Thomas W Okita

List of Publications by Year
in descending order

159 papers	7,588 citations	38742 50 h-index	66911 78 g-index
164 all docs	164 docs citations	164 times ranked	3633 citing authors

#	Article	IF	Citations
1	Mutation of the Plastidial Î±-Glucan Phosphorylase Gene in Rice Affects the Synthesis and Structure of Starch in the Endosperm. Plant Cell, 2008, 20, 1833-1849.	6.6	250
2	Immunochemical studies on the role of the Golgi complex in protein-body formation in rice seeds. Planta, 1986, 169, 471-480.	3.2	214
3	A single mutation that increases maize seed weight.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5824-5829.	7.1	211
4	The Rice Mutant esp2 Greatly Accumulates the Glutelin Precursor and Deletes the Protein Disulfide Isomerase. Plant Physiology, 2002, 128, 1212-1222.	4.8	211
5	The production of recombinant proteins in transgenic barley grains. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 1914-1919.	7.1	188
6	Identification of the ADP-glucose pyrophosphorylase isoforms essential for starch synthesis in the leaf and seed endosperm of rice (Oryza sativa L.). Plant Molecular Biology, 2007, 65, 531-546.	3.9	178
7	The Subunit Structure of Potato Tuber ADPglucose Pyrophosphorylase. Plant Physiology, 1990, 93, 785-790.	4.8	177
8	Messenger RNA targeting of rice seed storage proteins to specific ER subdomains. Nature, 2000, 407, 765-767.	27.8	166
9	COMPARTMENTATION OF PROTEINS IN THE ENDOMEMBRANE SYSTEM OF PLANT CELLS. Annual Review of Plant Biology, 1996, 47, 327-350.	14.3	165
10	Engineering starch for increased quantity and quality. Trends in Plant Science, 2000, 5, 291-298.	8.8	160
11	Segregation of storage protein mRNAs on the rough endoplasmic reticulum membranes of rice endosperm cells. Cell, 1993, 72, 869-879.	28.9	159
12	Subcellular Localization of the Starch Degradative and Biosynthetic Enzymes of Spinach Leaves. Plant Physiology, 1979, 64, 187-192.	4.8	149
13	Is There an Alternative Pathway for Starch Synthesis?. Plant Physiology, 1992, 100, 560-564.	4.8	131
14	Engineering starch biosynthesis for increasing rice seed weight: the role of the cytoplasmic ADP-glucose pyrophosphorylase. Plant Science, 2004, 167, 1323-1333.	3.6	115
15	Improving starch yield in cereals by over-expression of ADPglucose pyrophosphorylase: Expectations and unanticipated outcomes. Plant Science, 2013, 211, 52-60.	3.6	115
16	Subcellular compartmentation and allosteric regulation of the rice endosperm ADPglucose pyrophosphorylase. Plant Science, 2001, 161, 461-468.	3.6	106
17	Modification of Carbon Partitioning, Photosynthetic Capacity, and O2 Sensitivity in Arabidopsis Plants with Low ADP-Glucose Pyrophosphorylase Activity1. Plant Physiology, 1999, 119, 267-276.	4.8	99
18	5' distal and proximal cis-acting regulator elements are required for developmental control of a rice seed storage protein glutelin gene. Plant Journal, 1993, 4, 357-366.	5.7	95

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19	Wheat Invertases. Plant Physiology, 1985, 78, 241-245.	4.8	94
20	Both Subunits of ADP-Glucose Pyrophosphorylase Are Regulatory. Plant Physiology, 2004, 135, 137-144.	4.8	94
21	Plastidic phosphoglucomutase and ADP-glucose pyrophosphorylase mutants impair starch synthesis in rice pollen grains and cause male sterility. Journal of Experimental Botany, 2016, 67, 5557-5569.	4.8	88
22	mRNA localization in plants: targeting to the cell's cortical region and beyond. Current Opinion in Plant Biology, 2002, 5, 553-559.	7.1	86
23	Structural Relationship among the Rice Glutelin Polypeptides. Plant Physiology, 1986, 81, 748-753.	4.8	85
24	Comparison of the primary sequences of two potato tuber ADP-glucose pyrophosphorylase subunits. Plant Molecular Biology, 1991, 17, 1089-1093.	3.9	84
