

Takayuki Kohchi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

131
papers

7,760
citations

42
h-index

86
g-index

151
ext. papers

10,103
ext. citations

6.9
avg, IF

5.64
L-index

#	Paper	IF	Citations
131	Diminished Auxin Signaling Triggers Cellular Reprogramming by Inducing a Regeneration Factor in the Liverwort <i>Marchantia polymorpha</i> . <i>Plant and Cell Physiology</i> , 2022 ,	4.9	1
130	Improved clearing method contributes to deep imaging of plant organs.. <i>Communications Biology</i> , 2022 , 5, 12	6.7	1
129	A glycogen synthase kinase 3-like kinase MpGSK regulates cell differentiation in <i>Marchantia polymorpha</i> . <i>Plant Biotechnology</i> , 2022 , 39, 65-72	1.3	1
128	Migration of prospindle before the first asymmetric division in germinating spore of <i>Marchantia polymorpha</i> . <i>Plant Biotechnology</i> , 2022 , 39, 5-12	1.3	1
127	Identification of the sex-determining factor in the liverwort <i>Marchantia polymorpha</i> reveals unique evolution of sex chromosomes in a haploid system. <i>Current Biology</i> , 2021 ,	6.3	5
126	Major components of the KARRIKIN INSENSITIVE2-dependent signaling pathway are conserved in the liverwort <i>Marchantia polymorpha</i> . <i>Plant Cell</i> , 2021 , 33, 2395-2411	11.6	5
125	Development and Molecular Genetics of. <i>Annual Review of Plant Biology</i> , 2021 , 72, 677-702	30.7	11
124	Auxin Biology in Bryophyta: A Simple Platform with Versatile Functions. <i>Cold Spring Harbor Perspectives in Biology</i> , 2021 , 13,	10.2	4
123	Fungal-Type Terpene Synthases in <i>Marchantia polymorpha</i> Are Involved in Sesquiterpene Biosynthesis in Oil Body Cells. <i>Plant and Cell Physiology</i> , 2021 , 62, 528-537	4.9	1
122	Coordination between growth and stress responses by DELLA in the liverwort <i>Marchantia polymorpha</i> . <i>Current Biology</i> , 2021 , 31, 3678-3686.e11	6.3	4
121	Deep evolutionary origin of gamete-directed zygote activation by KNOX/BELL transcription factors in green plants. <i>ELife</i> , 2021 , 10,	8.9	2
120	A plant-specific DYRK kinase DYRKP coordinates cell morphology in <i>Marchantia polymorpha</i> . <i>Journal of Plant Research</i> , 2021 , 134, 1265-1277	2.6	1
119	Plastid Transformation of Sporelings from the Liverwort <i>Marchantia polymorpha</i> L. <i>Methods in Molecular Biology</i> , 2021 , 2317, 333-341	1.4	
118	Design principles of a minimal auxin response system. <i>Nature Plants</i> , 2020 , 6, 473-482	11.5	30
117	Positional cues regulate dorsal organ formation in the liverwort <i>Marchantia polymorpha</i> . <i>Journal of Plant Research</i> , 2020 , 133, 311-321	2.6	8
116	Chromatin Organization in Early Land Plants Reveals an Ancestral Association between H3K27me3, Transposons, and Constitutive Heterochromatin. <i>Current Biology</i> , 2020 , 30, 573-588.e7	6.3	72
115	Regulation of the Poly(A) Status of Mitochondrial mRNA by Poly(A)-Specific Ribonuclease Is Conserved among Land Plants. <i>Plant and Cell Physiology</i> , 2020 , 61, 470-480	4.9	4

