

# Hideya Fukuzawa

## List of Publications by Year in descending order

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136  
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11,881  
citations

43973

48  
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28224

105  
g-index

143  
all docs

143  
docs citations

143  
times ranked

9738  
citing authors

#	ARTICLE	IF	CITATIONS
1	CO <sub>2</sub> -dependent migration and relocation of LCIB, a pyrenoid-peripheral protein in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2022, 188, 1081-1094.	2.3	14
2	Hyperosmotic stress-induced microtubule disassembly in <i>Chlamydomonas reinhardtii</i> . <i>BMC Plant Biology</i> , 2022, 22, 46.	1.6	0
3	The <i>Chlamydomonas</i> bZIP transcription factor BLZ8 confers oxidative stress tolerance by inducing the carbon-concentrating mechanism. <i>Plant Cell</i> , 2022, 34, 910-926.	3.1	20
4	Protein Kinase MpYAK1 Is Involved in Meristematic Cell Proliferation, Reproductive Phase Change and Nutrient Signaling in the Liverwort <i>Marchantia polymorpha</i> . <i>Plant and Cell Physiology</i> , 2022, 63, 1063-1077.	1.5	1
5	Characterization of a CO <sub>2</sub> -Concentrating Mechanism with Low Sodium Dependency in the Centric Diatom <i>Chaetoceros gracilis</i> . <i>Marine Biotechnology</i> , 2021, 23, 456-462.	1.1	10
6	A plant-specific DYRK kinase DYRKP coordinates cell morphology in <i>Marchantia polymorpha</i> . <i>Journal of Plant Research</i> , 2021, 134, 1265-1277.	1.2	5
7	Raman image-activated cell sorting. <i>Nature Communications</i> , 2020, 11, 3452.	5.8	116
8	Algal Autophagy Is Necessary for the Regulation of Carbon Metabolism Under Nutrient Deficiency. <i>Frontiers in Plant Science</i> , 2020, 11, 36.	1.7	18
9	Pyrenoid Starch Sheath Is Required for LCIB Localization and the CO <sub>2</sub> -Concentrating Mechanism in Green Algae. <i>Plant Physiology</i> , 2020, 182, 1883-1893.	2.3	50
10	Transformation of the Model Microalga <i>Chlamydomonas reinhardtii</i> Without Cell-Wall Removal. <i>Methods in Molecular Biology</i> , 2020, 2050, 155-161.	0.4	5
11	<i>Chlamydomonas reinhardtii</i> tubulin-gene disruptants for efficient isolation of strains bearing tubulin mutations. <i>PLoS ONE</i> , 2020, 15, e0242694.	1.1	7
12	CrABCA2 Facilitates Triacylglycerol Accumulation in under Nitrogen Starvation. <i>Molecules and Cells</i> , 2020, 43, 48-57.	1.0	5
13	Lipid remodeling regulator 1 (LRL1) is differently involved in the phosphorus-depletion response from PSR1 in <i>Chlamydomonas reinhardtii</i> . <i>Plant Journal</i> , 2019, 100, 610-626.	2.8	30
14	A practical guide to intelligent image-activated cell sorting. <i>Nature Protocols</i> , 2019, 14, 2370-2415.	5.5	71
15	Algal Protein Kinase, Triacylglycerol Accumulation Regulator 1, Modulates Cell Viability and Gametogenesis in Carbon/Nitrogen-Imbalanced Conditions. <i>Plant and Cell Physiology</i> , 2019, 60, 916-930.	1.5	15
16	The bZIP1 Transcription Factor Regulates Lipid Remodeling and Contributes to ER Stress Management in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2019, 31, 1127-1140.	3.1	34
17	Inner lumen proteins stabilize doublet microtubules in cilia and flagella. <i>Nature Communications</i> , 2019, 10, 1143.	5.8	110
18	Isolation and Characterization of <i>Chlamydomonas</i> Autophagy-Related Mutants in Nutrient-Deficient Conditions. <i>Plant and Cell Physiology</i> , 2019, 60, 126-138.	1.5	39