25	Formation of wheat protein bodies: Involvement of the Golgi apparatus in gliadin transport. Planta, 1988, 176, 173-182.	3.2	83
26	Structure, Expression, and Heterogeneity of the Rice Seed Prolamines. Plant Physiology, 1988, 88, 649-655.	4.8	80
27	Protein Disulfide Isomerase Like 1-1 Participates in the Maturation of Proglutelin Within the Endoplasmic Reticulum in Rice Endosperm. Plant and Cell Physiology, 2010, 51, 1581-1593.	3.1	77
28	Rice endosperm-specific plastidial Î±-glucan phosphorylase is important for synthesis of short-chain malto-oligosaccharides. Archives of Biochemistry and Biophysics, 2010, 495, 82-92.	3.0	75
29	ADPglucose Pyrophosphorylase Is Encoded by Different mRNA Transcripts in Leaf and Endosperm of Cereals. Plant Physiology, 1986, 81, 642-645.	4.8	74
30	The Transport of Prolamine RNAs to Prolamine Protein Bodies in Living Rice Endosperm Cells[W]. Plant Cell, 2003, 15, 2253-2264.	6.6	72
31	Rice Endosperm Starch Phosphorylase (Pho1) Assembles with Disproportionating Enzyme (Dpe1) to Form a Protein Complex That Enhances Synthesis of Malto-oligosaccharides. Journal of Biological Chemistry, 2016, 291, 19994-20007.	3.4	71
32	Dual Regulated RNA Transport Pathways to the Cortical Region in Developing Rice Endosperm. Plant Cell, 2003, 15, 2265-2272.	6.6	69
33	The Rice Endosperm ADP-Glucose Pyrophosphorylase Large Subunit is Essential for Optimal Catalysis and Allosteric Regulation of the Heterotetrameric Enzyme. Plant and Cell Physiology, 2014, 55, 1169-1183.	3.1	69
34	Characterization of the Spinach Leaf Phosphorylases. Plant Physiology, 1980, 66, 864-869.	4.8	65
35	Targeting of Proteins to Endoplasmic Reticulum-Derived Compartments in Plants. The Importance of RNA Localization. Plant Physiology, 2004, 136, 3414-3419.	4.8	64
36	Exploiting leaf starch synthesis as a transient sink to elevate photosynthesis, plant productivity and yields. Plant Science, 2011, 181, 275-281.	3.6	61

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37	Interactions of Nitrate and CO2 Enrichment on Growth, Carbohydrates, and Rubisco in Arabidopsis Starch Mutants. Significance of Starch and Hexose. Plant Physiology, 2002, 130, 1573-1583.	4.8	60
38	Analysis of the rice ADPglucose transporter (OsBT1) indicates the presence of regulatory processes in the amyloplast stroma that control ADPglucose flux into starch. Plant Physiology, 2016, 170, pp.01911.2015.	4.8	58
39	Analyses of Î±/Î²-type gliadin genes from diploid and hexaploid wheats. Gene, 1987, 52, 257-266.	2.2	57
40	Isolation of a Crystal Matrix Protein Associated with Calcium Oxalate Precipitation in Vacuoles of Specialized Cells. Plant Physiology, 2003, 133, 549-559.	4.8	57
41	Expression of a rice glutelin promoter in transgenic tobacco. Plant Molecular Biology, 1990, 14, 41-50.	3.9	56
42	Directed molecular evolution of ADP-glucose pyrophosphorylase. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1070-1075.	7.1	55
43	Starch Degradation in Spinach Leaves. Plant Physiology, 1980, 66, 870-876.	4.8	53
44	Evidence for a Cytoskeleton-Associated Binding Site Involved in Prolamine mRNA Localization to the Protein Bodies in Rice Endosperm Tissue1. Plant Physiology, 1998, 116, 559-569.	4.8	53
45	Isolation and identification of cytoskeleton-associated prolamine mRNA binding proteins from developing rice seeds. Planta, 2010, 231, 1261-1276.	3.2	53
46	A Role for the Cysteine-Rich 10 kDa Prolamin in Protein Body I Formation in Rice. Plant and Cell Physiology, 2011, 52, 1003-1016.	3.1	53
47	Immunocytochemical Localization of ADPglucose Pyrophosphorylase in Developing Potato Tuber Cells. Plant Physiology, 1989, 91, 217-220.	4.8	52