114	Regulation of Photosynthetic Carbohydrate Metabolism by a Raf-Like Kinase in the Liverwort <i>Marchantia polymorpha</i> . <i>Plant and Cell Physiology</i> , 2020 , 61, 631-643	4.9	2
113	Induction of Multichotomous Branching by CLAVATA Peptide in <i>Marchantia polymorpha</i> . <i>Current Biology</i> , 2020 , 30, 3833-3840.e4	6.3	21
112	The liverwort oil body is formed by redirection of the secretory pathway. <i>Nature Communications</i> , 2020 , 11, 6152	17.4	12
111	Cytokinin signaling coordinates development of diverse organs in. <i>Plant Signaling and Behavior</i> , 2019 , 14, 1668232	2.5	3
110	An Early Arising Role of the MicroRNA156/529-SPL Module in Reproductive Development Revealed by the Liverwort <i>Marchantia polymorpha</i> . <i>Current Biology</i> , 2019 , 29, 3307-3314.e5	6.3	12
109	A Single JAZ Repressor Controls the Jasmonate Pathway in <i>Marchantia polymorpha</i> . <i>Molecular Plant</i> , 2019 , 12, 185-198	14.4	55
108	Observation of Phototropic Responses in the Liverwort <i>Marchantia polymorpha</i> . <i>Methods in Molecular Biology</i> , 2019 , 1924, 53-61	1.4	
107	Cytokinin Signaling Is Essential for Organ Formation in <i>Marchantia polymorpha</i> . <i>Plant and Cell Physiology</i> , 2019 , 60, 1842-1854	4.9	19
106	Physiological function of photoreceptor UVR8 in UV-B tolerance in the liverwort <i>Marchantia polymorpha</i> . <i>Planta</i> , 2019 , 249, 1349-1364	4.7	10
105	Control of proliferation in the haploid meristem by CLE peptide signaling in <i>Marchantia polymorpha</i> . <i>PLoS Genetics</i> , 2019 , 15, e1007997	6	27
104	Reproductive Induction is a Far-Red High Irradiance Response that is Mediated by Phytochrome and PHYTOCHROME INTERACTING FACTOR in <i>Marchantia polymorpha</i> . <i>Plant and Cell Physiology</i> , 2019 , 60, 1136-1145	4.9	18
103	Phytochrome and Light Signaling in <i>Marchantia</i> . <i>Methods in Molecular Biology</i> , 2019 , 2026, 215-223	1.4	1
102	Building new insights in plant gametogenesis from an evolutionary perspective. <i>Nature Plants</i> , 2019 , 5, 663-669	11.5	23
101	The RopGEF KARAPPO Is Essential for the Initiation of Vegetative Reproduction in <i>Marchantia polymorpha</i> . <i>Current Biology</i> , 2019 , 29, 3525-3531.e7	6.3	9
100	GEMMA CUP-ASSOCIATED MYB1, an Ortholog of Axillary Meristem Regulators, Is Essential in Vegetative Reproduction in <i>Marchantia polymorpha</i> . <i>Current Biology</i> , 2019 , 29, 3987-3995.e5	6.3	14
99	A conserved regulatory mechanism mediates the convergent evolution of plant shoot lateral organs. <i>PLoS Biology</i> , 2019 , 17, e3000560	9.7	17
98	A -acting bidirectional transcription switch controls sexual dimorphism in the liverwort. <i>EMBO Journal</i> , 2019 , 38,	13	29
97	A conserved regulatory mechanism mediates the convergent evolution of plant shoot lateral organs 2019 , 17, e3000560		

