

Naoki Sato

List of Publications by Year in descending order

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149
papers

6,342
citations

76196

40
h-index

79541

73
g-index

157
all docs

157
docs citations

157
times ranked

5524
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipid Pathway Databases with a Focus on. <i>Methods in Molecular Biology</i> , 2021, 2295, 455-468.	0.4	0
2	Dynamism of Metabolic Carbon Flow of Starch and Lipids in <i>Chlamydomonas debaryana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 646498.	1.7	7
3	Are Cyanobacteria an Ancestor of Chloroplasts or Just One of the Gene Donors for Plants and Algae?. <i>Genes</i> , 2021, 12, 823.	1.0	21
4	Reduced cytotoxicity of polyethyleneimine by covalent modification of antioxidant and its application to microalgal transformation. <i>Science and Technology of Advanced Materials</i> , 2021, 22, 864-874.	2.8	4
5	Is Organization of Living Systems Explained by Probability?. <i>Philosophies</i> , 2021, 6, 3.	0.4	1
6	Formation of Spherical Palmelloid Colony with Enhanced Lipid Accumulation by Gel Encapsulation of <i>Chlamydomonas debaryana</i> NIES-2212. <i>Plant and Cell Physiology</i> , 2020, 61, 158-168.	1.5	10
7	Complex origins of chloroplast membranes with photosynthetic machineries: multiple transfers of genes from divergent organisms at different times or a single endosymbiotic event?. <i>Journal of Plant Research</i> , 2020, 133, 15-33.	1.2	22
8	Characterization and Biosynthesis of Lipids in <i>Paulinella micropora</i> MYN1: Evidence for Efficient Integration of Chromatophores into Cellular Lipid Metabolism. <i>Plant and Cell Physiology</i> , 2020, 61, 869-881.	1.5	19
9	Resequencing of the Red Alga <i>Cyanidioschyzon merolae</i> : Strain Differences and Mitochondrial Sequence Corrections. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	0
10	Draft Whole-Genome Sequence of <i>Triparma laevis</i> f. <i>inornata</i> (Parmales, Bolidophyceae), Isolated from the Oyashio Region, Western North Pacific Ocean. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	3
11	Uncommon properties of lipid biosynthesis of isolated plastids in the unicellular red alga <i>Cyanidioschyzon merolae</i> . <i>FEBS Open Bio</i> , 2019, 9, 114-128.	1.0	6
12	Selective loss of photosystem I and formation of tubular thylakoids in heterotrophically grown red alga <i>Cyanidioschyzon merolae</i> . <i>Photosynthesis Research</i> , 2019, 140, 275-287.	1.6	5
13	Statistical analysis of word usage in biological publications since 1965: Historical delineation highlighting an emergence of function-oriented discourses in contemporary molecular and cellular biology. <i>Journal of Theoretical Biology</i> , 2019, 462, 293-303.	0.8	2
14	Re-evaluation of the Initial Ideas of Lynn Margulis. , 2019, , 45-72.		0
15	Continuity and Discontinuity of Chloroplasts and Cyanobacteria. , 2019, , 121-146.		0
16	Endosymbiotic Discourses in the 1960s and 1970s. , 2019, , 73-94.		0
17	Phylogenetic Evidence for the Endosymbiotic Origin of Organelles. , 2019, , 97-120.		0
18	Re-examination of the Endosymbiotic Event, , 2019, , 147-168.		0