48	Control of Starch Synthesis in Cereals: Metabolite Analysis of Transgenic Rice Expressing an Up-Regulated Cytoplasmic ADP-Glucose Pyrophosphorylase in Developing Seeds. Plant and Cell Physiology, 2009, 50, 635-643.	3.1	52
49	Mutagenesis of the potato ADPglucose pyrophosphorylase and characterization of an allosteric mutant defective in 3-phosphoglycerate activation.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 1509-1513.	7.1	51
50	Generation of up-regulated allosteric variants of potato ADP-glucose pyrophosphorylase by reversion genetics. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 10322-10327.	7.1	51
51	Enhanced turnover of transitory starch by expression of up-regulated ADP-glucose pyrophosphorylases in Arabidopsis thaliana. Plant Science, 2006, 170, 1-11.	3.6	51
52	A Guanine Nucleotide Exchange Factor for Rab5 Proteins Is Essential for Intracellular Transport of the Proglutelin from the Golgi Apparatus to the Protein Storage Vacuole in Rice Endosperm Â Â Â. Plant Physiology, 2013, 162, 663-674.	4.8	51
53	Allosteric regulation of the higher plant ADP-glucose pyrophosphorylase is a product of synergy between the two subunits. FEBS Letters, 2005, 579, 983-990.	2.8	50
54	Gene Expression in Developing Wheat Endosperm. Plant Physiology, 1986, 82, 34-40.	4.8	49

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55	The role of mRNA and protein sorting in seed storage protein synthesis, transport, and deposition. Biochemistry and Cell Biology, 2005, 83, 728-737.	2.0	48
56	The cytoplasmicâ€localized, cytoskeletalâ€associated RNA binding protein <i>Os</i>Tudorâ€SN: evidence for an essential role in storage protein RNA transport and localization. Plant Journal, 2008, 55, 443-454.	5.7	48
57	Molecular characterization of the gene encoding a rice endosperm-specific ADPglucose pyrophosphorylase subunit and its developmental pattern of transcription. Gene, 1991, 97, 199-205.	2.2	47
58	RNA-Binding Protein RBP-P Is Required for Glutelin and Prolamine mRNA Localization in Rice Endosperm Cells. Plant Cell, 2018, 30, 2529-2552.	6.6	47
59	Targeting of mRNAs to domains of the endoplasmic reticulum. Trends in Cell Biology, 1994, 4, 91-96.	7.9	44
60	Isolation and Characterization of Starch Mutants in Rice. Journal of Applied Glycoscience (1999), 2003, 50, 225-230.	0.7	44
61	The Small GTPase Rab5a Is Essential for Intracellular Transport of Proglutelin from the Golgi Apparatus to the Protein Storage Vacuole and Endosomal Membrane Organization in Developing Rice Endosperm Â Â Â. Plant Physiology, 2011, 157, 632-644.	4.8	44
62	Analysis of randomly isolated cDNAs from developing endosperm of rice (Oryza sativa L.): evaluation of expressed sequence tags, and expression levels of mRNAs. Plant Molecular Biology, 1995, 29, 685-689.	3.9	43
63	Resolving the Compartmentation and Function of C4 Photosynthesis in the Single-Cell C4 Species Bienertia sinuspersici Â Â. Plant Physiology, 2011, 155, 1612-1628.	4.8	43
64	N- and C-terminal peptide sequences are essential for enzyme assembly, allosteric, and/or catalytic properties of ADP-glucose pyrophosphorylase. Plant Journal, 1998, 14, 159-168.	5.7	42
65	Catalytic implications of the higher plant ADP-glucose pyrophosphorylase large subunit. Phytochemistry, 2007, 68, 464-477.	2.9	41
66	RNA targeting to a specific ER subâ€domain is required for efficient transport and packaging of Î±â€globulins to the protein storage vacuole in developing rice endosperm. Plant Journal, 2012, 70, 471-479.	5.7	41
67	Identification of a cytoskeleton-associated 120 kDa RNA-binding protein in developing rice seeds. Plant Molecular Biology, 2001, 46, 79-88.	3.9	40
68	Rice Glutelins. , 1999, , 401-425.		38