96	A conserved regulatory mechanism mediates the convergent evolution of plant shoot lateral organs 2019 , 17, e3000560		
95	A conserved regulatory mechanism mediates the convergent evolution of plant shoot lateral organs 2019 , 17, e3000560		
94	A conserved regulatory mechanism mediates the convergent evolution of plant shoot lateral organs 2019 , 17, e3000560		
93	A conserved regulatory mechanism mediates the convergent evolution of plant shoot lateral organs 2019 , 17, e3000560		
92	A conserved regulatory mechanism mediates the convergent evolution of plant shoot lateral organs 2019 , 17, e3000560		
91	Ligand-receptor co-evolution shaped the jasmonate pathway in land plants. <i>Nature Chemical Biology</i> , 2018 , 14, 480-488	11.7	105
90	Generative Cell Specification Requires Transcription Factors Evolutionarily Conserved in Land Plants. <i>Current Biology</i> , 2018 , 28, 479-486.e5	6.3	31
89	An evolutionarily conserved NIMA-related kinase directs rhizoid tip growth in the basal land plant. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	15
88	Cryopreservation of <i>Marchantia polymorpha</i> spermatozoa. <i>Journal of Plant Research</i> , 2018 , 131, 1047-1054	2.4	5
87	Loss of CG Methylation in <i>Marchantia polymorpha</i> Causes Disorganization of Cell Division and Reveals Unique DNA Methylation Regulatory Mechanisms of Non-CG Methylation. <i>Plant and Cell Physiology</i> , 2018 , 59, 2421-2431	4.9	11
86	ANGUSTIFOLIA contributes to the regulation of three-dimensional morphogenesis in the liverwort. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	11
85	Evolution of nuclear auxin signaling: lessons from genetic studies with basal land plants. <i>Journal of Experimental Botany</i> , 2018 , 69, 291-301	7	33
84	An Evolutionarily Conserved Abscisic Acid Signaling Pathway Regulates Dormancy in the Liverwort <i>Marchantia polymorpha</i> . <i>Current Biology</i> , 2018 , 28, 3691-3699.e3	6.3	38
83	Transcription factor DUO1 generated by neo-functionalization is associated with evolution of sperm differentiation in plants. <i>Nature Communications</i> , 2018 , 9, 5283	17.4	28
82	Novel gateway binary vectors for rapid tripartite DNA assembly and promoter analysis with various reporters and tags in the liverwort <i>Marchantia polymorpha</i> . <i>PLoS ONE</i> , 2018 , 13, e0204964	3.7	8
81	Efficient CRISPR/Cas9-based genome editing and its application to conditional genetic analysis in <i>Marchantia polymorpha</i> . <i>PLoS ONE</i> , 2018 , 13, e0205117	3.7	75
80	Identification and Biochemical Characterization of the Serine Biosynthetic Enzyme 3-Phosphoglycerate Dehydrogenase in. <i>Frontiers in Plant Science</i> , 2018 , 9, 956	6.2	6
79	Biosynthesis of riccionidins and marchantins is regulated by R2R3-MYB transcription factors in <i>Marchantia polymorpha</i> . <i>Journal of Plant Research</i> , 2018 , 131, 849-864	2.6	22

78	Evolutionary origin of phytochrome responses and signaling in land plants. <i>Plant, Cell and Environment</i> , 2017 , 40, 2502-2508	8.4	17
77	Occurrence of brassinosteroids in non-flowering land plants, liverwort, moss, lycophyte and fern. <i>Phytochemistry</i> , 2017 , 136, 46-55	4	29
76	Early evolution of the land plant circadian clock. <i>New Phytologist</i> , 2017 , 216, 576-590	9.8	48
75	Dynamic reorganization of the endomembrane system during spermatogenesis in <i>Marchantia polymorpha</i> . <i>Journal of Plant Research</i> , 2017 , 130, 433-441	2.6	7
74	Insights into Land Plant Evolution Garnered from the <i>Marchantia polymorpha</i> Genome. <i>Cell</i> , 2017 , 171, 287-304.e15	56.2	538
73	Efficient synthesis of phycocyanobilin in mammalian cells for optogenetic control of cell signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 11962-11967	11.5	56
72	The Roles of the Sole Activator-Type Auxin Response Factor in Pattern Formation of <i>Marchantia polymorpha</i> . <i>Plant and Cell Physiology</i> , 2017 , 58, 1642-1651	4.9	31
71	DRP3 and ELM1 are required for mitochondrial fission in the liverwort <i>Marchantia polymorpha</i> . <i>Scientific Reports</i> , 2017 , 7, 4600	4.9	9
70	Molecular Genetic Tools and Techniques for <i>Marchantia polymorpha</i> Research. <i>Plant and Cell Physiology</i> , 2016 , 57, 262-70	4.9	112
69	SNARE Molecules in <i>Marchantia polymorpha</i> : Unique and Conserved Features of the Membrane Fusion Machinery. <i>Plant and Cell Physiology</i> , 2016 , 57, 307-24	4.9	46
68	Conditional Gene Expression/Deletion Systems for <i>Marchantia polymorpha</i> Using its Own Heat-Shock Promoter and Cre/loxP-Mediated Site-Specific Recombination. <i>Plant and Cell Physiology</i> , 2016 , 57, 271-80	4.9	33
67	RPT2/NCH1 subfamily of NPH3-like proteins is essential for the chloroplast accumulation response in land plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 10424-9	11.5	25
66	Phytochrome Signaling Is Mediated by PHYTOCHROME INTERACTING FACTOR in the Liverwort <i>Marchantia polymorpha</i> . <i>Plant Cell</i> , 2016 , 28, 1406-21	11.6	47
65	An Evolutionarily Conserved Plant RKD Factor Controls Germ Cell Differentiation. <i>Current Biology</i> , 2016 , 26, 1775-1781	6.3	58
64	The Naming of Names: Guidelines for Gene Nomenclature in <i>Marchantia</i> . <i>Plant and Cell Physiology</i> , 2016 , 57, 257-61	4.9	38
63	Cryopreservation of Gemmae from the Liverwort <i>Marchantia polymorpha</i> L. <i>Plant and Cell Physiology</i> , 2016 , 57, 300-6	4.9	18
62	Identification of miRNAs and Their Targets in the Liverwort <i>Marchantia polymorpha</i> by Integrating RNA-Seq and Degradome Analyses. <i>Plant and Cell Physiology</i> , 2016 , 57, 339-58	4.9	36
61	RSL Class I Genes Controlled the Development of Epidermal Structures in the Common Ancestor of Land Plants. <i>Current Biology</i> , 2016 , 26, 93-9	6.3	64