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19	“Life-bearing molecules” versus “life-embodying systems”: Two contrasting views on the what-is-life (WIL) problem persisting from the early days of molecular biology to the post-genomic cell- and organism-level biology. <i>BioSystems</i> , 2018, 167, 24-32.	0.9	1
20	Complete Genome Sequence of the Nonheterocystous Cyanobacterium <i>Pseudanabaena</i> sp. ABRG5-3. <i>Genome Announcements</i> , 2018, 6, .	0.8	4
21	Evolution of the Phosphatidylcholine Biosynthesis Pathways in Green Algae: Combinatorial Diversity of Methyltransferases. <i>Journal of Molecular Evolution</i> , 2018, 86, 68-76.	0.8	12
22	Revisiting the Algal “Chloroplast Lipid Droplet”: The Absence of an Entity That Is Unlikely to Exist. <i>Plant Physiology</i> , 2018, 176, 1519-1530.	2.3	41
23	Analysis and modeling of the inverted bioconvection in <i>Chlamydomonas reinhardtii</i> : emergence of plumes from the layer of accumulated cells. <i>Heliyon</i> , 2018, 4, e00586.	1.4	4
24	Optimization of triacylglycerol and starch production in <i>Chlamydomonas debaryana</i> NIES-2212 with regard to light intensity and CO2 concentration. <i>Microbiology (United Kingdom)</i> , 2018, 164, 359-368.	0.7	4
25	Characterization of phosphoethanolamine-N-methyltransferases in green algae. <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 141-146.	1.0	13
26	Diverse origins of enzymes involved in the biosynthesis of chloroplast peptidoglycan. <i>Journal of Plant Research</i> , 2017, 130, 635-645.	1.2	28
27	Lipid metabolism and potentials of biofuel and high added-value oil production in red algae. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 74.	1.7	32
28	Revisiting the theoretical basis of the endosymbiotic origin of plastids in the original context of Lynn Margulis on the origin of mitosing, eukaryotic cells. <i>Journal of Theoretical Biology</i> , 2017, 434, 104-113.	0.8	11
29	Single-Pixel Densitometry Revealed the Presence of Peptidoglycan in the Intermembrane Space of the Moss Chloroplast Envelope in Conventional Electron Micrographs. <i>Plant and Cell Physiology</i> , 2017, 58, 1743-1751.	1.5	16
30	Characterization of two ferredoxin-dependent sulfite reductases having different substrate specificity in the red alga <i>Cyanidioschyzon merolae</i> . <i>Journal of Biochemistry</i> , 2017, 162, mww103.	0.9	2
31	Carbon Metabolism. , 2017, , 297-321.		0
32	“Prokaryotic Pathway” Is Not Prokaryotic: Noncyanobacterial Origin of the Chloroplast Lipid Biosynthetic Pathway Revealed by Comprehensive Phylogenomic Analysis. <i>Genome Biology and Evolution</i> , 2017, 9, 3162-3178.	1.1	24
33	Draft Genome Sequences of Four Species of <i>Chlamydomonas</i> Containing Phosphatidylcholine. <i>Genome Announcements</i> , 2016, 4, .	0.8	17
34	Diversity in Biosynthetic Pathways of Galactolipids in the Light of Endosymbiotic Origin of Chloroplasts. <i>Frontiers in Plant Science</i> , 2016, 7, 117.	1.7	26
35	Construction of Global Acyl Lipid Metabolic Map by Comparative Genomics and Subcellular Localization Analysis in the Red Alga <i>Cyanidioschyzon merolae</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 958.	1.7	25
36	Diverse pathways of phosphatidylcholine biosynthesis in algae as estimated by labeling studies and genomic sequence analysis. <i>Plant Journal</i> , 2016, 87, 281-292.	2.8	22

