Nobuhiro Tsutsumi

List of Publications by Year
in descending order

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162	7,688	36303	60623
papers	citations	51 h-index	81 g-index

163	163	163	7869
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Frequent fusion and fission of plant mitochondria with unequal nucleoid distribution. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7805-7808.	7.1	281
2	A membrane trafficking pathway regulated by the plant-specific RAB GTPase ARA6. Nature Cell Biology, 2011, 13, 853-859.	10.3	258
3	Ethylene Promotes Submergence-Induced Expression of OsABA8ox1, a Gene that Encodes ABA 8'-Hydroxylase in Rice. Plant and Cell Physiology, 2006, 48, 287-298.	3.1	223
4	A dynamin-like protein (ADL2b), rather than FtsZ, is involved in Arabidopsis mitochondrial division. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5727-5731.	7.1	200
5	High-Throughput Phenotyping of Sorghum Plant Height Using an Unmanned Aerial Vehicle and Its Application to Genomic Prediction Modeling. Frontiers in Plant Science, 2017, 8, 421.	3.6	198
6	An NADPH Oxidase RBOH Functions in Rice Roots during Lysigenous Aerenchyma Formation under Oxygen-Deficient Conditions. Plant Cell, 2017, 29, 775-790.	6.6	195
7	Identification of genes expressed in maize root cortical cells during lysigenous aerenchyma formation using laser microdissection and microarray analyses. New Phytologist, 2011, 190, 351-368.	7.3	185
8	Characterization of the gene family for alternative oxidase from Arabidopsis thaliana. Plant Molecular Biology, 1997, 35, 585-596.	3.9	177
9	Conservation and Diversification of Meristem Maintenance Mechanism in Oryza sativa : Function of the FLORAL ORGAN NUMBER2 Gene. Plant and Cell Physiology, 2006, 47, 1591-1602.	3.1	159
10	OsNAC6, a member of the NAC gene family, is induced by various stresses in rice. Genes and Genetic Systems, 2005, 80, 135-139.	0.7	158
11	Dynamic and Reversible Changes in Histone H3-Lys4 Methylation and H3 Acetylation Occurring at Submergence-inducible Genes in Rice. Plant and Cell Physiology, 2006, 47, 995-1003.	3.1	153
12	The rice mitochondrial iron transporter is essential for plant growth. Nature Communications, 2011, 2, 322.	12.8	145
13	Arabidopsis dynamin-related proteins DRP2B and DRP1A participate together in clathrin-coated vesicle formation during endocytosis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6094-6099.	7.1	142
14	Identification of the OsOPR7 gene encoding 12-oxophytodienoate reductase involved in the biosynthesis of jasmonic acid in rice. Planta, 2008, 227, 517-526.	3.2	141
15	Transcript levels of tandem-arranged alternative oxidase genes in rice are increased by low temperature. Gene, 1997, 203, 121-129.	2.2	138
16	Rice Expression Atlas In Reproductive Development. Plant and Cell Physiology, 2010, 51, 2060-2081.	3.1	134
17	Curing cytoplasmic male sterility via TALEN-mediated mitochondrial genome editing. Nature Plants, 2019, 5, 722-730.	9.3	126
18	Expression of a Gene Encoding Mitochondrial Aldehyde Dehydrogenase in Rice Increases under Submerged Conditions. Plant Physiology, 2000, 124, 587-598.	4.8	119

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19	Various Spatiotemporal Expression Profiles of Anther-Expressed Genes in Rice. Plant and Cell Physiology, 2008, 49, 1417-1428.	3.1	118
20	Arabidopsis Dynamin-Like Protein 2a (ADL2a), Like ADL2b, is Involved in Plant Mitochondrial Division. Plant and Cell Physiology, 2004, 45, 236-242.	3.1	116