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19	High-resolution suborganellar localization of Ca <sup>2+</sup> -binding protein CAS, a novel regulator of CO <sub>2</sub> -concentrating mechanism. <i>Protoplasma</i> , 2018, 255, 1015-1022.	1.0	19
20	Intelligent Image-Activated Cell Sorting. <i>Cell</i> , 2018, 175, 266-276.e13.	13.5	395
21	Dissecting the Process of Activation of Cancer-promoting Zinc-requiring Ectoenzymes by Zinc Metalation Mediated by ZNT Transporters. <i>Journal of Biological Chemistry</i> , 2017, 292, 2159-2173.	1.6	29
22	Insights into Land Plant Evolution Garnered from the <i>Marchantia polymorpha</i> Genome. <i>Cell</i> , 2017, 171, 287-304.e15.	13.5	973
23	CSL encodes a leucine-rich-repeat protein implicated in red/violet light signaling to the circadian clock in <i>Chlamydomonas</i> . <i>PLoS Genetics</i> , 2017, 13, e1006645.	1.5	12
24	Production of ricinoleic acid-containing monoestolide triacylglycerides in an oleaginous diatom, <i>Chaetoceros gracilis</i> . <i>Scientific Reports</i> , 2016, 6, 36809.	1.6	15
25	Chloroplast-mediated regulation of CO <sub>2</sub> -concentrating mechanism by Ca <sup>2+</sup> -binding protein CAS in the green alga <i>Chlamydomonas reinhardtii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12586-12591.	3.3	73
26	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
27	Characterization of cooperative bicarbonate uptake into chloroplast stroma in the green alga <i>Chlamydomonas reinhardtii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7315-7320.	3.3	121
28	Accumulation of Squalene in a Microalga <i>Chlamydomonas reinhardtii</i> by Genetic Modification of Squalene Synthase and Squalene Epoxidase Genes. <i>PLoS ONE</i> , 2015, 10, e0120446.	1.1	53
29	Isolation and characterization of mutants defective in the localization of LCIB, an essential factor for the carbon-concentrating mechanism in <i>Chlamydomonas reinhardtii</i> . <i>Photosynthesis Research</i> , 2014, 121, 193-200.	1.6	20
30	Isolation and characterization of novel high-CO <sub>2</sub> -requiring mutants of <i>Chlamydomonas reinhardtii</i> . <i>Photosynthesis Research</i> , 2014, 121, 175-184.	1.6	27
31	Arachidonic acid-dependent carbon-eight volatile synthesis from wounded liverwort ( <i>Marchantia</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	25
32	Rapid transformation of <i>Chlamydomonas reinhardtii</i> without cell-wall removal. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 691-694.	1.1	131
33	The Uptake of CO <sub>2</sub> by Cyanobacteria and Microalgae. <i>Advances in Photosynthesis and Respiration</i> , 2012, , 625-650.	1.0	14
34	Photosynthetic characteristics of a multicellular green alga <i>Volvox carteri</i> in response to external CO <sub>2</sub> levels possibly regulated by CCM1/CIA5 ortholog. <i>Photosynthesis Research</i> , 2011, 109, 151-159.	1.6	8
35	Transcriptome Analysis of Respiration-Responsive Genes in <i>Chlamydomonas reinhardtii</i> : Mitochondrial Retrograde Signaling Coordinates the Genes for Cell Proliferation with Energy-Producing Metabolism. <i>Plant and Cell Physiology</i> , 2011, 52, 333-343.	1.5	12
36	Light and Low-CO <sub>2</sub> -Dependent LCIB-LCIB Complex Localization in the Chloroplast Supports the Carbon-Concentrating Mechanism in <i>Chlamydomonas reinhardtii</i> . <i>Plant and Cell Physiology</i> , 2010, 51, 1453-1468.	1.5	137

