Kan Tanaka

List of Publications by Year
in descending order

175 papers	9,601 citations	41344 49 h-index	45317 90 g-index
177 all docs	177 docs citations	177 times ranked	6475 citing authors

#	Article	IF	Citations
1	Conserved Two-component Hik2â€“Rre1 Signaling Is Activated Under Temperature Upshift and Plastoquinone-reducing Conditions in the Cyanobacterium <i>Synechococcus elongatus</i> PCC 7942. Plant and Cell Physiology, 2022, 63, 176-188.	3.1	4
2	CmNDB1 and a Specific Domain of CmMYB1 Negatively Regulate CmMYB1-Dependent Transcription of Nitrate Assimilation Genes Under Nitrogen-Repleted Condition in a Unicellular Red Alga. Frontiers in Plant Science, 2022, 13, 821947.	3.6	1
3	The circadian rhythm regulator RpaA modulates photosynthetic electron transport and alters the preferable temperature range for growth in a cyanobacterium. FEBS Letters, 2021, 595, 1480-1492.	2.8	2
4	The Unicellular Red Alga<i>Cyanidioschyzon merolaeâ€”</i>The Simplest Model of a Photosynthetic Eukaryote. Plant and Cell Physiology, 2021, 62, 926-941.	3.1	24
5	Identification of Transcription Factors and the Regulatory Genes Involved in Triacylglycerol Accumulation in the Unicellular Red Alga Cyanidioschyzon merolae. Plants, 2021, 10, 971.	3.5	8
6	The Unicellular Red Alga Cyanidioschyzon merolae, an Excellent Model Organism for Elucidating Fundamental Molecular Mechanisms and Their Applications in Biofuel Production. Plants, 2021, 10, 1218.	3.5	14
7	Acetate overflow metabolism regulates a major metabolic shift after glucose depletion in <i>Escherichia</i>Â<i>coli</i>. FEBS Letters, 2021, 595, 2047-2056.	2.8	10
8	Establishment of a firefly luciferase reporter assay system in the unicellular red alga <i>Cyanidioschyzon merolae</i>. Journal of General and Applied Microbiology, 2021, 67, 42-46.	0.7	2
9	Identification and analysis of a principal sigma factor interacting protein SinA, essential for growth at high temperatures in a cyanobacterium <i>Synechococcus elongatus</i> PCC 7942. Journal of General and Applied Microbiology, 2020, 66, 66-72.	0.7	5
10	Measurement of the redox state of the plastoquinone pool in cyanobacteria. FEBS Letters, 2020, 594, 367-375.	2.8	14
11	Proteomic analysis of haem-binding protein from <i>Arabidopsis thaliana</i> and <i>Cyanidioschyzon merolae</i>. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190488.	4.0	9
12	Microalgal Target of Rapamycin (TOR): A Central Regulatory Hub for Growth, Stress Response and Biomass Production. Plant and Cell Physiology, 2020, 61, 675-684.	3.1	11
13	A suicide enzyme catalyzes multiple reactions for biotin biosynthesis in cyanobacteria. Nature Chemical Biology, 2020, 16, 415-422.	8.0	15
14	ESCRT Machinery Mediates Cytokinetic Abscission in the Unicellular Red Alga Cyanidioschyzon merolae. Frontiers in Cell and Developmental Biology, 2020, 8, 169.	3.7	14
15	Overexpression of a glycogenin, CmGLG2, enhances floridean starch accumulation in the red alga<i>Cyanidioschyzon merolae</i>. Plant Signaling and Behavior, 2019, 14, 1596718.	2.4	11
16	Câ€terminal regulatory domain of the Îµ subunit of F_oF₁ ATP synthase enhances the ATPâ€dependent H⁺ pumping that is involved in the maintenance of cellular membrane potential in <i>Bacillus subtilis</i>. MicrobiologyOpen, 2019, 8, e00815.	3.0	10
17	The retrograde signaling protein GUN1 regulates tetrapyrrole biosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24900-24906.	7.1	48
18	Identification of a chloroplast fatty acid exporter protein, CmFAX1, and triacylglycerol accumulation by its overexpression in the unicellular red alga Cyanidioschyzon merolae. Algal Research, 2019, 38, 101396.	4.6	22