21	Arabidopsis dynaminâ€related proteins DRP3A and DRP3B are functionally redundant in mitochondrial fission, but have distinct roles in peroxisomal fission. Plant Journal, 2009, 58, 388-400.	5.7	115
22	Substitution of the Gene for Chloroplast RPS16 Was Assisted by Generation of a Dual Targeting Signal. Molecular Biology and Evolution, 2008, 25, 1566-1575.	8.9	112
23	Separated Transcriptomes of Male Gametophyte and Tapetum in Rice: Validity of a Laser Microdissection (LM) Microarray. Plant and Cell Physiology, 2008, 49, 1407-1416.	3.1	109
24	Strigolactones Negatively Regulate Mesocotyl Elongation in Rice during Germination and Growth in Darkness. Plant and Cell Physiology, 2010, 51, 1136-1142.	3.1	109
25	Fine control of aerenchyma and lateral root development through AUX/IAA- and ARF-dependent auxin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20770-20775.	7.1	107
26	A method for obtaining high quality RNA from paraffin sections of plant tissues by laser microdissection. Journal of Plant Research, 2010, 123, 807-813.	2.4	106
27	Strigolactone and Cytokinin Act Antagonistically in Regulating Rice Mesocotyl Elongation in Darkness. Plant and Cell Physiology, 2014, 55, 30-41.	3.1	100
28	RCN1/OsABCG5, an ATPâ€binding cassette (ABC) transporter, is required for hypodermal suberization of roots in rice (Oryza sativa). Plant Journal, 2014, 80, 40-51.	5.7	94
29	Loss of the rpl32 gene from the chloroplast genome and subsequent acquisition of a preexisting transit peptide within the nuclear gene in Populus. Gene, 2007, 402, 51-56.	2.2	92
30	Cell cycle function of a rice B2-type cyclin interacting with a B-type cyclin-dependent kinase. Plant Journal, 2003, 34, 417-425.	5.7	90
31	Arabidopsis ELONGATED MITOCHONDRIA1 Is Required for Localization of DYNAMIN-RELATED PROTEIN3A to Mitochondrial Fission Sites. Plant Cell, 2008, 20, 1555-1566.	6.6	89
32	Mitochondrial Behaviour in the Early Stages of ROS Stress Leading to Cell Death in Arabidopsis thaliana. Annals of Botany, 2005, 96, 337-342.	2.9	83
33	Microarray analysis of laser-microdissected tissues indicates the biosynthesis of suberin in the outer part of roots during formation of a barrier to radial oxygen loss in rice (Oryza sativa). Journal of Experimental Botany, 2014, 65, 4795-4806.	4.8	83
34	The gene for alternative oxidase-2(AOX2) from Arabidopsis thaliana consists of five exons unlike other AOX genes and is transcribed at an early stage during germination.. Genes and Genetic Systems, 2001, 76, 89-97.	0.7	82
35	Rice tillering dwarf mutant dwarf3 has increased leaf longevity during darkness-induced senescence or hydrogen peroxide-induced cell death. Genes and Genetic Systems, 2007, 82, 361-366.	0.7	82
36	Induction of mitochondrial aldehyde dehydrogenase by submergence facilitates oxidation of acetaldehyde during re-aeration in rice. FEBS Letters, 2003, 546, 369-373.	2.8	80

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37	Functional association of cell death suppressor, Arabidopsis Bax inhibitorâ€1, with fatty acid 2â€hydroxylation through cytochrome b₅. Plant Journal, 2009, 58, 122-134.	5.7	75
38	Arabidopsis Sphingolipid Fatty Acid 2-Hydroxylases (AtFAH1 and AtFAH2) Are Functionally Differentiated in Fatty Acid 2-Hydroxylation and Stress Responses. Plant Physiology, 2012, 159, 1138-1148.	4.8	74
39	Comprehensive Network Analysis of Anther-Expressed Genes in Rice by the Combination of 33 Laser Microdissection and 143 Spatiotemporal Microarrays. PLoS ONE, 2011, 6, e26162.	2.5	72