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37	Sequencing and analysis of the complete organellar genomes of Parmales, a closely related group to Bacillariophyta (diatoms). <i>Current Genetics</i> , 2016, 62, 887-896.	0.8	31
38	Isotopic Combinatomer Analysis Provides <i>in Vivo</i> Evidence of the Direct Epimerization of Monoglucosyl Diacylglycerol in Cyanobacteria. <i>Biochemistry</i> , 2016, 55, 5689-5701.	1.2	8
39	Analysis of triacylglycerol accumulation under nitrogen deprivation in the red alga <i>Cyanidioschyzon merolae</i> . <i>Microbiology (United Kingdom)</i> , 2016, 162, 803-812.	0.7	18
40	Activation of oxidative carbon metabolism by nutritional enrichment by photosynthesis and exogenous organic compounds in the red alga <i>Cyanidioschyzon merolae</i> : evidence for heterotrophic growth. <i>SpringerPlus</i> , 2015, 4, 559.	1.2	20
41	High-Level Accumulation of Triacylglycerol and Starch in Photoautotrophically Grown <i>Chlamydomonas debaryana</i> NIES-2212. <i>Plant and Cell Physiology</i> , 2015, 56, 2447-2456.	1.5	11
42	Algal Dual-Specificity Tyrosine Phosphorylation-Regulated Kinase, Triacylglycerol Accumulation Regulator1, Regulates Accumulation of Triacylglycerol in Nitrogen or Sulfur Deficiency. <i>Plant Physiology</i> , 2015, 168, 752-764.	2.3	61
43	Is Monoglucosyldiacylglycerol a Precursor to Monogalactosyldiacylglycerol in All Cyanobacteria?. <i>Plant and Cell Physiology</i> , 2015, 56, 1890-1899.	1.5	24
44	Characterization of three putative xylulose 5-phosphate/fructose 6-phosphate phosphoketolases in the cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 767-774.	0.6	10
45	Development of 13 polymorphic chloroplast DNA markers in <i>Quercus gilva</i> , a regionally endemic species in Japan. <i>Conservation Genetics Resources</i> , 2014, 6, 961-965.	0.4	5
46	Localization and Phylogenetic Analysis of Enzymes Related to Organellar Genome Replication in the Unicellular Rhodophyte <i>Cyanidioschyzon merolae</i> . <i>Genome Biology and Evolution</i> , 2014, 6, 228-237.	1.1	23
47	ppdb: plant promoter database version 3.0. <i>Nucleic Acids Research</i> , 2014, 42, D1188-D1192.	6.5	61
48	Cellular Dynamics Drives the Emergence of Supracellular Structure in the Cyanobacterium, <i>Phormidium</i> sp. KS. <i>Life</i> , 2014, 4, 819-836.	1.1	10
49	Enzymes involved in organellar DNA replication in photosynthetic eukaryotes. <i>Frontiers in Plant Science</i> , 2014, 5, 480.	1.7	55
50	Oxygenic photosynthesis without galactolipids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13571-13575.	3.3	60
51	Analysis of the complete plastid genome of the unicellular red alga <i>Porphyridium purpureum</i> . <i>Journal of Plant Research</i> , 2014, 127, 389-397.	1.2	45
52	<i>Klebsormidium flaccidum</i> genome reveals primary factors for plant terrestrial adaptation. <i>Nature Communications</i> , 2014, 5, 3978.	5.8	532
53	Molecular Phylogeny and Intricate Evolutionary History of the Three Isofunctional Enzymes Involved in the Oxidation of Protoporphyrinogen IX. <i>Genome Biology and Evolution</i> , 2014, 6, 2141-2155.	1.1	49
54	Subcellular distribution of central carbohydrate metabolism pathways in the red alga <i>Cyanidioschyzon merolae</i> . <i>Planta</i> , 2014, 240, 585-598.	1.6	29

