics of rice (<i>Oryza</i>) Tj ETQq1 1 0.784314 rgBTJ/Overloc	1.8	23
78	Function and Characterization of Starch Synthase I Using Mutants in Rice. <i>Plant Physiology</i> , 2006, 140, 1070-1084.	2.3	339
79	Roles of isoamylase and ADP-glucose pyrophosphorylase in starch granule synthesis in rice endosperm. <i>Plant Journal</i> , 2005, 42, 164-174.	2.8	101
80	Essential amino acids of starch synthase IIa differentiate amylopectin structure and starch quality between japonica and indica rice varieties. <i>Plant Molecular Biology</i> , 2005, 58, 213-227.	2.0	264
81	Some Cyanobacteria Synthesize Semi-amylopectin Type Î±-Polyglucans Instead of Glycogen. <i>Plant and Cell Physiology</i> , 2005, 46, 539-545.	1.5	107
82	Expression profiling of genes involved in starch synthesis in sink and source organs of rice. <i>Journal of Experimental Botany</i> , 2005, 56, 3229-3244.	2.4	399
83	Complementation of sugary-1 Phenotype in Rice Endosperm with the Wheat Isoamylase1 Gene Supports a Direct Role for Isoamylase1 in Amylopectin Biosynthesis. <i>Plant Physiology</i> , 2005, 137, 43-56.	2.3	91
84	Natural variation in rice starch synthase IIa affects enzyme and starch properties. <i>Functional Plant Biology</i> , 2004, 31, 671.	1.1	149
85	The structure of starch can be manipulated by changing the expression levels of starch branching enzyme IIb in rice endosperm. <i>Plant Biotechnology Journal</i> , 2004, 2, 507-516.	4.1	187
86	Structures and Properties of Amylopectin and Phytoglycogen in the Endosperm of sugary-1 Mutants of Rice. <i>Journal of Cereal Science</i> , 2003, 37, 139-149.	1.8	117
87	Starch-Branching Enzyme I-Deficient Mutation Specifically Affects the Structure and Properties of Starch in Rice Endosperm. <i>Plant Physiology</i> , 2003, 133, 1111-1121.	2.3	265
88	Antisense Inhibition of Isoamylase Alters the Structure of Amylopectin and the Physicochemical Properties of Starch in Rice Endosperm. <i>Plant and Cell Physiology</i> , 2003, 44, 607-618.	1.5	165
89	Isolation and Characterization of Starch Mutants in Rice. <i>Journal of Applied Glycoscience</i> (1999), 2003, 50, 225-230.	0.3	44
90	Engineering of Amylopectin Biosynthesis in Rice Endosperm. <i>Journal of Applied Glycoscience</i> (1999), 2003, 50, 197-200.	0.3	6

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91	Towards a Better Understanding of the Metabolic System for Amylopectin Biosynthesis in Plants: Rice Endosperm as a Model Tissue. <i>Plant and Cell Physiology</i> , 2002, 43, 718-725.	1.5	447
92	The fine Structure of Amylopectin in Endosperm from Asian Cultivated Rice can be largely Classified into two Classes. <i>Starch/Staerke</i> , 2002, 54, 117-131.	1.1	205
93	Biochemical and Genetic Analysis of the Effects of Amylose-Extender Mutation in Rice Endosperm. <i>Plant Physiology</i> , 2001, 127, 459-472.	2.3	154
94	Biochemical and Genetic Analysis of the Effects of Amylose-Extender Mutation in Rice Endosperm. <i>Plant Physiology</i> , 2001, 127, 459-472.	2.3	486
95	The Starch-Debranching Enzymes Isoamylase and Pullulanase Are Both Involved in Amylopectin Biosynthesis in Rice Endosperm. <i>Plant Physiology</i> , 1999, 121, 399-410.	2.3	245
96	Purification, characterization, and cDNA structure of isoamylase from developing endosperm of rice. <i>Planta</i> , 1999, 208, 283-293.	1.6	111
97	Differences in Amylopectin Structure Between Two Rice Varieties in Relation to the Effects of Temperature During Grain-Filling. <i>Starch/Staerke</i> , 1999, 51, 58-62.	1.1	134
98	Genomic DNA sequence of a rice gene coding for a pullulanase-type of starch debranching enzyme. <i>BBA - Proteins and Proteomics</i> , 1998, 1387, 469-477.	2.1	12
99	Correlation between activities of starch debranching enzyme and alpha-polyglucan structure in endosperms of sugary-1 mutants of rice. <i>Plant Journal</i> , 1997, 12, 143-153.	2.8	170