40	Salt stress induces internalization of plasma membrane aquaporin into the vacuole in Arabidopsis thaliana. Biochemical and Biophysical Research Communications, 2016, 474, 742-746.	2.1	71
41	The involvement of a PPR protein of the P subfamily in partial RNA editing of an Arabidopsis mitochondrial transcript. Gene, 2010, 454, 39-46.	2.2	69
42	Comparison and Characterization of Mutations Induced by Gamma-Ray and Carbon-Ion Irradiation in Rice (Oryza sativaL.) Using Whole-Genome Resequencing. G3: Genes, Genomes, Genetics, 2019, 9, 3743-3751.	1.8	63
43	AtUCP2: a Novel Isoform of the Mitochondrial Uncoupling Protein of Arabidopsis thaliana. Plant and Cell Physiology, 1999, 40, 1160-1166.	3.1	62
44	Targeted base editing in the plastid genome of Arabidopsis thaliana. Nature Plants, 2021, 7, 906-913.	9.3	62
45	Transcript levels of the nuclear-encoded respiratory genes in rice decrease by oxygen deprivation: evidence for involvement of calcium in expression of the alternative oxidase 1a gene. FEBS Letters, 2000, 471, 201-204.	2.8	61
46	Peroxisomes Are Involved in Biotin Biosynthesis in Aspergillus and Arabidopsis. Journal of Biological Chemistry, 2011, 286, 30455-30461.	3.4	60
47	Transcriptome Analysis of Developing Ovules in Rice Isolated by Laser Microdissection. Plant and Cell Physiology, 2013, 54, 750-765.	3.1	60
48	Distinct Gene Expression Profiles in Egg and Synergid Cells of Rice as Revealed by Cell Type-Specific Microarrays Â Â. Plant Physiology, 2011, 155, 881-891.	4.8	58
49	The FtsH Protease Heterocomplex in Arabidopsis: Dispensability of Type-B Protease Activity for Proper Chloroplast Development. Plant Cell, 2010, 22, 3710-3725.	6.6	57
50	Targeted gene disruption of ATP synthases 6â€1 and 6â€2 in the mitochondrial genome of Arabidopsis thaliana by mitoTALENs. Plant Journal, 2020, 104, 1459-1471.	5.7	57
51	Root Cortex Provides a Venue for Gas-Space Formation and Is Essential for Plant Adaptation to Waterlogging. Frontiers in Plant Science, 2019, 10, 259.	3.6	56
52	AOX1c, a novel rice gene for alternative oxidase; Comparison with rice AOX1a and AOX1b.. Genes and Genetic Systems, 2002, 77, 31-38.	0.7	53
53	The rps3-rpl16-nad3-rps12 gene cluster in rice mitochondrial DNA is transcribed from alternative promoters. Current Genetics, 1995, 27, 184-189.	1.7	51
54	Rice-Specific Mitochondrial Iron-Regulated Gene (MIR) Plays an Important Role in Iron Homeostasis. Molecular Plant, 2009, 2, 1059-1066.	8.3	49

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55	Key root traits of Poaceae for adaptation to soil water gradients. New Phytologist, 2021, 229, 3133-3140.	7.3	49
56	ATP synthesis inhibitors as well as respiratory inhibitors increase steady-state level of alternative oxidase mRNA in Arabidopsis thaliana. Journal of Plant Physiology, 2001, 158, 241-245.	3.5	47
57	Single-organelle tracking by two-photon conversion. Optics Express, 2007, 15, 2490.	3.4	46
58	Arabidopsis dynamin-related protein DRP2B is co-localized with DRP1A on the leading edge of the forming cell plate. Plant Cell Reports, 2008, 27, 1581-1586.	5.6	46
59	Ethylene Biosynthesis Is Promoted by Very-Long-Chain Fatty Acids during Lysigenous Aerenchyma Formation in Rice Roots. Plant Physiology, 2015, 169, 180-193.	4.8	46
60	A Point Mutation of Adh1 Gene is Involved in the Repression of Coleoptile Elongation under Submergence in Rice. Breeding Science, 2006, 56, 69-74.	1.9	45