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55	Detection and characterization of phosphatidylcholine in various strains of the genus <i>Chlamydomonas</i> (Volvocales, Chlorophyceae). <i>Journal of Plant Research</i> , 2014, 127, 641-650.	1.2	13
56	Detailed Identification of Fatty Acid Isomers Sheds Light on the Probable Precursors of Triacylglycerol Accumulation in Photoautotrophically Grown <i>Chlamydomonas reinhardtii</i> . <i>Eukaryotic Cell</i> , 2014, 13, 256-266.	3.4	35
57	Role of galactolipid biosynthesis in coordinated development of photosynthetic complexes and thylakoid membranes during chloroplast biogenesis in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2013, 73, 250-261.	2.8	76
58	The Plant and Protist Organellar DNA Replication Enzyme POP Showing Up in Place of DNA Polymerase Gamma May Be a Suitable Antiprotozoal Drug Target. , 2013, , .		1
59	Scientific Ian Vital: Entropy Deficit or Inhomogeneity as a Unified Concept of Driving Forces of Life in Hierarchical Biosphere Driven by Photosynthesis. <i>Entropy</i> , 2012, 14, 233-251.	1.1	15
60	Identification of Substrain-Specific Mutations by Massively Parallel Whole-Genome Resequencing of <i>Synechocystis</i> sp. PCC 6803. <i>DNA Research</i> , 2012, 19, 67-79.	1.5	119
61	The all0458/lti46.2 gene encodes a low temperature-induced Dps protein homologue in the cyanobacteria <i>Anabaena</i> sp. PCC 7120 and <i>Anabaena variabilis</i> M3. <i>Microbiology (United Kingdom)</i> , 2012, 158, 2527-2536.	0.7	14
62	Statistics of N-terminal alignment as a guide for refining prokaryotic gene annotation. <i>Genomics</i> , 2012, 99, 138-143.	1.3	9
63	Conservation of POPs, the Plant Organellar DNA Polymerases, in Eukaryotes. <i>Protist</i> , 2011, 162, 177-187.	0.6	39
64	Genomic Structure of the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803 Strain GT-S. <i>DNA Research</i> , 2011, 18, 393-399.	1.5	42
65	CyanoClust: comparative genome resources of cyanobacteria and plastids. <i>Database: the Journal of Biological Databases and Curation</i> , 2010, 2010, bap025-bap025.	1.4	22
66	Elucidating Genome Structure Evolution by Analysis of Isoapostatic Gene Clusters using Statistics of Variance of Gene Distances. <i>Genome Biology and Evolution</i> , 2010, 2, 1-12.	1.1	4
67	Early candidacy for differentiation into heterocysts in the filamentous cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Archives of Microbiology</i> , 2010, 192, 23-31.	1.0	20
68	Dynamic morphologies of pollen plastids visualised by vegetative-specific FtsZ1-GFP in <i>Arabidopsis thaliana</i> . <i>Protoplasma</i> , 2010, 242, 19-33.	1.0	17
69	Phylogenomic and structural modeling analyses of the PsbP superfamily reveal multiple small segment additions in the evolution of photosystem II-associated PsbP protein in green plants. <i>Molecular Phylogenetics and Evolution</i> , 2010, 56, 176-186.	1.2	40
70	Characterization of cell-cycle-driven and light-driven gene expression in a synchronous culture system in the unicellular rhodophyte <i>Cyanidioschyzon merolae</i> . <i>Microbiology (United Kingdom)</i> , 2010, 156, 1730-1737.	0.7	17
71	Genomic Structure of an Economically Important Cyanobacterium, <i>Arthrospira (Spirulina) platensis</i> NIES-39. <i>DNA Research</i> , 2010, 17, 85-103.	1.5	107
72	Live Imaging of Chloroplast FtsZ1 Filaments, Rings, Spirals, and Motile Dot Structures in the AtMinE1 Mutant and Overexpressor of <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2009, 50, 1116-1126.	1.5	29