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19	Target of rapamycinâ€signaling modulates starch accumulation via glycogenin phosphorylation status in the unicellular red alga <i>Cyanidioschyzon merolae</i>. Plant Journal, 2019, 97, 485-499.	5.7	28
20	Top Starch Plating Method for the Efficient Cultivation of Unicellular Red Alga Cyanidioschyzon merolae. Bio-protocol, 2019, 9, e3172.	0.4	4
21	Multiple Modification of Chromosomal Loci Using URA5.3 Selection Marker in the Unicellular Red Alga Cyanidioschyzon merolae. Bio-protocol, 2019, 9, e3204.	0.4	7
22	The checkpoint kinase <scp>TOR</scp> (target of rapamycin) regulates expression of a nuclearâ€encoded chloroplast RelAâ€SpoT homolog (<scp>RSH</scp>) and modulates chloroplast ribosomal <scp>RNA</scp> synthesis in a unicellular red alga. Plant Journal, 2018, 94, 327-339.	5.7	28
23	Construction of a Selectable Marker Recycling System and the Use in Epitope Tagging of Multiple Nuclear Genes in the Unicellular Red Alga Cyanidioschyzon merolae. Plant and Cell Physiology, 2018, 59, 2308-2316.	3.1	14
24	Lability in sulfur acidic cultivation medium explains unstable effects of CDK inhibitors on <i>Cyanidioschyzon merolae</i> cell proliferation. Journal of General and Applied Microbiology, 2018, 64, 299-302.	0.7	1
25	Accelerated triacylglycerol production without growth inhibition by overexpression of a glycerol-3-phosphate acyltransferase in the unicellular red alga Cyanidioschyzon merolae. Scientific Reports, 2018, 8, 12410.	3.3	51
26	Conserved twoâ€component <scp>H</scp>ik34â€<scp>R</scp>re1 module directly activates heatâ€stress inducible transcription of major chaperone and other genes in <scp><i>S</i></scp><i>ynechococcus elongatus</i><scp>PCC</scp> 7942. Molecular Microbiology, 2017, 104, 260-277.	2.5	17
27	Development of New Carbon Resources: Production of Important Chemicals from Algal Residue. Scientific Reports, 2017, 7, 855.	3.3	23
28	A <scp>MYB</scp>â€type transcription factor, <scp>MYB</scp>2, represses lightâ€harvesting protein genes in <i>Cyanidioschyzon merolae</i>. FEBS Letters, 2017, 591, 2439-2448.	2.8	3
29	Nitrogen Metabolism. , 2017, , 283-296.		0
30	Catalytic Processes for Utilizing Carbohydrates Derived from Algal Biomass. Catalysts, 2017, 7, 163.	3.5	8
31	Identification of YbhA as the pyridoxal 5Ê¹-phosphate (PLP) phosphatase in <i>Escherichia coli</i>: Importance of PLP homeostasis on the bacterial growth. Journal of General and Applied Microbiology, 2017, 63, 362-368.	0.7	29
32	Construction of a rapamycin-susceptible strain of the unicellular red alga <i>Cyanidioschyzon merolae</i> for analysis of the target of rapamycin (TOR) function. Journal of General and Applied Microbiology, 2017, 63, 305-309.	0.7	10
33	Control of Cell Nuclear DNA Replication by Chloroplast and Mitochondrion. , 2017, , 195-204.		1
34	The whole set of the constitutive promoters recognized by four minor sigma subunits of Escherichia coli RNA polymerase. PLoS ONE, 2017, 12, e0179181.	2.5	32
35	Transcriptional Regulation of Tetrapyrrole Biosynthetic Genes Explains Abscisic Acid-Induced Heme Accumulation in the Unicellular Red Alga Cyanidioschyzon merolae. Frontiers in Plant Science, 2016, 7, 1300.	3.6	7
36	Abscisic Acid Participates in the Control of Cell Cycle Initiation Through Heme Homeostasis in the Unicellular Red Alga<i>Cyanidioschyzon merolae</i>. Plant and Cell Physiology, 2016, 57, 953-960.	3.1	39

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37	Eyespot-dependent determination of the phototactic sign in <i>Chlamydomonas reinhardtii</i>. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5299-5304.	7.1	70