61	Rice alcohol dehydrogenase 1 promotes survival and has a major impact on carbohydrate metabolism in the embryo and endosperm when seeds are germinated in partially oxygenated water. Annals of Botany, 2014, 113, 851-859.	2.9	45
62	Mitochondrial Dynamics in Plant Male Gametophyte Visualized by Fluorescent Live Imaging. Plant and Cell Physiology, 2008, 49, 1074-1083.	3.1	44
63	Mammalian Bax initiates plant cell death through organelle destruction. Plant Cell Reports, 2005, 24, 408-417.	5.6	43
64	A Role for Auxin in Ethylene-Dependent Inducible Aerenchyma Formation in Rice Roots. Plants, 2020, 9, 610.	3.5	41
65	Numerous and highly developed tubular projections from plastids observed in Tobacco epidermal cells. Plant Science, 2001, 160, 449-454.	3.6	40
66	Cell division and cell elongation in the coleoptile of rice alcohol dehydrogenase 1-deficient mutant are reduced under complete submergence. Annals of Botany, 2011, 108, 253-261.	2.9	40
67	Dynamin-related proteins in plant post-Golgi traffic. Frontiers in Plant Science, 2014, 5, 408.	3.6	40
68	MIRO1 influences the morphology and intracellular distribution of mitochondria during embryonic cell division in Arabidopsis. Plant Cell Reports, 2011, 30, 239-244.	5.6	38
69	Arabidopsis dynamin-related proteins, DRP2A and DRP2B, function coordinately in post-Golgi trafficking. Biochemical and Biophysical Research Communications, 2015, 456, 238-244.	2.1	36
70	Mitochondria use actin filaments as rails for fast translocation in Arabidopsis and tobacco cells. Plant Biotechnology, 2007, 24, 441-447.	1.0	34
71	Organ-specific expressions and chromosomal locations of two mitochondrial aldehyde dehydrogenase genes from rice (Oryza sativa L.), ALDH2a and ALDH2b. Gene, 2003, 305, 195-204.	2.2	32
72	Different amounts of DNA in each mitochondrion in rice root. Genes and Genetic Systems, 2006, 81, 215-218.	0.7	32

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73	Phosphorylation and ubiquitination of dynaminâ€related proteins (AtDRP3A/3B) synergically regulate mitochondrial proliferation during mitosis. Plant Journal, 2012, 72, 43-56.	5.7	32
74	Targeted base editing in the mitochondrial genome of Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2121177119.	7.1	31
75	Transcriptional switch for programmed cell death in pith parenchyma of sorghum stems. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8783-E8792.	7.1	30
76	A novel plant nuclear gene encoding chloroplast ribosomal protein S9 has a transit peptide related to that of rice chloroplast ribosomal protein L12. FEBS Letters, 1999, 450, 231-234.	2.8	29
77	Molecular and cellular characterizations of a cDNA clone encoding a novel isozyme of aldehyde dehydrogenase from rice. Gene, 2000, 249, 67-74.	2.2	29
78	Different status of the gene for ribosomal protein S16 in the chloroplast genome during evolution of the genus Arabidopsis and closely related species. Genes and Genetic Systems, 2010, 85, 319-326.	0.7	29
79	Formation of Mitochondrial Outer Membrane Derived Protrusions and Vesicles in Arabidopsis thaliana. PLoS ONE, 2016, 11, e0146717.	2.5	29
80	Isolation of mutants with aberrant mitochondrial morphology from Arabidopsis thaliana. Genes and Genetic Systems, 2004, 79, 301-305.	0.7	26
81	Evolutionary variations in DNA sequences transferred from chloroplast genomes to mitochondrial genomes in the Gramineae. Current Genetics, 1994, 26, 512-518.	1.7	25