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73	Gclust: <i>trans</i> -kingdom classification of proteins using automatic individual threshold setting. <i>Bioinformatics</i> , 2009, 25, 599-605.	1.8	42
74	Orthogenomics of Photosynthetic Organisms: Bioinformatic and Experimental Analysis of Chloroplast Proteins of Endosymbiont Origin in Arabidopsis and Their Counterparts in Synechocystis. <i>Plant and Cell Physiology</i> , 2009, 50, 773-788.	1.5	34
75	Lack of digalactosyldiacylglycerol increases the sensitivity of <i>Synechocystis</i> sp. PCC 6803 to high light stress. <i>FEBS Letters</i> , 2009, 583, 718-722.	1.3	29
76	Involvement of digalactosyldiacylglycerol in cellular thermotolerance in <i>Synechocystis</i> sp. PCC 6803. <i>Archives of Microbiology</i> , 2009, 191, 595-601.	1.0	26
77	Plastid localization of the PEND protein is mediated by a noncanonical transit peptide. <i>FEBS Journal</i> , 2009, 276, 1709-1719.	2.2	15
78	A novel variant of ferredoxin-dependent sulfite reductase having preferred substrate specificity for nitrite in the unicellular red alga <i>Cyanidioschyzon merolae</i> . <i>Biochemical Journal</i> , 2009, 423, 91-98.	1.7	18
79	Purification and characterization of organellar DNA polymerases in the red alga <i>Cyanidioschyzon merolae</i> . <i>FEBS Journal</i> , 2008, 275, 2899-2918.	2.2	33
80	The Assembly of the FtsZ Ring at the Mid-Chloroplast Division Site Depends on a Balance Between the Activities of AtMinE1 and ARC11/AtMinD1. <i>Plant and Cell Physiology</i> , 2008, 49, 345-361.	1.5	54
81	Digalactosyldiacylglycerol Is Required for Stabilization of the Oxygen-Evolving Complex in Photosystem II. <i>Plant Physiology</i> , 2007, 145, 1361-1370.	2.3	124
82	The Mitochondrial Genome of the Moss <i>Physcomitrella patens</i> Sheds New Light on Mitochondrial Evolution in Land Plants. <i>Molecular Biology and Evolution</i> , 2007, 24, 699-709.	3.5	143
83	Crystal structure and dynamic properties of a bimetallic cyano complex Cd(C ₄ H ₈ O ₂)Cu(CN) ₃ with an interpenetrating 3D framework containing a 1,4-dioxane bridging ligand as a rotor. <i>Dalton Transactions</i> , 2007, , 1115.	1.6	15
84	A 100%-complete sequence reveals unusually simple genomic features in the hot-spring red alga <i>Cyanidioschyzon merolae</i> . <i>BMC Biology</i> , 2007, 5, 28.	1.7	269
85	DNA binding and partial nucleoid localization of the chloroplast stromal enzyme ferredoxin:sulfite reductase. <i>FEBS Journal</i> , 2007, 274, 2054-2069.	2.2	50
86	Genomic and Biochemical Analysis of Lipid Biosynthesis in the Unicellular Rhodophyte <i>Cyanidioschyzon merolae</i> : Lack of a Plastidic Desaturation Pathway Results in the Coupled Pathway of Galactolipid Synthesis. <i>Eukaryotic Cell</i> , 2007, 6, 1006-1017.	3.4	88
87	Origin and Evolution of Plastids: Genomic View on the Unification and Diversity of Plastids. <i>Advances in Photosynthesis and Respiration</i> , 2007, , 75-102.	1.0	25
88	Origin and Evolution of Plastids: Genomic View on the Unification and Diversity of Plastids. , 2007, , 75-102.		0
89	Signal Transduction Genes Required for Heterocyst Maturation in <i>Anabaena</i> sp. Strain PCC 7120. <i>Journal of Bacteriology</i> , 2006, 188, 6688-6693.	1.0	24
90	Mutations in Four Regulatory Genes Have Interrelated Effects on Heterocyst Maturation in <i>Anabaena</i> sp. Strain PCC 7120. <i>Journal of Bacteriology</i> , 2006, 188, 7387-7395.	1.0	22