69	Leaf Development in the Single-Cell C₄ System in <i>Bienertia sinuspersici</i>: Expression of Genes and Peptide Levels for C₄ Metabolism in Relation to Chlorenchyma Structure under Different Light Conditions. Plant Physiology, 2008, 148, 593-610.	4.8	38
70	mRNA Localization in Plant Cells. Plant Physiology, 2020, 182, 97-109.	4.8	38
71	The pyridine nucleotide cycle: Presence of a nicotinamide mononucleotide-specific glycohydrolase in Escherichiacoli. Biochemical and Biophysical Research Communications, 1972, 49, 264-269.	2.1	37
72	Tissue-specific expression and temporal regulation of the rice glutelin Gt3 gene are conferred by at least two spatially separatedcis-regulatory elements. Plant Molecular Biology, 1994, 25, 429-436.	3.9	37

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73	Analysis of Allosteric Effector Binding Sites of Potato ADP-glucose Pyrophosphorylase through Reverse Genetics. Journal of Biological Chemistry, 2001, 276, 40834-40840.	3.4	37
74	Synthesis of a Possible Precursor of Î±-Amylase in Wheat Aleurone Cells. Plant Physiology, 1979, 63, 195-200.	4.8	36
75	Nucleotide and primary sequence of a major rice prolamine. FEBS Letters, 1988, 231, 308-310.	2.8	36
76	A polymorphic motif in the small subunit of ADP-glucose pyrophosphorylase modulates interactions between the small and large subunits. Plant Journal, 2004, 41, 501-511.	5.7	36
77	Isolation and characterization of a higher plant ADP-glucose pyrophosphorylase small subunit homotetramer. FEBS Letters, 2000, 482, 113-118.	2.8	35
78	Identification of cis-Localization Elements that Target Glutelin RNAs to a Specific Subdomain of the Cortical Endoplasmic Reticulum in Rice Endosperm Cells. Plant and Cell Physiology, 2009, 50, 1710-1714.	3.1	35
79	Proteomic Analysis of Cytoskeleton-Associated RNA Binding Proteins in Developing Rice Seed. Journal of Proteome Research, 2009, 8, 4641-4653.	3.7	35
80	Asymmetric Localization of Seed Storage Protein RNAs to Distinct Subdomains of the Endoplasmic Reticulum in Developing Maize Endosperm Cells. Plant and Cell Physiology, 2004, 45, 1830-1837.	3.1	33
81	Expression profiling and proteomic analysis of isolated photosynthetic cells of the non-Kranz C4 species Bienertia sinuspersici. Functional Plant Biology, 2010, 37, 1.	2.1	33
82	Investigation of Subunit Function in ADP-Glucose Pyrophosphorylase. Biochemical and Biophysical Research Communications, 2001, 281, 783-787.	2.1	32
83	Generation, characterization, and heterologous expression of wild-type and up-regulated forms of Arabidopsis thaliana leaf ADP-glucose pyrophosphorylase. Planta, 2002, 215, 430-439.	3.2	32
84	Relative turnover numbers of maize endosperm and potato tuber ADP-glucose pyrophosphorylases in the absence and presence of 3-phosphoglyceric acid. Planta, 2003, 217, 449-456.	3.2	32
85	Developing prolamine protein bodies are associated with the cortical cytoskeleton in rice endosperm cells. Planta, 2000, 211, 227-238.	3.2	31
86	The effects of salinity on photosynthesis and growth of the single-cell C4 species Bienertia sinuspersici (Chenopodiaceae). Photosynthesis Research, 2010, 106, 201-214.	2.9	31
87	Direct Appraisal of the Potato Tuber ADP-glucose Pyrophosphorylase Large Subunit in Enzyme Function by Study of a Novel Mutant Form. Journal of Biological Chemistry, 2008, 283, 6640-6647.	3.4	30
88	Developmental and Subcellular Organization of Single-Cell C4Photosynthesis inBienertia sinuspersiciDetermined by Large-Scale Proteomics and cDNA Assembly from 454 DNA Sequencing. Journal of Proteome Research, 2015, 14, 2090-2108.	3.7	30
89	The Storage Proteins of Rice and Oat. Advances in Cellular and Molecular Biology of Plants, 1997, , 289-330.	0.2	29
90	Salt tolerant mechanisms in single-cell C4 species Bienertia sinuspersici and Suaeda aralocaspica (Chenopodiaceae). Plant Science, 2009, 176, 616-626.	3.6	29