82	RAD-seq-Based High-Density Linkage Map Construction and QTL Mapping of Biomass-Related Traits in Sorghum using the Japanese Landrace Takakibi NOG. Plant and Cell Physiology, 2020, 61, 1262-1272.	3.1	25
83	Climate-smart crops: key root anatomical traits that confer flooding tolerance. Breeding Science, 2021, 71, 51-61.	1.9	24
84	Studies of mitochondrial morphology and DNA amount in the rice egg cell. Current Genetics, 2010, 56, 33-41.	1.7	23
85	Characterization and expression of the genes for cytochrome c oxidase subunit VIb (COX6b) from rice and Arabidopsis thaliana. Gene, 2001, 264, 233-239.	2.2	22
86	miRNAs control HAM1 functions at the single-cell-layer level and are essential for normal embryogenesis in Arabidopsis. Plant Molecular Biology, 2018, 96, 627-640.	3.9	22
87	Imaging of plant dynamin-related proteins and clathrin around the plasma membrane by variable incidence angle fluorescence microscopy. Plant Biotechnology, 2007, 24, 449-455.	1.0	22
88	Heap: a highly sensitive and accurate SNP detection tool for low-coverage high-throughput sequencing data. DNA Research, 2017, 24, 397-405.	3.4	19
89	Extraction of restrictable DNA from plants of the genusNelumbo. Plant Molecular Biology Reporter, 1992, 10, 316-318.	1.8	18
90	Longin R-SNARE is retrieved from the plasma membrane by ANTH domain-containing proteins in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25150-25158.	7.1	18

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91	Characterization of two cDNA clones encoding isozymes of the F1F0-ATPase inhibitor protein of rice mitochondria. Planta, 2000, 210, 188-194.	3.2	17
92	Presence of a Latent Mitochondrial Targeting Signal in Gene on Mitochondrial Genome. Molecular Biology and Evolution, 2008, 25, 1791-1793.	8.9	16
93	Palindromic repeated sequences (PRSs) in the mitochondrial genome of rice: evidence for their insertion after divergence of the genus Oryza from the other Gramineae. Plant Molecular Biology, 1994, 24, 273-281.	3.9	15
94	Cold Treatment Induces Transient Mitochondrial Fragmentation in Arabidopsis thaliana in a Way that Requires DRP3A but not ELM1 or an ELM1-Like Homologue, ELM2. International Journal of Molecular Sciences, 2017, 18, 2161.	4.1	15
95	Promoter Shuffling at a Nuclear Gene for Mitochondrial RPL27. Involvement of Interchromosome and Subsequent Intrachromosome Recombinations. Plant Physiology, 2006, 141, 702-710.	4.8	14
96	Distribution of cellulosic wall in the anthers of Arabidopsis during microsporogenesis. Plant Cell Reports, 2013, 32, 1743-1750.	5.6	14
97	Distribution and quantitative variation of mitochondrial plasmid-like DNAs in cultivated rice (Oryza) Tj ETQq1 1 0.784314 rgBT /Overlo	1.0	13
98	Evidence for Transit Peptide Acquisition through Duplication and Subsequent Frameshift Mutation of a Preexisting Protein Gene in Rice. Molecular Biology and Evolution, 2006, 23, 2405-2412.	8.9	13
99	Comparison of shape quantification methods for genomic prediction, and genome-wide association study of sorghum seed morphology. PLoS ONE, 2019, 14, e0224695.	2.5	13
100	Effect of salt tolerance on biomass production in a large population of sorghum accessions. Breeding Science, 2020, 70, 167-175.	1.9	13
101	Translocation of a 190-kb mitochondrial fragment into rice chromosome 12 followed by the integration of four retrotransposons. International Journal of Biological Sciences, 2005, 1, 110-113.	6.4	13
102	Analyis sof homology of small plasmid-like mitochondrial DNAs in the diferent cytoplasmic male sterile strains in rice.. Japanese Journal of Genetics, 1989, 64, 49-56.	1.0	12