38	Use of a Bacterial Luciferase Monitoring System To Estimate Real-Time Dynamics of Intracellular Metabolism in Escherichia coli. Applied and Environmental Microbiology, 2016, 82, 5960-5968.	3.1	8
39	TOR (target of rapamycin) is a key regulator of triacylglycerol accumulation in microalgae. Plant Signaling and Behavior, 2016, 11, e1149285.	2.4	43
40	Transcription factor DecR (YbaO) controls detoxification of L-cysteine in Escherichia coli. Microbiology (United Kingdom), 2016, 162, 1698-1707.	1.8	44
41	A nitrogen source-dependent inducible and repressible gene expression system in the red alga Cyanidioschyzon merolae. Frontiers in Plant Science, 2015, 6, 657.	3.6	32
42	Identification of centromere regions in chromosomes of a unicellular red alga, <i>Cyanidioschyzon merolae</i>. FEBS Letters, 2015, 589, 1219-1224.	2.8	13
43	The nuclear-encoded sigma factor SIG4 directly activates transcription of chloroplast psbA and ycf17 genes in the unicellular red alga Cyanidioschyzon merolae. FEMS Microbiology Letters, 2015, 362, .	1.8	6
44	Expression of Cyanobacterial Acyl-ACP Reductase Elevates the Triacylglycerol Level in the Red Alga<i>Cyanidioschyzon merolae</i>. Plant and Cell Physiology, 2015, 56, 1962-1980.	3.1	41
45	Complete Genome Sequence of Cyanobacterium <i>Geminocystis</i> sp. Strain NIES-3708, Which Performs Type II Complementary Chromatic Acclimation. Genome Announcements, 2015, 3, .	0.8	13
46	Complete Genome Sequence of Cyanobacterium <i>Geminocystis</i> sp. Strain NIES-3709, Which Harbors a Phycoerythrin-Rich Phycobilisome. Genome Announcements, 2015, 3, .	0.8	17
47	Target of rapamycin (TOR) plays a critical role in triacylglycerol accumulation in microalgae. Plant Molecular Biology, 2015, 89, 309-318.	3.9	73
48	Expanded roles of leucine-responsive regulatory protein in transcription regulation of the Escherichia coli genome: Genomic SELEX screening of the regulation targets. Microbial Genomics, 2015, 1, e000001.	2.0	25
49	Construction of a <i>URA5.3</i> deletion strain of the unicellular red alga <i>Cyanidioschyzon merolae</i>: A backgroundless host strain for transformation experiments. Journal of General and Applied Microbiology, 2015, 61, 211-214.	0.7	26
50	Optimization of polyethylene glycol (PEG)-mediated DNA introduction conditions for transient gene expression in the unicellular red alga Cyanidioschyzon merolae. Journal of General and Applied Microbiology, 2014, 60, 156-159.	0.7	9
51	The Whole Set of Constitutive Promoters Recognized by RNA Polymerase RpoD Holoenzyme of Escherichia coli. PLoS ONE, 2014, 9, e90447.	2.5	111
52	Metabolomic analysis reveals rewiring of <scp><i>S</i></scp><i>ynechocystis</i>â€...<scp>sp</scp>. <scp>PCC</scp> 6803 primary metabolism by <i>ntcA</i> overexpression. Environmental Microbiology, 2014, 16, 3304-3317.	3.8	18
53	Capillary electrophoresisâ€"mass spectrometry reveals the distribution of carbon metabolites during nitrogen starvation in <i><scp>S</scp>ynechocystis</i> sp. <scp>PCC</scp> 6803. Environmental Microbiology, 2014, 16, 512-524.	3.8	83
54	Stable expression of a GFP-reporter gene in the red alga Cyanidioschyzon merolae. Bioscience, Biotechnology and Biochemistry, 2014, 78, 175-177.	1.3	9

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55	Pleiotropic effect of <i>sigE</i> overâ€expression on cell morphology, photosynthesis and hydrogen production in <i>Synechocystis</i> sp. <scp>PCC</scp> 6803. Plant Journal, 2013, 76, 456-465.	5.7	37
56	Nuclearâ€encoded chloroplast RNA polymerase sigma factor SIG2 activates chloroplastâ€encoded phycobilisome genes in a red alga, <i>Cyanidioschyzon merolae</i>. FEBS Letters, 2013, 587, 3354-3359.	2.8	21
57	Expression of budding yeast FKBP12 confers rapamycin susceptibility to the unicellular red alga Cyanidioschyzon merolae. Biochemical and Biophysical Research Communications, 2013, 439, 264-269.	2.1	26