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37	Expression of a Low CO <sub>2</sub> -Inducible Protein, LCI1, Increases Inorganic Carbon Uptake in the Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2010, 22, 3105-3117.	3.1	83
38	CO <sub>2</sub> -concentrating Mechanism and Bioproduction in Microalgae. <i>Trends in the Sciences</i> , 2010, 15, 70-71.	0.0	0
39	The <i>Chlamydomonas</i> Hatching Enzyme, Sporangin, is Expressed in Specific Phases of the Cell Cycle and is Localized to the Flagella of Daughter Cells Within the Sporangial Cell Wall. <i>Plant and Cell Physiology</i> , 2009, 50, 572-583.	1.5	52
40	Carbon-concentrating mechanism in a green alga, <i>Chlamydomonas reinhardtii</i> , revealed by transcriptome analyses. <i>Journal of Basic Microbiology</i> , 2009, 49, 42-51.	1.8	60
41	Cloning and characterization of a squalene synthase gene from a petroleum plant, <i>Euphorbia tirucalli</i> L. <i>Planta</i> , 2009, 229, 1243-1252.	1.6	50
42	Gene content, organization and molecular evolution of plant organellar genomes and sex chromosomes - Insights from the case of the liverwort <i>Marchantia polymorpha</i> . <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2009, 85, 108-124.	1.6	10
43	A carboxysomal carbon-concentrating mechanism in the cyanelles of the "coelacanth" of the algal world, <i>Cyanophora paradoxa</i> ? <i>Physiologia Plantarum</i> , 2008, 133, 27-32.	2.6	36
44	Production of Arachidonic and Eicosapentaenoic Acids in Plants Using Bryophyte Fatty Acid $\Delta^6$ -Desaturase, $\Delta^6$ -Elongase, and $\Delta^5$ -Desaturase Genes. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 435-444.	0.6	50
45	Expression Analysis of Genes Associated with the Induction of the Carbon-Concentrating Mechanism in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2008, 147, 340-354.	2.3	99
46	Characterization of novel genes induced by sexual adhesion and gamete fusion and of their transcriptional regulation in <i>Chlamydomonas reinhardtii</i> . <i>Plant and Cell Physiology</i> , 2008, 49, 981-993.	1.5	19
47	Gene organization of the liverwort Y chromosome reveals distinct sex chromosome evolution in a haploid system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6472-6477.	3.3	125
48	Large-Scale Analysis of Chlorophyll Fluorescence Kinetics in <i>Synechocystis</i> sp. PCC 6803: Identification of the Factors Involved in the Modulation of Photosystem Stoichiometry. <i>Plant and Cell Physiology</i> , 2007, 48, 451-458.	1.5	43
49	Significance of Zinc in a Regulatory Protein, CCM1, Which Regulates the Carbon-Concentrating Mechanism in <i>Chlamydomonas reinhardtii</i> . <i>Plant and Cell Physiology</i> , 2007, 49, 273-283.	1.5	23
50	Acclimation to low [CO <sub>2</sub> ] by an inorganic carbon-concentrating mechanism in <i>Cyanophora paradoxa</i> . <i>Plant, Cell and Environment</i> , 2007, 30, 1422-1435.	2.8	20
51	The <i>Chlamydomonas</i> Genome Reveals the Evolution of Key Animal and Plant Functions. <i>Science</i> , 2007, 318, 245-250.	6.0	2,354
52	Simple and efficient plastid transformation system for the liverwort <i>Marchantia polymorpha</i> L. suspension-culture cells. <i>Transgenic Research</i> , 2007, 16, 41-49.	1.3	47
53	Isolation and functional characterization of fatty acid $\Delta^5$ -elongase gene from the liverwort <i>Marchantia polymorpha</i> L. <i>FEBS Letters</i> , 2006, 580, 149-154.	1.3	20
54	A Front-end Desaturase from <i>Chlamydomonas reinhardtii</i> Produces Pinolenic and Coniferonic Acids by $\Delta^13$ Desaturation in Methylotrophic Yeast and Tobacco. <i>Plant and Cell Physiology</i> , 2006, 47, 64-73.	1.5	45