100	Some properties of starch debranching enzymes and their possible role in amylopectin biosynthesis. <i>Plant Science</i> , 1996, 121, 1-18.	1.7	91
101	Starch debranching enzyme (R-enzyme or pullulanase) from developing rice endosperm: purification, cDNA and chromosomal localization of the gene. <i>Planta</i> , 1996, 199, 209-18.	1.6	110
102	Changes in structure of starch and enzyme activities affected by sugary mutations in developing rice endosperm. Possible role of starch debranching enzyme (R-enzyme) in amylopectin biosynthesis. <i>Physiologia Plantarum</i> , 1996, 97, 491-498.	2.6	130
103	Changes in structure of starch and enzyme activities affected by sugary mutations in developing rice endosperm. Possible role of starch debranching enzyme (R-enzyme) in amylopectin biosynthesis. <i>Physiologia Plantarum</i> , 1996, 97, 491-498.	2.6	22
104	Purification and some properties of starch branching enzyme (Q-enzyme) from tuberous root of sweet potato. <i>Physiologia Plantarum</i> , 1994, 91, 763-769.	2.6	0
105	Effect of grain location on the panicle on activities involved in starch synthesis in rice endosperm. <i>Phytochemistry</i> , 1994, 36, 843-847.	1.4	50
106	Changes in enzyme activities associated with carbohydrate metabolism during the development of rice endosperm. <i>Plant Science</i> , 1992, 82, 15-20.	1.7	90
107	Purification of two forms of starch branching enzyme (Q-enzyme) from developing rice endosperm. <i>Physiologia Plantarum</i> , 1992, 84, 329-335.	2.6	75
108	Multiple forms of ADPglucose pyrophosphorylase of rice endosperm. <i>Physiologia Plantarum</i> , 1992, 84, 336-342.	2.6	38

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109	Purification of two forms of starch branching enzyme (Q-enzyme) from developing rice endosperm. <i>Physiologia Plantarum</i> , 1992, 84, 329-335.	2.6	15
110	Carbohydrate Metabolism in the Developing Endosperm of Rice Grains. <i>Plant and Cell Physiology</i> , 1989, 30, 833-839.	1.5	361
111	Regulation of ADP-Glucose Pyrophosphorylase from <i>Chlorella vulgaris</i> . <i>Plant Physiology</i> , 1985, 78, 601-605.	2.3	24
112	Radioactivity detection system with a CaF ₂ (Eu) scintillator for high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1985, 333, 83-92.	1.8	8
113	Characterization of <i>Chlorella</i> phosphorylase: The glucan specificity and effect of temperature. <i>Phytochemistry</i> , 1983, 22, 2395-2399.	1.4	9
114	Characteristics of α -glucan phosphorylase from <i>Chlorella vulgaris</i> . <i>Phytochemistry</i> , 1983, 22, 835-840.	1.4	26
115	Change in properties of starch when photosynthesized at different temperatures in <i>Chlorella vulgaris</i> . <i>Plant Science Letters</i> , 1983, 31, 123-131.	1.9	9
116	Change in molecular weight distribution in starch when degraded at different temperatures in <i>Chlorella vulgaris</i> . <i>Plant Science Letters</i> , 1983, 30, 259-265.	1.9	12
117	Change in starch photosynthesized at different temperatures in <i>Chlorella</i> . <i>Plant Science Letters</i> , 1982, 27, 1-6.	1.9	8
118	Effects of temperature and CO ₂ concentration on photosynthetic CO ₂ fixation by <i>Chlorella</i> . <i>Plant and Cell Physiology</i> , 1980, 21, 765-774.	1.5	12
119	The light-dependent step of de novo synthesis of long chain fatty acids in spinach chloroplasts. <i>Plant Science Letters</i> , 1979, 14, 291-295.	1.9	22
120	Fatty acid synthesis by spinach chloroplasts II. The path from PGA to fatty acids. <i>Plant and Cell Physiology</i> , 1975, 16, 151-162.	1.5	60
121	Fatty acid synthesis by spinach chloroplasts I. Property of fatty acid synthesis from acetate. <i>Plant and Cell Physiology</i> , 1975, 16, 139-149.	1.5	38
122	Fatty acid synthesis by spinach chloroplasts III. Relationship between fatty acid synthesis and photophosphorylation. <i>Plant and Cell Physiology</i> , 1975, 16, 163-174.	1.5	10