58	Circadian Control of Chloroplast Transcription by a Nuclear-Encoded Timing Signal. Science, 2013, 339, 1316-1319.	12.6	139
59	Characterization of Four Nuclear-Encoded Plastid RNA Polymerase Sigma Factor Genes in the Liverwort Marchantia polymorpha: Blue-Light- and Multiple Stress-Responsive SIG5 was Acquired Early in the Emergence of Terrestrial Plants. Plant and Cell Physiology, 2013, 54, 1736-1748.	3.1	31
60	Spatiotemporal dynamics of condensins I and II: evolutionary insights from the primitive red alga Cyanidioschyzon merolae. Molecular Biology of the Cell, 2013, 24, 2515-2527.	2.1	51
61	Increased Bioplastic Production with an RNA Polymerase Sigma Factor SigE during Nitrogen Starvation in Synechocystis sp. PCC 6803. DNA Research, 2013, 20, 525-535.	3.4	113
62	Mitochondrial Localization of Ferrochelatase in a Red Alga Cyanidioschyzon merolae. Plant and Cell Physiology, 2013, 54, 1289-1295.	3.1	21
63	SIG1, a Sigma Factor for the Chloroplast RNA Polymerase, Differently Associates with Multiple DNA Regions in the Chloroplast Chromosomes in Vivo. International Journal of Molecular Sciences, 2012, 13, 12182-12194.	4.1	24
64	Retrograde signals arise from reciprocal crosstalk within plastids. Plant Signaling and Behavior, 2012, 7, 142-144.	2.4	6
65	RpaB, Another Response Regulator Operating Circadian Clock-dependent Transcriptional Regulation in Synechococcus elongatus PCC 7942. Journal of Biological Chemistry, 2012, 287, 26321-26327.	3.4	51
66	Iodide Oxidation by a Novel Multicopper Oxidase from the Alphaproteobacterium Strain Q-1. Applied and Environmental Microbiology, 2012, 78, 3941-3949.	3.1	35
67	External Light Conditions and Internal Cell Cycle Phases Coordinate Accumulation of Chloroplast and Mitochondrial Transcripts in the Red Alga Cyanidioschyzon merolae. DNA Research, 2012, 19, 289-303.	3.4	25
68	Nuclear-Encoded Plastid Sigma Factor SIG6 Exclusively Contributes to Chloroplast Differentiation in Plastid Differentiation of <i>Arabidopsis thaliana</i>. Cytologia, 2012, 77, 73-82.	0.6	2
69	The early days of plastid retrograde signaling with respect to replication and transcription. Frontiers in Plant Science, 2012, 3, 301.	3.6	13
70	A Response Regulator Rre37 and an RNA Polymerase Sigma Factor SigE Represent Two Parallel Pathways to Activate Sugar Catabolism in a Cyanobacterium Synechocystis sp. PCC 6803. Plant and Cell Physiology, 2011, 52, 404-412.	3.1	59
71	Plastid-to-Nucleus Retrograde Signals Are Essential for the Expression of Nuclear Starch Biosynthesis Genes during Amyloplast Differentiation in Tobacco BY-2 Cultured Cells Â Â. Plant Physiology, 2011, 157, 518-530.	4.8	37
72	Utility of a GFP reporter system in the red alga Cyanidioschyzon merolae. Journal of General and Applied Microbiology, 2011, 57, 69-72.	0.7	35

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73	Optimization of cryopreservation conditions for the unicellular red alga Cyanidioschyzon merolae. Journal of General and Applied Microbiology, 2011, 57, 137-143.	0.7	5
74	A tetrapyrrole-regulated ubiquitin ligase controls algal nuclear DNA replication. Nature Cell Biology, 2011, 13, 483-487.	10.3	52
75	Comparative Study of Cyanobacterial and<i>E. coli</i>RNA Polymerases: Misincorporation, Abortive Transcription, and Dependence on Divalent Cations. Genetics Research International, 2011, 2011, 1-11.	2.0	19
76	Genetic Engineering of Group 2 Ïƒ Factor SigE Widely Activates Expressions of Sugar Catabolic Genes in Synechocystis Species PCC 6803. Journal of Biological Chemistry, 2011, 286, 30962-30971.	3.4	116