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91	The plastidial starch phosphorylase from rice endosperm: catalytic properties at low temperature. Planta, 2016, 243, 999-1009.	3.2	29
92	Role of silicon in diatom metabolism IX. Differential synthesis of DNA polymerases and DNA-binding proteins during silicate starvation and recovery in Cylindrotheca fusiformis. Nucleic Acids and Protein Synthesis, 1978, 519, 76-86.	1.7	28
93	Transcriptional Expression Characteristics and Subcellular Localization of ADP-Glucose Pyrophosphorylase in the Oil Plant Perilla frutescens. Plant and Cell Physiology, 2001, 42, 146-153.	3.1	28
94	Identification of <i>cis</i>â€•localization elements of the maize 10â€•kDa Î´â€•zein and their use in targeting RNAs to specific cortical endoplasmic reticulum subdomains. Plant Journal, 2009, 60, 146-155.	5.7	28
95	Wheat Storage Proteins. Plant Physiology, 1982, 69, 834-839.	4.8	27
96	ATP binding site in the plant ADP-glucose pyrophosphorylase large subunit. FEBS Letters, 2006, 580, 6741-6748.	2.8	27
97	The Dual Roles of the Golgi Transport 1 (GOT1B): RNA Localization to the Cortical Endoplasmic Reticulum and the Export of Proglutelin and Î±-Globulin from the Cortical ER to the Golgi. Plant and Cell Physiology, 2016, 57, 2380-2391.	3.1	27
98	Multifunctional RNA Binding Protein OsTudor-SN in Storage Protein mRNA Transport and Localization. Plant Physiology, 2017, 175, 1608-1623.	4.8	27
99	Substrate binding mutants of the higher plant ADP-glucose phrophosphorylase. Phytochemistry, 1998, 47, 621-629.	2.9	26
100	Kinetic and regulatory properties of plant ADP-glucose pyrophosphorylase genetically modified by heterologous expression of potato upreg mutants inÂvitro and inÂvivo. Plant Cell, Tissue and Organ Culture, 2009, 96, 161-170.	2.3	26
101	mRNA-based protein targeting to the endoplasmic reticulum and chloroplasts in plant cells. Current Opinion in Plant Biology, 2014, 22, 77-85.	7.1	26
102	Identification and DNA sequence analysis of a ?-type gliadin cDNA plasmid from winter wheat. Plant Molecular Biology, 1984, 3, 325-332.	3.9	25
103	Structural changes in the vacuole and cytoskeleton are key to development of the two cytoplasmic domains supporting single-cell C4 photosynthesis in Bienertia sinuspersici. Planta, 2009, 229, 369-382.	3.2	25
104	Targeted Endoplasmic Reticulum Localization of Storage Protein mRNAs Requires the RNA-Binding Protein RBP-L. Plant Physiology, 2019, 179, 1111-1131.	4.8	25
105	Feedback inhibition of photosynthesis in rice measured by O2 dependent transients. Photosynthesis Research, 1999, 59, 187-200.	2.9	24
106	Gene-gene interactions between mutants that accumulate abnormally high amounts of proglutelin in rice seed. Breeding Science, 2010, 60, 568-574.	1.9	23
107	RiceRBP: A database of experimentally identified RNA-binding proteins in Oryza sativa L.. Plant Science, 2011, 180, 204-211.	3.6	23
108	Photosynthetic features of non-Kranz type C4 versus Kranz type C4 and C3 species in subfamily Suaedoideae (Chenopodiaceae). Functional Plant Biology, 2009, 36, 770.	2.1	22

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109	The role of the large subunit in redox regulation of the rice endosperm <scp>ADP</scp>â€glucose pyrophosphorylase. FEBS Journal, 2014, 281, 4951-4963.	4.7	21
110	Immunological relationships among the major seed proteins of cereals. Plant Science, 1988, 57, 103-111.	3.6	20
111	Multiple RNA Binding Protein Complexes Interact with the Rice Prolamine RNA Cis-Localization Zipcode Sequences. Plant Physiology, 2014, 164, 1271-1282.	4.8	20
112	Characterization of RNA binding protein RBP-P reveals a possible role in rice glutelin gene expression and RNA localization. Plant Molecular Biology, 2014, 85, 381-394.	3.9	20