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55	Induction of a High-CO <sub>2</sub> -Inducible, Periplasmic Protein, H43, and its Application as a High-CO <sub>2</sub> -Responsive Marker for Study of the High-CO <sub>2</sub> -Sensing Mechanism in <i>Chlamydomonas reinhardtii</i> . <i>Plant and Cell Physiology</i> , 2006, 48, 299-309.	1.5	28
56	Cloning and characterization of a cDNA encoding $\beta$ -amyrin synthase from petroleum plant <i>Euphorbia tirucalli</i> L. <i>Phytochemistry</i> , 2005, 66, 1759-1766.	1.4	51
57	Identification of novel clock-controlled genes by cDNA macroarray analysis in <i>Chlamydomonas reinhardtii</i> . <i>Plant Molecular Biology</i> , 2005, 57, 889-906.	2.0	41
58	Synthesis of Rubisco gene products is upregulated by increasing the copy number of <i>rbcL</i> gene in <i>Chlamydomonas</i> chloroplast genome, without increased accumulation of the two Rubisco subunits. <i>Plant Biotechnology</i> , 2005, 22, 145-149.	0.5	3
59	Expressed sequence tags from callus of <i>Euphorbia tirucalli</i> : A resource for genes involved in triterpenoid and sterol biosynthesis. <i>Plant Biotechnology</i> , 2004, 21, 349-353.	0.5	11
60	Plant regeneration from internode explants of <i>Euphorbia tirucalli</i> . <i>Plant Biotechnology</i> , 2004, 21, 397-399.	0.5	11
61	The Novel Myb Transcription Factor LCR1 Regulates the CO <sub>2</sub> -Responsive Gene <i>Cah1</i> , Encoding a Periplasmic Carbonic Anhydrase in <i>Chlamydomonas reinhardtii</i> [W]. <i>Plant Cell</i> , 2004, 16, 1466-1477.	3.1	108
62	Expression Profiling-Based Identification of CO <sub>2</sub> -Responsive Genes Regulated by CCM1 Controlling a Carbon-Concentrating Mechanism in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2004, 135, 1595-1607.	2.3	188
63	Isolation and Characterization of $\Delta^6$ -Desaturase, an ELO-Like Enzyme and $\Delta^5$ -Desaturase from the Liverwort <i>Marchantia polymorpha</i> and Production of Arachidonic and Eicosapentaenoic Acids in the Methylotrophic Yeast <i>Pichia Pastoris</i> . <i>Plant Molecular Biology</i> , 2004, 54, 335-352.	2.0	52
64	A mutant with constitutive sexual organ development in <i>Marchantia polymorpha</i> L.. <i>Sexual Plant Reproduction</i> , 2004, 16, 253-257.	2.2	17
65	The transcriptional program of synchronous gametogenesis in <i>Chlamydomonas reinhardtii</i> . <i>Current Genetics</i> , 2004, 46, 304-315.	0.8	53
66	Comparative analysis of the <i>hspA</i> mutant and wild-type <i>Synechocystis</i> sp. strain PCC 6803 under salt stress: evaluation of the role of <i>hspA</i> in salt-stress management. <i>Archives of Microbiology</i> , 2004, 182, 487-497.	1.0	30
67	Establishment of publicly available cDNA material and information resource of <i>Chlamydomonas reinhardtii</i> (Chlorophyta) to facilitate gene function analysis. <i>Phycologia</i> , 2004, 43, 722-726.	0.6	24
68	Evolution of ribosomal DNA unit on the X chromosome independent of autosomal units in the liverwort <i>Marchantia polymorpha</i> . <i>Chromosome Research</i> , 2003, 11, 695-703.	1.0	19
69	MpFAE3, a $\Delta^2$ -Ketoacyl-CoA Synthase Gene in the Liverwort <i>Marchantia polymorpha</i> L., Is Preferentially Involved in Elongation of Palmitic Acid to Stearic Acid. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 1667-1674.	0.6	17
70	Archaeal-type rhodopsins in <i>Chlamydomonas</i> : model structure and intracellular localization. <i>Biochemical and Biophysical Research Communications</i> , 2003, 301, 711-717.	1.0	145
71	Functional Analysis of a $\Delta^2$ -Ketoacyl-CoA Synthase Gene, MpFAE2, by Gene Silencing in the Liverwort <i>Marchantia polymorpha</i> L.. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 605-612.	0.6	26
72	Identification and Expression Analysis of cDNA Encoding a Chloroplast Recombination Protein REC1, the Chloroplast RecA Homologue in <i>Chlamydomonas reinhardtii</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 2608-2613.	0.6	35