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91	Role of the 5' UTR in accumulation of the <i>trpA</i> transcript at low temperature in the cyanobacterium <i>Anabaena variabilis</i> M3. <i>FEMS Microbiology Letters</i> , 2005, 251, 91-98.	0.7	7
92	Occurrence and characterization of PEND proteins in angiosperms. <i>Journal of Plant Research</i> , 2005, 118, 111-119.	1.2	13
93	Unique Translation Initiation at the Second AUG Codon Determines Mitochondrial Localization of the Phage-Type RNA Polymerases in the Moss <i>Physcomitrella patens</i> . <i>Plant Physiology</i> , 2005, 138, 369-382.	2.3	54
94	Visualization of Plastid Nucleoids In situ Using the PEND-GFP Fusion Protein. <i>Plant and Cell Physiology</i> , 2005, 46, 649-660.	1.5	53
95	Identification of Low-temperature-regulated ORFs in the Cyanobacterium <i>Anabaena</i> sp. Strain PCC 7120: Distinguishing the Effects of Low Temperature from the Effects of Photosystem II Excitation Pressure. <i>Plant and Cell Physiology</i> , 2005, 46, 1237-1245.	1.5	16
96	Mass identification of chloroplast proteins of endosymbiont origin by phylogenetic profiling based on organism-optimized homologous protein groups. <i>Genome Informatics</i> , 2005, 16, 56-68.	0.4	30
97	Cloning and Characterization of Glycine-Rich RNA-Binding Protein cDNAs in the Moss <i>Physcomitrella patens</i> . <i>Plant and Cell Physiology</i> , 2004, 45, 48-56.	1.5	62
98	Genome sequence of the ultrasmall unicellular red alga <i>Cyanidioschyzon merolae</i> 10D. <i>Nature</i> , 2004, 428, 653-657.	13.7	1,016
99	Evolution of the Organellar Transcription Machinery in Bryophytes and Vascular Plants. , 2004, , 91-110.		1
100	Use of segment-based microarray in the analysis of global gene expression in response to various environmental stresses in the cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Journal of General and Applied Microbiology</i> , 2004, 50, 1-8.	0.4	22
101	Conserved temperature-dependent expression of RNA-binding proteins in cyanobacteria with different temperature optima. <i>FEMS Microbiology Letters</i> , 2003, 225, 137-142.	0.7	18
102	Organization, Developmental Dynamics, and Evolution of Plastid Nucleoids. <i>International Review of Cytology</i> , 2003, 232, 217-262.	6.2	72
103	GenoMap, a circular genome data viewer. <i>Bioinformatics</i> , 2003, 19, 1583-1584.	1.8	28
104	Genome-wide Expression Analysis of the Responses to Nitrogen Deprivation in the Heterocyst-forming Cyanobacterium <i>Anabaena</i> sp. Strain PCC 7120. <i>DNA Research</i> , 2003, 10, 97-113.	1.5	104
105	Reversible DNA Compaction by Sulfite Reductase Regulates Transcriptional Activity of Chloroplast Nucleoids. <i>Journal of Biological Chemistry</i> , 2002, 277, 24399-24404.	1.6	63
106	Identification and Characterization of Two Phage-Type RNA Polymerase cDNAs in the Moss <i>Physcomitrella patens</i> : Implication of Recent Evolution of Nuclear-Encoded RNA Polymerase of Plastids in Plants. <i>Plant and Cell Physiology</i> , 2002, 43, 245-255.	1.5	55
107	Comparative analysis of the genomes of cyanobacteria and plants. <i>Genome Informatics</i> , 2002, 13, 173-82.	0.4	15
108	Characterization of the mitochondrial <i>nad7</i> gene in <i>Physcomitrella patens</i> : Similarity with angiosperm <i>nad7</i> genes. <i>Plant Science</i> , 2001, 160, 807-815.	1.7	17