113	Accurate in vitro transcription of plant promoters with nuclear extracts prepared from cultured plant cells. Plant Molecular Biology, 1991, 16, 771-786.	3.9	19
114	Rapid purification of the potato ADPâ€“glucose pyrophosphorylase by polyhistidine-mediated chromatography. Protein Expression and Purification, 2004, 38, 99-107.	1.3	19
115	Structural and functional analysis of promoter from gliadin, an endosperm-specific storage protein gene of Triticum aestivum L.. Molecular Genetics and Genomics, 1991, 225, 65-71.	2.4	18
116	Identification of positive and negative regulatory cis-elements of the rice glutelin Gt3 promoter. Plant Science, 1996, 116, 27-35.	3.6	18
117	RiceRBP: A Resource for Experimentally Identified RNA Binding Proteins in Oryza sativa. Frontiers in Plant Science, 2012, 3, 90.	3.6	18
118	Selective sets of mRNAs localize to extracellular paramural bodies in a rice glup6 mutant. Journal of Experimental Botany, 2018, 69, 5045-5058.	4.8	17
119	Increasing Rice Productivity and Yield by Manipulation of Starch Synthesis. Novartis Foundation Symposium, 2001, 236, 135-152.	1.1	16
120	Characterization of the rice glup4 mutant suggests a role for the small GTPase Rab5 in the biosynthesis of carbon and nitrogen storage reserves in developing endosperm. Breeding Science, 2010, 60, 556-567.	1.9	16
121	Exploring mechanisms linked to differentiation and function of dimorphic chloroplasts in the single cell C4 species Bienertia sinuspersici. BMC Plant Biology, 2014, 14, 34.	3.6	16
122	Guanine nucleotide exchange factor 2 for Rab5 proteins coordinated with GLUP6/GEF regulates the intracellular transport of the proglutelin from the Golgi apparatus to the protein storage vacuole in rice endosperm. Journal of Experimental Botany, 2015, 66, 6137-6147.	4.8	16
123	Subunit interactions specify the allosteric regulatory properties of the potato tuber ADP-glucose pyrophosphorylase. Biochemical and Biophysical Research Communications, 2007, 362, 301-306.	2.1	15
124	A cytoskeleton-associated RNA-binding protein binds to the untranslated regions of prolamine mRNA and to poly(A). Plant Science, 2000, 152, 115-122.	3.6	14
125	Reâ€programming of gene expression in the CS 8 rice line overâ€expressing ADP glucose pyrophosphorylase induces a suppressor of starch biosynthesis. Plant Journal, 2019, 97, 1073-1088.	5.7	14
126	Isolation and characterization of cDNA clones encoding ADP-glucose pyrophosphorylase (AGPase) large and small subunits from chickpea (Cicer arietinum L.). Phytochemistry, 2002, 59, 261-268.	2.9	13

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127	In vitro cultures and regeneration of Bienertia sinuspersici (Chenopodiaceae) under increasing concentrations of sodium chloride and carbon dioxide. Plant Cell Reports, 2011, 30, 1541-1553.	5.6	13
128	The plastid phosphorylase as a multiple-role player in plant metabolism. Plant Science, 2020, 290, 110303.	3.6	13
129	The Prolamins of Rice. , 1999, , 93-108.		13
130	Zipcode RNA-Binding Proteins and Membrane Trafficking Proteins Cooperate to Transport Glutelin mRNAs in Rice Endosperm. Plant Cell, 2020, 32, 2566-2581.	6.6	12
131	RNA-Binding Proteins: The Key Modulator in Stress Granule Formation and Abiotic Stress Response. Frontiers in Plant Science, 0, 13, .	3.6	11
132	Characterization of the potato upreg1gene, encoding a mutated ADP-glucose pyrophosphorylase large subunit, in transformed rice. Plant Cell, Tissue and Organ Culture, 2010, 102, 171-179.	2.3	10
133	Analysis of nuclear proteins interacting with a wheat ?/?-gliadin seed storage protein gene. Plant Molecular Biology, 1993, 22, 25-41.	3.9	9
134	The conversion of carbon and nitrogen into starch and storage proteins in developing storage organs: an overview. Functional Plant Biology, 2000, 27, 561.	2.1	9