60	Transcriptional Framework of Male Gametogenesis in the Liverwort <i>Marchantia polymorpha</i> L. <i>Plant and Cell Physiology</i> , 2016 , 57, 325-38	4.9	37
59	<i>Marchantia</i> . <i>Current Biology</i> , 2016 , 26, R186-7	6.3	13
58	Profiling and Characterization of Small RNAs in the Liverwort, <i>Marchantia polymorpha</i> , Belonging to the First Diverged Land Plants. <i>Plant and Cell Physiology</i> , 2016 , 57, 359-72	4.9	33
57	Abscisic acid-induced gene expression in the liverwort <i>Marchantia polymorpha</i> is mediated by evolutionarily conserved promoter elements. <i>Physiologia Plantarum</i> , 2016 , 156, 407-20	4.6	16
56	An adenylyl cyclase with a phosphodiesterase domain in basal plants with a motile sperm system. <i>Scientific Reports</i> , 2016 , 6, 39232	4.9	24
55	Biochemical characterization of allene oxide synthases from the liverwort <i>Marchantia polymorpha</i> and green microalgae <i>Klebsormidium flaccidum</i> provides insight into the evolutionary divergence of the plant CYP74 family. <i>Planta</i> , 2015 , 242, 1175-86	4.7	38
54	Abscisic acid induces biosynthesis of bisbibenzyls and tolerance to UV-C in the liverwort <i>Marchantia polymorpha</i> . <i>Phytochemistry</i> , 2015 , 117, 547-553	4	14
53	Auxin-Mediated Transcriptional System with a Minimal Set of Components Is Critical for Morphogenesis through the Life Cycle in <i>Marchantia polymorpha</i> . <i>PLoS Genetics</i> , 2015 , 11, e1005084	6	93
52	Phytochrome-mediated regulation of cell division and growth during regeneration and sporeling development in the liverwort <i>Marchantia polymorpha</i> . <i>Journal of Plant Research</i> , 2015 , 128, 407-21	2.6	37
51	Stomatal guard cells co-opted an ancient ABA-dependent desiccation survival system to regulate stomatal closure. <i>Current Biology</i> , 2015 , 25, 928-35	6.3	113
50	Eukaryotic Components Remodeled Chloroplast Nucleoid Organization during the Green Plant Evolution. <i>Genome Biology and Evolution</i> , 2015 , 8, 1-16	3.9	19
49	Functional analysis of allene oxide cyclase, MpAOC, in the liverwort <i>Marchantia polymorpha</i> . <i>Phytochemistry</i> , 2015 , 116, 48-56	4	47
48	Auxin Produced by the Indole-3-Pyruvic Acid Pathway Regulates Development and Gemmae Dormancy in the Liverwort <i>Marchantia polymorpha</i> . <i>Plant Cell</i> , 2015 , 27, 1650-69	11.6	71
47	Development of Gateway Binary Vector Series with Four Different Selection Markers for the Liverwort <i>Marchantia polymorpha</i> . <i>PLoS ONE</i> , 2015 , 10, e0138876	3.7	122
46	Co-option of a photoperiodic growth-phase transition system during land plant evolution. <i>Nature Communications</i> , 2014 , 5, 3668	17.4	62
45	CRISPR/Cas9-mediated targeted mutagenesis in the liverwort <i>Marchantia polymorpha</i> L. <i>Plant and Cell Physiology</i> , 2014 , 55, 475-81	4.9	179
44	FAMA is an essential component for the differentiation of two distinct cell types, myrosin cells and guard cells, in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014 , 26, 4039-52	11.6	31
43	Comparison of the MpEF1 and CaMV35 promoters for application in <i>Marchantia polymorpha</i> overexpression studies. <i>Transgenic Research</i> , 2014 , 23, 235-44	3.3	63