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73	Cis-acting Elements and DNA-Binding Proteins Involved in CO <sub>2</sub> -Responsive Transcriptional Activation of <i>Cah1</i> Encoding a Periplasmic Carbonic Anhydrase in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2003, 133, 783-793.	2.3	47
74	Genes Essential to Sodium-dependent Bicarbonate Transport in Cyanobacteria. <i>Journal of Biological Chemistry</i> , 2002, 277, 18658-18664.	1.6	245
75	Photochemical Properties of the Flavin Mononucleotide-Binding Domains of the Phototropins from Arabidopsis, Rice, and <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2002, 129, 762-773.	2.3	292
76	Multicopy genes uniquely amplified in the Y chromosome-specific repeats of the liverwort <i>Marchantia polymorpha</i> . <i>Nucleic Acids Research</i> , 2002, 30, 4675-4681.	6.5	50
77	Regulation of a carbon concentrating mechanism through CCM1 in <i>Chlamydomonas reinhardtii</i> . <i>Functional Plant Biology</i> , 2002, 29, 211.	1.1	15
78	Two tandemly-located matrix metalloprotease genes with different expression patterns in the <i>Chlamydomonas</i> sexual cell cycle. <i>Current Genetics</i> , 2001, 40, 136-143.	0.8	30
79	The Y chromosome in the liverwort <i>Marchantia polymorpha</i> has accumulated unique repeat sequences harboring a male-specific gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 9454-9459.	3.3	95
80	Distinct constitutive and low-CO <sub>2</sub> -induced CO <sub>2</sub> uptake systems in cyanobacteria: Genes involved and their phylogenetic relationship with homologous genes in other organisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 11789-11794.	3.3	232
81	<i>Ccm1</i> , a regulatory gene controlling the induction of a carbon-concentrating mechanism in <i>Chlamydomonas reinhardtii</i> by sensing CO <sub>2</sub> availability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 5347-5352.	3.3	167
82	Characteristics and Sequence of Phosphoglycolate Phosphatase from a Eukaryotic Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 45573-45579.	1.6	35
83	Isolation of X and Y Chromosome-Specific DNA Markers From a Liverwort, <i>Marchantia polymorpha</i> , by Representational Difference Analysis. <i>Genetics</i> , 2001, 159, 981-985.	1.2	31
84	Construction of male and female PAC genomic libraries suitable for identification of Y-chromosome-specific clones from the liverwort, <i>Marchantia polymorpha</i> . <i>Plant Journal</i> , 2000, 24, 421-428.	2.8	65
85	Direct transformation and plant regeneration of the haploid liverwort <i>Marchantia polymorpha</i> L. <i>Transgenic Research</i> , 2000, 9, 179-185.	1.3	71
86	Comparison of Expressed Sequence Tags from Male and Female Sexual Organs of <i>Marchantia polymorpha</i> . <i>DNA Research</i> , 2000, 7, 165-174.	1.5	20
87	Generation of Expressed Sequence Tags from Low-CO <sub>2</sub> and High-CO <sub>2</sub> Adapted Cells of <i>Chlamydomonas reinhardtii</i> . <i>DNA Research</i> , 2000, 7, 305-307.	1.5	107
88	Algal carbonic anhydrase. , 2000, , 535-546.		4
89	Expressed Sequence Tags from Immature Female Sexual Organ of a Liverwort, <i>Marchantia polymorpha</i> . <i>DNA Research</i> , 1999, 6, 1-11.	1.5	32
90	CO <sub>2</sub> -Responsive Transcriptional Regulation of <i>CAH1</i> Encoding Carbonic Anhydrase Is Mediated by Enhancer and Silencer Regions in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 1999, 121, 1329-1337.	2.3	49