135	How do single cell C4 species form dimorphic chloroplasts?. Plant Signaling and Behavior, 2011, 6, 762-765.	2.4	9
136	The rice storage protein mRNAs as a model system for RNA localization in higher plants. Plant Science, 2019, 284, 203-211.	3.6	9
137	Regulation of Starch Synthesis. ACS Symposium Series, 1989, , 84-92.	0.5	8
138	Mechanism Underlying Heat Stability of the Rice Endosperm Cytosolic ADP-Glucose Pyrophosphorylase. Frontiers in Plant Science, 2019, 10, 70.	3.6	8
139	Enhancement of Plant Productivity by Manipulation of ADPglucose Pyrophosphorylase. Stadler Genetics Symposia Series, 1993, , 161-191.	0.0	8
140	Nonrandom DNA sequencing of exonuclease III-deleted complementary DNA. Analytical Biochemistry, 1985, 144, 207-211.	2.4	7
141	Increase of Grain Yields by Manipulating Starch Biosynthesis. , 2015, , 371-395.		7
142	Substrate binding properties of potato tuber ADPâ€glucose pyrophosphorylase as determined by isothermal titration calorimetry. FEBS Letters, 2015, 589, 1444-1449.	2.8	7
143	The Role of RNA-Binding Protein OsTudor-SN in Post-Transcriptional Regulation of Seed Storage Proteins and Endosperm Development. Plant and Cell Physiology, 2019, 60, 2193-2205.	3.1	7
144	Cis-elements important for the expression of the ADP-glucose pyrophosphorylase small-subunit are located both upstream and downstream from its structural gene. Molecular Genetics and Genomics, 1996, 250, 581-592.	2.4	6

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145	Metabolic Engineering of Starch for Enhanced Plant Productivity and Yields. Journal of Applied Glycoscience (1999), 2003, 50, 201-206.	0.7	6
146	A co-fractionation mass spectrometry-based prediction of protein complex assemblies in the developing rice aleurone-subaleurone. Plant Cell, 2021, 33, 2965-2980.	6.6	5
147	Source-Sink Relationships and Its Effect on Plant Productivity: Manipulation of Primary Carbon and Starch Metabolism. Concepts and Strategies in Plant Sciences, 2021, , 1-31.	0.5	5
148	Prospects for the Production of Cereals with Improved Starch Properties. , 1994, , 115-127.		5
149	[49] Isolation of Escherichia coli structural genes coding for the glycogen biosynthetic enzymes. Methods in Enzymology, 1982, 83, 549-556.	1.0	4
150	Expression, kinetics and regulatory properties of native and recombinant ADP-glucose pyrophosphorylase isoforms from chickpea. Plant Physiology and Biochemistry, 2003, 41, 399-405.	5.8	4
151	Targeting of RNAs to ER Subdomains and its Relationship to Protein Localization. Plant Cell Monographs, 2006, , 25-43.	0.4	4
152	Molecular Aspects of Storage Protein and Starch Synthesis in Wheat and Rice Seeds. , 1989, , 289-327.		3
153	Isolation and Characterization of Two cDNAs for Large and Small Subunits of ADP-glucose Pyrophosphorylase from Kidney Bean. Journal of Applied Glycoscience (1999), 2003, 50, 475-479.	0.7	3
154	Isolation and characterization of cytoplasmic and chloroplastic ribosomes and their ribosomal RNAs from the diatom Cylindrotheca fusiformis. Archives of Microbiology, 1977, 111, 247-253.	2.2	2
155	Modulation of Allosteric Regulation by E38K and G101N Mutations in the Potato Tuber ADP-glucose Pyrophosphorylase. Bioscience, Biotechnology and Biochemistry, 2013, 77, 1854-1859.	1.3	2
156	The Rice Plastidial Phosphorylase Participates Directly in Both Sink and Source Processes. Plant and Cell Physiology, 2021, 62, 125-142.	3.1	2
157	Cis. Molecular Genetics and Genomics, 1996, 250, 581.	2.4	2
158	Redox Regulation of Rice Endosperm ADPâ€glucose Pyrophosphorylase. FASEB Journal, 2012, 26, .	0.5	2
159	Chapter 13 Localization of RNA by High Resolution in Situ Hybridization. Methods in Cell Biology, 1995, 49, 185-199.	1.1	1