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109	Was the evolution of plastid genetic machinery discontinuous?. Trends in Plant Science, 2001, 6, 151-155.	4.3	83
110	The 70-kDa major DNA-compacting protein of the chloroplast nucleoid is sulfite reductase. FEBS Letters, 2001, 487, 347-350.	1.3	46
111	DNA-binding specificity and dimerization of the DNA-binding domain of the PEND protein in the chloroplast envelope membrane. Nucleic Acids Research, 2001, 29, 2244-2250.	6.5	31
112	NMR backbone assignments of the cold-regulated RNA-binding protein, rbpA1, in the cyanobacterium, anabaena variabilis M3. Journal of Biomolecular NMR, 2000, 17, 351-352.	1.6	3
113	SISEQ: manipulation of multiple sequence and large database files for common platforms. Bioinformatics, 2000, 16, 180-181.	1.8	30
114	Conservation of structure and cold-regulation of RNA-binding proteins in cyanobacteria: Probable convergent evolution with eukaryotic glycine-rich RNA-binding proteins. Nucleic Acids Research, 1999, 27, 2029-2036.	6.5	96
115	Do plastid envelope membranes play a role in the expression of the plastid genome?. Biochimie, 1999, 81, 619-629.	1.3	34
116	The Organellar Genomes of Cyanidioschyzon merolae. , 1999, , 139-149.		3
117	Molecular Characterization of the PEND Protein, a Novel bZIP Protein Present in the Envelope Membrane That Is the Site of Nucleoid Replication in Developing Plastids. Plant Cell, 1998, 10, 859-872.	3.1	80
118	Involvement of the 5'-untranslated region in cold-regulated expression of the rbpA1 gene in the cyanobacterium Anabaena variabilis M3. Nucleic Acids Research, 1998, 26, 2192-2199.	6.5	17
119	Analysis of the Cluster of Ribosomal Protein Genes in the Plastid Genome of a Unicellular Red Alga Cyanidioschyzon merolae: Translocation of the str Cluster as an Early Event in the Rhodophyte-Chromophyte Lineage of Plastid Evolution. Journal of Molecular Evolution, 1997, 45, 688-695.	0.8	27
120	Identification of a cold-regulated RNA-binding protein from the marine cyanobacterium Synechococcus sp. PCC7002. Journal of Plant Research, 1997, 110, 405-410.	1.2	4
121	Analysis of a plastid gene cluster reveals a close relationship between Cyanidioschyzon and Cyanidium. Journal of Plant Research, 1997, 110, 235-245.	1.2	23
122	Disruption Analysis of the Gene for a Cold-Regulated RNA-Binding Protein, rbpA1, in Anabaena: Cold-Induced Initiation of the Heterocyst Differentiation Pathway. Plant and Cell Physiology, 1996, 37, 1150-1160.	1.5	19
123	The trpA gene on the plastid genome of Cyanidium caldarium strain RK-1. Current Genetics, 1994, 25, 357-361.	0.8	25
124	A cold-regulated cyanobacterial gene cluster encodes RNA-binding protein and ribosomal protein S21. Plant Molecular Biology, 1994, 24, 819-823.	2.0	53
125	Isolation and characterization of novel genes which are expressed during the very early stage of zygote formation in Chlamydomonas reinhardtii. Current Genetics, 1993, 24, 296-300.	0.8	38
126	Comparative Restriction Endonuclease Analysis of Rhodoplast DNA from Different Species of Porphyra (Bangiales, Rhodophyta).. Nippon Suisan Gakkaishi, 1992, 58, 477-480.	0.0	3

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127	Cloning of a low-temperature-induced gene from the cyanobacterium <i>Anabaena variabilis</i> M3 that is homologous to α -amylases. <i>Plant Molecular Biology</i> , 1992, 18, 165-170.	2.0	20
128	Betaine lipids. <i>Botanical Magazine</i> , 1992, 105, 185-197.	0.6	67
129	Transition of lipid phase in aqueous dispersions of diacylglyceryltrimethylhomoserine. <i>Lipids and Lipid Metabolism</i> , 1991, 1082, 108-111.	2.6	32
130	Methylation of DNA in the chloroplasts and amyloplasts of the pea, <i>Pisum sativum</i> . <i>Plant Science</i> , 1991, 78, 33-42.	1.7	21
131	Distribution of Diacylglycerylhydroxymethyltrimethyl-L-alanine (DGTA) and Phosphatidylcholine in Brown Algae. <i>Plant and Cell Physiology</i> , 1991, 32, 623-628.	1.5	49
132	Nucleotide sequence of a pseudogene for pea phytochrome reminiscent of an incorrect splicing event. <i>Nucleic Acids Research</i> , 1990, 18, 3632-3632.	6.5	7
133	Phytochrome control of multiple transcripts of the phytochrome gene in <i>Pisum sativum</i> . <i>Plant Molecular Biology</i> , 1989, 12, 295-299.	2.0	30
134	Modulation of lipid and fatty acid content by carbon dioxide in <i>Chlamydomonas reinhardtii</i> . <i>Plant Science</i> , 1989, 61, 17-21.	1.7	27
135	Nucleotide sequence and expression of the phytochrome gene in <i>Pisum sativum</i> : Differential regulation by light of multiple transcripts. <i>Plant Molecular Biology</i> , 1988, 11, 697-710.	2.0	105
136	Analysis and biosynthesis of in the cells of <i>Marchantia</i> in suspension culture. <i>Plant Science</i> , 1988, 55, 21-25.	1.7	32
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