103	The CRTA motif is present in the promoters of mitochondrial genes of rice. Plant Science, 1995, 105, 227-234.	3.6	12
104	ABA-Independent Expression of Rice Alternative Oxidase Genes under Environmental Stresses.. Plant Biotechnology, 2002, 19, 187-190.	1.0	12
105	Anaconda, a new class of transposon belonging to the Mu superfamily, has diversified by acquiring host genes during rice evolution. Molecular Genetics and Genomics, 2005, 274, 606-15.	2.1	12
106	Distance-to-Time Conversion Using Gompertz Model Reveals Age-Dependent Aerenchyma Formation in Rice Roots. Plant Physiology, 2020, 183, 1424-1427.	4.8	12
107	A small repeated sequence contains the transcription initiation sites for both trnfM and rrn26 in rice mitochondria. Plant Molecular Biology, 1995, 28, 343-346.	3.9	11
108	The gene for a subunit of an ABC-type heme transporter is transcribed together with the gene for subunit 6 of NADH dehydrogenase in rice mitochondria. Current Genetics, 1996, 29, 412-416.	1.7	11

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109	Phylogenetic relationships in the genus Nelumbo based on polymorphism and quantitative variations in mitochondrial DNA.. Genes and Genetic Systems, 1998, 73, 39-44.	0.7	11
110	Tracking a Single Organelle with Two-Photon Protein Conversion. Optics and Photonics News, 2007, 18, 20.	0.5	11
111	A newly discovered function of peroxisomes. Plant Signaling and Behavior, 2012, 7, 1589-1593.	2.4	11
112	Identification of a bipartite nuclear localization signal in the silkworm Masc protein. FEBS Letters, 2016, 590, 2256-2261.	2.8	11
113	The mitochondrial genome of an asymmetrically cell-fused rapeseed, Brassica napus, containing a radish-derived cytoplasmic male sterility-associated gene. Genes and Genetic Systems, 2018, 93, 143-148.	0.7	11
114	Involvement of N-terminal region in mitochondrial targeting of rice RPS10 and RPS14 proteins. Plant Science, 2003, 164, 1047-1055.	3.6	9
115	A Rice Dynamin-like Protein, OsDRP3A, Is Involved in Mitochondrial Fission. Breeding Science, 2004, 54, 367-372.	1.9	9
116	Fusion of mitochondria in tobacco suspension cultured cells is dependent on the cellular ATP level but not on actin polymerization. Plant Cell Reports, 2010, 29, 1139-1145.	5.6	9
117	Tillering Behavior of the Ricefine culm 1Mutant. Plant Production Science, 2005, 8, 68-70.	2.0	8
118	DCL2is highly expressed in the egg cell in both rice and Arabidopsis. Plant Signaling and Behavior, 2011, 6, 604-606.	2.4	8
119	Characterization of a novel chromodomain-containing gene from the silkworm, Bombyx mori. Gene, 2013, 527, 649-654.	2.2	8
120	Genetic Analysis of Cadmium Accumulation in Shoots of Sorghum Landraces. Crop Science, 2017, 57, 22-31.	1.8	8
121	Genetic dissection of QTLs associated with spikelet-related traits and grain size in sorghum. Scientific Reports, 2021, 11, 9398.	3.3	8
122	Multiple initiation sites for transcription of a gene for subunit 1 of F1-ATPase (atp1) in rice mitochondria. Current Genetics, 1996, 29, 417-422.	1.7	7
123	The rice pyruvate decarboxylase 3 gene, which lacks introns, is transcribed in mature pollen. Journal of Experimental Botany, 2003, 55, 145-146.	4.8	7
124	Transfer of rice mitochondrial ribosomal protein L6 gene to the nucleus: acquisition of the 5'-untranslated region via a transposable element. BMC Evolutionary Biology, 2008, 8, 314.	3.2	7