77	Nitrate Assimilatory Genes and Their Transcriptional Regulation in a Unicellular Red Alga Cyanidioschyzon merolae: Genetic Evidence for Nitrite Reduction by a Sulfite Reductase-Like Enzyme. Plant and Cell Physiology, 2010, 51, 707-717.	3.1	86
78	Nucleus-Independent Control of the Rubisco Operon by the Plastid-Encoded Transcription Factor Ycf30 in the Red Alga <i>Cyanidioschyzon merolae</i>. Plant Physiology, 2010, 154, 1532-1540.	4.8	33
79	The Coiled-Coil Protein VIG1 Is Essential for Tethering Vacuoles to Mitochondria during Vacuole Inheritance of Cyanidioschyzon merolae Â Â Â. Plant Cell, 2010, 22, 772-781.	6.6	35
80	Coordination of Nuclear and Plastid Gene Expression in Red Algae and Green Plants. Cellular Origin and Life in Extreme Habitats, 2010, , 171-190.	0.3	1
81	ChlH, the H subunit of the Mg-chelatase, is an anti-sigma factor for SigE in <i>Synechocystis</i> sp. PCC 6803. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6860-6865.	7.1	71
82	Correction for Imamura et al., R2R3-type MYB transcription factor, CmMYB1, is a central nitrogen assimilation regulator in <i>Cyanidioschyzon merolae</i>. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14180-14180.	7.1	2
83	Tetrapyrrole signal as a cell-cycle coordinator from organelle to nuclear DNA replication in plant cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 803-807.	7.1	103
84	Mg-Protoporphyrin IX Signaling inCyanidioschyzon merolae. Plant Signaling and Behavior, 2009, 4, 1190-1192.	2.4	9
85	Periodic Gene Expression Patterns during the Highly Synchronized Cell Nucleus and Organelle Division Cycles in the Unicellular Red Alga Cyanidioschyzon merolae. DNA Research, 2009, 16, 59-72.	3.4	68
86	R2R3-type MYB transcription factor, CmMYB1, is a central nitrogen assimilation regulator in <i>Cyanidioschyzon merolae</i>. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12548-12553.	7.1	112
87	Arabidopsis Replication Protein A 70a is Required for DNA Damage Response and Telomere Length Homeostasis. Plant and Cell Physiology, 2009, 50, 1965-1976.	3.1	50
88	Transient gene suppression in a red alga, Cyanidioschyzon merolae 10D. Protoplasma, 2009, 236, 107-112.	2.1	48
89	The plant-specific TFIIB-related protein, pBrp, is a general transcription factor for RNA polymerase I. EMBO Journal, 2008, 27, 2317-2327.	7.8	35
90	Group 2 sigma factors in cyanobacteria. Physiologia Plantarum, 2008, 133, 490-506.	5.2	37

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91	Dynamics of RpaBâ€“promoter interaction during high light stress, revealed by chromatin immunoprecipitation (ChIP) analysis in <i>Synechococcus elongatus</i> PCC 7942. Plant Journal, 2008, 56, 327-335.	5.7	67
92	Polyethylene Glycol (PEG)-Mediated Transient Gene Expression in a Red Alga, Cyanidioschyzon merolae 10D. Plant and Cell Physiology, 2008, 49, 117-120.	3.1	114
93	Centromere structures highlighted by the 100%-completeCyanidioschyzon merolaeGenome. Plant Signaling and Behavior, 2008, 3, 140-141.	2.4	11
94	Functional analysis of the plastid and nuclear encoded CbbX proteins of Cyanidioschyzon merolae. Genes and Genetic Systems, 2008, 83, 135-142.	0.7	10
95	Molecular phylogeny and evolution of the plastid and nuclear encoded cbbX genes in the unicellular red alga Cyanidioschyzon merolae. Genes and Genetic Systems, 2008, 83, 127-133.	0.7	18
96	Keeping in Touch with PII: PII-Interacting Proteins in Unicellular Cyanobacteria. Plant and Cell Physiology, 2007, 48, 908-914.	3.1	45
97	Induction of a Group 2 Ïƒ Factor, RPOD3, by High Light and the Underlying Mechanism in Synechococcus elongatus PCC 7942. Journal of Biological Chemistry, 2007, 282, 36887-36894.	3.4	50