42	Phototropin encoded by a single-copy gene mediates chloroplast photorelocation movements in the liverwort <i>Marchantia polymorpha</i> . <i>Plant Physiology</i> , 2014 , 166, 411-27	6.6	48
41	Plastid transformation of sporelings and suspension-cultured cells from the liverwort <i>Marchantia polymorpha</i> L. <i>Methods in Molecular Biology</i> , 2014 , 1132, 439-47	1.4	12
40	Cold-induced organelle relocation in the liverwort <i>Marchantia polymorpha</i> L. <i>Plant, Cell and Environment</i> , 2013 , 36, 1520-8	8.4	36
39	Evolutionary insights into photoregulation of the cell cycle in the green lineage. <i>Current Opinion in Plant Biology</i> , 2013 , 16, 630-7	9.9	12
38	Essential role of the E3 ubiquitin ligase nopperabo1 in schizogenous intercellular space formation in the liverwort <i>Marchantia polymorpha</i> . <i>Plant Cell</i> , 2013 , 25, 4075-84	11.6	38
37	Efficient <i>Agrobacterium</i> -mediated transformation of the liverwort <i>Marchantia polymorpha</i> using regenerating thalli. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013 , 77, 167-72	2.1	137
36	Characterization of four nuclear-encoded plastid RNA polymerase sigma factor genes in the liverwort <i>Marchantia polymorpha</i> : blue-light- and multiple stress-responsive SIG5 was acquired early in the emergence of terrestrial plants. <i>Plant and Cell Physiology</i> , 2013 , 54, 1736-48	4.9	23
35	Homologous recombination-mediated gene targeting in the liverwort <i>Marchantia polymorpha</i> L. <i>Scientific Reports</i> , 2013 , 3, 1532	4.9	94
34	Subfunctionalization of sigma factors during the evolution of land plants based on mutant analysis of liverwort (<i>Marchantia polymorpha</i> L.) MpSIG1. <i>Genome Biology and Evolution</i> , 2013 , 5, 1836-48	3.9	14
33	Composition and physiological function of the chloroplast NADH dehydrogenase-like complex in <i>Marchantia polymorpha</i> . <i>Plant Journal</i> , 2012 , 72, 683-93	6.9	70
32	The phytochrome-interacting vascular plant one-zinc finger1 and VOZ2 redundantly regulate flowering in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012 , 24, 3248-63	11.6	56
31	Visualization of auxin-mediated transcriptional activation using a common auxin-responsive reporter system in the liverwort <i>Marchantia polymorpha</i> . <i>Journal of Plant Research</i> , 2012 , 125, 643-51	2.6	53
30	Characterization of the plasma membrane H ⁺ -ATPase in the liverwort <i>Marchantia polymorpha</i> . <i>Plant Physiology</i> , 2012 , 159, 826-34	6.6	28
29	Evolutionarily conserved regulatory mechanisms of abscisic acid signaling in land plants: characterization of ABSCISIC ACID INSENSITIVE1-like type 2C protein phosphatase in the liverwort <i>Marchantia polymorpha</i> . <i>Plant Physiology</i> , 2010 , 152, 1529-43	6.6	85
28	Application of Lifeact reveals F-actin dynamics in <i>Arabidopsis thaliana</i> and the liverwort, <i>Marchantia polymorpha</i> . <i>Plant and Cell Physiology</i> , 2009 , 50, 1041-8	4.9	114
27	Characterization of the photoactive GAF domain of the CikA homolog (SyCikA, Slr1969) of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 1253-9 ^{4.2}		46
26	Production of arachidonic and eicosapentaenoic acids in plants using bryophyte fatty acid Delta6-desaturase, Delta6-elongase, and Delta5-desaturase genes. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008 , 72, 435-44	2.1	42
25	<i>Agrobacterium</i> -mediated transformation of the haploid liverwort <i>Marchantia polymorpha</i> L., an emerging model for plant biology. <i>Plant and Cell Physiology</i> , 2008 , 49, 1084-91	4.9	209