125	Mitochondrial plasmid-like DNAs of the B1 family in the genus Oryza: sequence heterogeneity and evolution.. Japanese Journal of Genetics, 1995, 70, 675-685.	1.0	6
126	Molecular cloning and nucleotide sequencing of nuclear genes coding for the chloroplast ribosomal proteins L13, L24, L28 of rice (Oryza sativa L.). Plant Science, 1996, 121, 167-174.	3.6	6

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127	The Mitochondrial Fission Regulator DRP3B Does Not Regulate Cell Death in Plants. Annals of Botany, 2006, 97, 1145-1149.	2.9	6
128	Sorghum Ionomics Reveals the Functional SbHMA3a Allele that Limits Excess Cadmium Accumulation in Grains. Plant and Cell Physiology, 2022, 63, 713-728.	3.1	6
129	DOMINANT AWN INHIBITOR Encodes the ALOG Protein Originating from Gene Duplication and Inhibits AWN Elongation by Suppressing Cell Proliferation and Elongation in Sorghum. Plant and Cell Physiology, 2022, 63, 901-918.	3.1	6
130	Polymorphic distribution and molecular diversification of mitochondrial plasmid-like DNAs in the genus Oryza.. Japanese Journal of Genetics, 1995, 70, 601-614.	1.0	5
131	RNA editing of transcripts of the gene for apocytochrome b(cob) in rice mitochondria.. Genes and Genetic Systems, 1996, 71, 85-89.	0.7	5
132	Plant mitochondrial fission and fusion. Plant Biotechnology, 2005, 22, 415-418.	1.0	5
133	FMT, a protein that affects mitochondrial distribution, interacts with translation-related proteins in Arabidopsis thaliana. Plant Cell Reports, 2021, 40, 327-337.	5.6	5
134	Involvement of aldehyde dehydrogenase in alleviation of post-anoxic injury in rice. , 2006, , 111-119.		5
135	Impacts of dominance effects on genomic prediction of sorghum hybrid performance. Breeding Science, 2020, 70, 605-616.	1.9	5
136	Analysis of Expression of Genes for Mitochondrial Aldehyde Dehydrogenase in Maize during Submergence and Following Re-aeration. Breeding Science, 2006, 56, 365-370.	1.9	5
137	Flower Bud Formation of Sacred Lotus (Nelumbo nucifera Gaertn.): A Case Study of â€˜Gyozankourenâ€™ Grown in a Container. Hortscience: A Publication of the American Society for Hortcultural Science, 2014, 49, 516-518.	1.0	5
138	NB-LRR-encoding genes conferring susceptibility to organophosphate pesticides in sorghum. Scientific Reports, 2021, 11, 19828.	3.3	5
139	Isolation and characterization of the pea cytochrome c oxidase Vb gene. Genome, 2006, 49, 1481-1489.	2.0	4
140	Differential changes in copy numbers of rice mitochondrial plasmid-like DNAs and main mitochondrial genomic DNAs that depend on temperature. Current Genetics, 1998, 33, 437-444.	1.7	3
141	Abiotic Stress. Biotechnology in Agriculture and Forestry, 2008, , 337-355.	0.2	3
142	Mitochondrial outer membrane forms bridge between two mitochondria in Arabidopsis thaliana. Plant Signaling and Behavior, 2016, 11, e1167301.	2.4	3
143	Decreased Transcription of a Gene Encoding Putative Mitochondrial Aldehyde Dehydrogenase in Barley (Hordeum vulgare L.) under Submerged Conditions.. Plant Biotechnology, 2001, 18, 223-228.	1.0	3
144	Structure of a Gene for Subunit 9 of NADH Dehydrogenase (nad9) in Rice Mitochondria and RNA Editing of Its Transcript. Plant and Cell Physiology, 1995, 36, 1135-1138.	3.1	2

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145	Dissecting the Genetic Architecture of Biofuel-Related Traits in a Sorghum Breeding Population. G3: Genes, Genomes, Genetics, 2020, 10, 4565-4577.	1.8	2
146	A chloroplast-derived sequence is utilized as a source of promoter sequences for the gene for		