98	Interference Expression at Levels of the Transcript and Protein among Group 1, 2, and 3 Sigma Factor Genes in a Cyanobacterium. Microbes and Environments, 2007, 22, 32-43.	1.6	11
99	Sugar catabolism regulated by light- and nitrogen-status in the cyanobacterium Synechocystis sp. PCC 6803. Photochemical and Photobiological Sciences, 2007, 6, 508.	2.9	47
100	Cooperation of group 2 Ïƒ factors, SigD and SigE for light-induced transcription in the cyanobacteriumSynechocystissp. PCC 6803. FEBS Letters, 2007, 581, 1495-1500.	2.8	29
101	A 100%-complete sequence reveals unusually simple genomic features in the hot-spring red alga Cyanidioschyzon merolae. BMC Biology, 2007, 5, 28.	3.8	269
102	Centromere dynamics in the primitive red alga Cyanidioschyzon merolae. Plant Journal, 2007, 49, 1122-1129.	5.7	32
103	Chloroplast ribosome release factor 1 (AtcpRF1) is essential for chloroplast development. Plant Molecular Biology, 2007, 64, 481-497.	3.9	55
104	Nitrogen Induction of Sugar Catabolic Gene Expression in Synechocystis sp. PCC 6803. DNA Research, 2006, 13, 185-195.	3.4	127
105	Light-responsive transcriptional regulation of thesufpromoters involved in cyanobacteriumSynechocystissp. PCC 6803 Fe-S cluster biogenesis. FEBS Letters, 2006, 580, 5044-5048.	2.8	14
106	The cyanobacterial principal Ïƒ factor region 1.1 is involved in DNA-binding in the free form and in transcription activity as holoenzyme. FEBS Letters, 2006, 580, 3439-3444.	2.8	8
107	Cytoplasmic Localization of the Single Glutamine Synthetase in a Unicellular Red Alga,Cyanidioschyzon merolae10D. Bioscience, Biotechnology and Biochemistry, 2006, 70, 2313-2315.	1.3	20
108	Growth Phase-dependent Activation of Nitrogen-related Genes by a Control Network of Group 1 and Group 2 Ïƒ Factors in a Cyanobacterium. Journal of Biological Chemistry, 2006, 281, 2668-2675.	3.4	49

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109	Glutamylâ€tRNA mediates a switch in RNA polymerase use during chloroplast biogenesis. EMBO Reports, 2005, 6, 545-550.	4.5	93
110	Bacterial luciferase activity and the intracellular redox pool in Escherichia coli. Molecular Genetics and Genomics, 2005, 274, 180-188.	2.1	36
111	Microarray Profiling of Plastid Gene Expression in a Unicellular Red Alga, Cyanidioschyzon merolae. Plant Molecular Biology, 2005, 59, 375-385.	3.9	40
112	Positive Regulation of Sugar Catabolic Pathways in the Cyanobacterium Synechocystis sp. PCC 6803 by the Group 2 Ïƒ Factor SigE. Journal of Biological Chemistry, 2005, 280, 30653-30659.	3.4	159
113	Identification of PamA as a PII-binding Membrane Protein Important in Nitrogen-related and Sugar-catabolic Gene Expression in Synechocystis sp. PCC 6803. Journal of Biological Chemistry, 2005, 280, 34684-34690.	3.4	50
114	Specific function of a plastid sigma factor for ndhF gene transcription. Nucleic Acids Research, 2005, 33, 5991-5999.	14.5	83
115	Improvement of Culture Conditions and Evidence for Nuclear Transformation by Homologous Recombination in a Red Alga, Cyanidioschyzon merolae 10D. Plant and Cell Physiology, 2004, 45, 667-671.	3.1	219
116	The Multiple-Stress Responsive Plastid Sigma Factor, SIG5, Directs Activation of the psbD Blue Light-Responsive Promoter (BLRP) in Arabidopsis thaliana. Plant and Cell Physiology, 2004, 45, 357-368.	3.1	121
117	Genome sequence of the ultrasmall unicellular red alga Cyanidioschyzon merolae 10D. Nature, 2004, 428, 653-657.	27.8	1,016
118	DNA Microarray Analysis of Plastid Gene Expression in anArabidopsisMutant Deficient in a Plastid Transcription Factor Sigma, SIG2. Bioscience, Biotechnology and Biochemistry, 2004, 68, 694-704.	1.3	64