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91	A Large Scale Structural Analysis of cDNAs in a Unicellular Green Alga, <i>Chlamydomonas reinhardtii</i> . I. Generation of 3433 Non-redundant Expressed Sequence Tags. <i>DNA Research</i> , 1999, 6, 369-373.	1.5	152
92	Bryophyte 5S rDNA was inserted into 45S rDNA repeat units after the divergence from higher land plants. <i>Plant Molecular Biology</i> , 1999, 41, 679-685.	2.0	84
93	Two mRNA Species Encoding Calcium-Dependent Protein Kinases Are Differentially Expressed in Sexual Organs of <i>Marchantia polymorpha</i> through Alternative Splicing. <i>Plant and Cell Physiology</i> , 1999, 40, 205-212.	1.5	32
94	Isolation and characterization of high-CO <sub>2</sub> requiring mutants from <i>Chlamydomonas reinhardtii</i> by gene tagging. <i>Canadian Journal of Botany</i> , 1998, 76, 1092-1097.	1.2	11
95	Coexistence of nuclear DNA-encoded tRNA <sup>Val</sup> (AAC) and mitochondrial DNA- encoded tRNA <sup>Val</sup> (UAC) in mitochondria of a liverwort <i>Marchantia polymorpha</i> . <i>Nucleic Acids Research</i> , 1998, 26, 2168-2172.	6.5	28
96	Isolation and characterization of high-CO <sub>2</sub> requiring mutants from <i>Chlamydomonas reinhardtii</i> by gene tagging. <i>Canadian Journal of Botany</i> , 1998, 76, 1092-1097.	1.2	16
97	Accumulation of nuclear-encoded tRNA <sup>Thr</sup> (AGU) in mitochondria of the liverwort <i>Marchantia polymorpha</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1997, 1350, 262-266.	2.4	13
98	Interorganellar gene transfer in bryophytes: the functional. <i>Molecular Genetics and Genomics</i> , 1997, 256, 589.	2.4	3
99	cemA homologue essential to CO <sub>2</sub> transport in the cyanobacterium <i>Synechocystis PCC6803</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 4006-4010.	3.3	44
100	Occurrence of nuclear-encoded tRNA <sup>Ile</sup> in mitochondria of the liverwort <i>Marchantia polymorpha</i> . <i>Current Genetics</i> , 1996, 30, 181-185.	0.8	25
101	Function and Gene Expression of Carbonic Anhydrase in Carbon Dioxide Fixation.. <i>Nippon Nogeikagaku Kaishi</i> , 1995, 69, 307-313.	0.0	0
102	Active transcription of the pseudogene for subunit 7 of the NADH dehydrogenase in <i>Marchantia polymorpha</i> mitochondria. <i>Molecular Genetics and Genomics</i> , 1995, 247, 565-570.	2.4	9
103	Understanding and utilization of inorganic carbon concentrating mechanism to improve plant CO <sub>2</sub> fixation. <i>Energy Conversion and Management</i> , 1995, 36, 747-750.	4.4	0
104	Molecular dissection of GT-1 from <i>Arabidopsis</i> .. <i>Plant Cell</i> , 1994, 6, 1805-1813.	3.1	62
105	Cotranscriptional expression of mitochondrial genes for subunits of NADH dehydrogenase, nad5, nad4, nad2, in <i>Marchantia polymorpha</i> . <i>Molecular Genetics and Genomics</i> , 1993, 237, 343-350.	2.4	10
106	Primary structure and expression of a gamete lytic enzyme in <i>Chlamydomonas reinhardtii</i> : similarity of functional domains to matrix metalloproteases.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 4693-4697.	3.3	107
107	A gene homologous to chloroplast carbonic anhydrase (icfA) is essential to photosynthetic carbon dioxide fixation by <i>Synechococcus PCC7942</i> .. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 4437-4441.	3.3	203
108	Characterization of Carbonic Anhydrase Isozyme CA2, Which Is the CAH2 Gene Product, in <i>Chlamydomonas reinhardtii</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 1992, 56, 794-798.	0.6	29