119	SigC, the Group 2 Sigma Factor of RNA Polymerase, Contributes to the Late-stage Gene Expression and Nitrogen Promoter Recognition in the CyanobacteriumSynechocystissp. Strain PCC 6803. Bioscience, Biotechnology and Biochemistry, 2004, 68, 477-487.	1.3	51
120	Roles of Chloroplast RNA Polymerase Sigma Factors in Chloroplast Development and Stress Response in Higher Plants. Bioscience, Biotechnology and Biochemistry, 2004, 68, 2215-2223.	1.3	72
121	Isolation of Cycloheximide-resistant Mutants of Cyanidioschyzon merolae. Cytologia, 2004, 69, 97-100.	0.6	9
122	Purification, Characterization, and Gene Expression of All Sigma Factors of RNA Polymerase in a Cyanobacterium. Journal of Molecular Biology, 2003, 325, 857-872.	4.2	114
123	Antagonistic dark/light-induced SigB/SigD, group 2 sigma factors, expression through redox potential and their roles in cyanobacteria. FEBS Letters, 2003, 554, 357-362.	2.8	60
124	Complete Sequence and Analysis of the Plastid Genome of the Unicellular Red Alga Cyanidioschyzon merolae. DNA Research, 2003, 10, 67-77.	3.4	208
125	Effects of Antibiotics that Inhibit the Bacterial Peptidoglycan Synthesis Pathway on Moss Chloroplast Division. Plant and Cell Physiology, 2003, 44, 776-781.	3.1	51
126	Molecular genetic analysis of chloroplast gene promoters dependent on SIG2, a nucleus-encoded sigma factor for the plastid-encoded RNA polymerase, in Arabidopsis thaliana. Nucleic Acids Research, 2003, 31, 7090-7098.	14.5	99

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127	Identification and Expression Analysis of cDNA Encoding a Chloroplast Recombination Protein REC1, the Chloroplast RecA Homologue inChlamydomonas reinhardtii. Bioscience, Biotechnology and Biochemistry, 2003, 67, 2608-2613.	1.3	35
128	Thymine at â€”5 Is Crucial for cpc Promoter Activity of Synechocystis sp. Strain PCC 6714. Journal of Bacteriology, 2003, 185, 6477-6480.	2.2	22
129	Transcriptional activation of NtcA-dependent promoters of Synechococcus sp. PCC 7942 by 2-oxoglutarate in vitro. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4251-4255.	7.1	187
130	çœŸæ£ç´°èŒã«ãŠã'ã,‹ä¸»è¦ã,·ã,°ãƒžå›åã®åŠå‹æ€§ã«é–¢ã™ã,‹ç"ç©¶. Nippon Nogeikagaku Kaishi, 2002, 76, 1168-1175.	0.1	0
131	Intergenomic transcriptional interplays between plastid as a cyanobacterial symbiont and nucleus. Progress in Biotechnology, 2002, 22, 105-120.	0.2	1
132	An Arabidopsis Sigma Factor (SIG2)-Dependent Expression of Plastid-Encoded tRNAs in Chloroplasts. Plant and Cell Physiology, 2001, 42, 1034-1043.	3.1	129
133	Chloroplast Targeting, Distribution and Transcriptional Fluctuation of AtMinD1, a Eubacteria-Type Factor Critical for Chloroplast Division. Plant and Cell Physiology, 2000, 41, 1119-1128.	3.1	57
134	A Carboxy-Terminal 16-Amino-Acid Region of Ï,38 ofEscherichia coli Is Important for Transcription under High-Salt Conditions and Sigma Activities In Vivo. Journal of Bacteriology, 2000, 182, 4628-4631.	2.2	28
135	Characterization of two plastid Ïƒ factors, SigA1 and SigA2, that mainly function in matured chloroplasts in Nicotiana tabacum. Gene, 2000, 261, 221-228.	2.2	40
136	Three new nuclear genes, sigD , sigE and sigF , encoding putative plastid RNA polymerase Ïƒ factors in Arabidopsis thaliana. FEBS Letters, 2000, 481, 47-52.	2.8	88
137	Chloroplast development in Arabidopsis thaliana requires the nuclear-encoded transcription factor Sigma B. FEBS Letters, 2000, 485, 178-182.	2.8	55
138	Plastidic RNA polymerase Â factors in Arabidopsis. Plant and Cell Physiology, 1999, 40, 832-842.	3.1	87
139	Specificity crosstalk among group 1 and group 2 sigma factors in the cyanobacterium Synechococcus sp. PCC7942: in vitro specificity and a phylogenetic analysis. Molecular Microbiology, 1999, 34, 473-484.	2.5	52
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