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109	Cloning and Nucleotide Sequence of <i>afx</i> C-ORF469 Gene Cluster of <i>Synechocystis</i> PCC6803: Conservation with Liverwort Chloroplast <i>frx</i> C-ORF465 and <i>nif</i> Operon. <i>Bioscience, Biotechnology and Biochemistry</i> , 1992, 56, 788-793.	0.6	24
110	Identification of Carbonic Anhydrase Gene Which is Essential to the Inorganic Carbon Concentrating Mechanism in Cyanobacteria. , 1992, , 799-802.		1
111	cDNA cloning and gene expression of carbonic anhydrase in <i>Chlamydomonas reinhardtii</i> . <i>Canadian Journal of Botany</i> , 1991, 69, 1088-1096.	1.2	12
112	Identification of a genomic region that complements a temperature-sensitive, high CO <sub>2</sub> -requiring mutant of the cyanobacterium, <i>Synechococcus</i> sp. PCC7942. <i>Molecular Genetics and Genomics</i> , 1991, 226, 401-408.	2.4	19
113	Structure and differential expression of two genes encoding carbonic anhydrase in <i>Chlamydomonas reinhardtii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 9779-9783.	3.3	138
114	Subunit constitution of carbonic anhydrase from <i>Chlamydomonas reinhardtii</i> . <i>FEBS Journal</i> , 1990, 192, 557-562.	0.2	54
115	cDNA cloning, sequence, and expression of carbonic anhydrase in <i>Chlamydomonas reinhardtii</i> : regulation by environmental CO <sub>2</sub> concentration.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 4383-4387.	3.3	195
116	Light-Induced Carbonic Anhydrase Expression in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 1990, 94, 1103-1110.	2.3	71
117	Nucleotide sequences of two genes CAH1 and CAH2 which encode carbonic anhydrase polypeptides in <i>Chlamydomonas reinhardtii</i> . <i>Nucleic Acids Research</i> , 1990, 18, 6441-6442.	6.5	40
118	Gene organization and newly identified groups of genes of the chloroplast genome from a liverwort, <i>Marchantia polymorpha</i> . <i>Photosynthesis Research</i> , 1988, 16, 7-22.	1.6	20
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123	Gene organization and newly identified groups of genes of the chloroplast genome from a liverwort, <i>Marchantia polymorpha</i> . , 1988, , 27-42.		0
124	Splicing of group II introns in mRNAs coding for cytochrome b 6 and subunit IV in the liverwort <i>Marchantia polymorpha</i> chloroplast genome Exon specifying a region coding for two genes with the spacer region. <i>FEBS Letters</i> , 1987, 220, 61-66.	1.3	17
125	Genetic System of Chloroplasts. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1987, 52, 791-804.	2.0	31
126	Coding sequences for chloroplast ribosomal protein S12 from the liverwort, <i>Marchantia polymorpha</i> , are separated far apart on the different DNA strands. <i>FEBS Letters</i> , 1986, 198, 11-15.	1.3	73



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127	Chloroplast gene organization deduced from complete sequence of liverwort <i>Marchantia polymorpha</i> chloroplast DNA. <i>Nature</i> , 1986, 322, 572-574.	13.7	1,552
128	Complete nucleotide sequence of liverwort <i>Marchantia polymorpha</i> chloroplast DNA. <i>Plant Molecular Biology Reporter</i> , 1986, 4, 149-175.	1.0	46
129	Molecular cloning of promoters functional in <i>Escherichia coli</i> from chloroplast DNA of a liverwort, <i>Marchantia polymorpha</i> .. <i>Agricultural and Biological Chemistry</i> , 1985, 49, 2725-2731.	0.3	4
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