24	Direct transformation of the liverwort <i>Marchantia polymorpha</i> L. by particle bombardment using immature thalli developing from spores. <i>Plant Cell Reports</i> , 2008 , 27, 1467-73	5.1	76
23	Simple and efficient plastid transformation system for the liverwort <i>Marchantia polymorpha</i> L. suspension-culture cells. <i>Transgenic Research</i> , 2007 , 16, 41-9	3.3	41
22	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, 6472-7	11.5	107
21	Cyanobacteriochrome TePixJ of <i>Thermosynechococcus elongatus</i> harbors phycoviolobin as a chromophore. <i>Plant and Cell Physiology</i> , 2007 , 48, 1385-90	4.9	84
20	Isolation and functional characterization of fatty acid delta5-elongase gene from the liverwort <i>Marchantia polymorpha</i> L. <i>FEBS Letters</i> , 2006 , 580, 149-54	3.8	17
19	Metabolic engineering to produce phytochromes with phytochromobilin, phycocyanobilin, or phycoerythrobilin chromophore in <i>Escherichia coli</i> . <i>FEBS Letters</i> , 2006 , 580, 1333-8	3.8	87
18	The molecular basis of heme oxygenase deficiency in the <i>pcd1</i> mutant of pea. <i>FEBS Journal</i> , 2006 , 273, 2594-606	5.7	31
17	The tomato photomorphogenetic mutant, <i>aurea</i> , is deficient in phytochromobilin synthase for phytochrome chromophore biosynthesis. <i>Plant and Cell Physiology</i> , 2005 , 46, 661-5	4.9	27
16	Biosynthesis of chromophores for phytochrome and related photoreceptors. <i>Plant Biotechnology</i> , 2005 , 22, 409-413	1.3	7
15	The <i>Elm1</i> (<i>ZmHy2</i>) gene of maize encodes a phytochromobilin synthase. <i>Plant Physiology</i> , 2004 , 136, 2771-81	6.6	27
14	Complementation of phytochrome chromophore-deficient <i>Arabidopsis</i> by expression of phycocyanobilin:ferredoxin oxidoreductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 1099-104	11.5	28
13	<i>Arabidopsis</i> ZIM, a plant-specific GATA factor, can function as a transcriptional activator. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003 , 67, 2495-7	2.1	22
12	An <i>Arabidopsis</i> MADS-box protein, AGL24, is specifically bound to and phosphorylated by meristematic receptor-like kinase (MRLK). <i>Plant and Cell Physiology</i> , 2003 , 44, 735-42	4.9	33
11	Expression and biochemical properties of a ferredoxin-dependent heme oxygenase required for phytochrome chromophore synthesis. <i>Plant Physiology</i> , 2002 , 130, 1958-66	6.6	136
10	The <i>Arabidopsis</i> HY2 gene encodes phytochromobilin synthase, a ferredoxin-dependent biliverdin reductase. <i>Plant Cell</i> , 2001 , 13, 425-36	11.6	209
9	Functional genomic analysis of the HY2 family of ferredoxin-dependent bilin reductases from oxygenic photosynthetic organisms. <i>Plant Cell</i> , 2001 , 13, 965-78	11.6	209
8	The <i>Arabidopsis</i> photomorphogenetic mutant <i>hy1</i> is deficient in phytochrome chromophore biosynthesis as a result of a mutation in a plastid heme oxygenase. <i>Plant Cell</i> , 1999 , 11, 335-48	11.6	284
7	Gene organization deduced from the complete sequence of liverwort <i>Marchantia polymorpha</i> mitochondrial DNA. A primitive form of plant mitochondrial genome. <i>Journal of Molecular Biology</i> , 1992 , 223, 1-7	6.5	545

6	Structure and organization of <i>Marchantia polymorpha</i> chloroplast genome. IV. Inverted repeat and small single copy regions. <i>Journal of Molecular Biology</i> , 1988 , 203, 353-72	6.5	77
5	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	3.8	17
4	Chloroplast gene organization deduced from complete sequence of liverwort <i>Marchantia polymorpha</i> chloroplast DNA. <i>Nature</i> , 1986 , 322, 572-574	50.4	1430
3	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	3.8	66
2	Deep evolutionary origin of gamete-directed zygote activation by KNOX/BELL transcription factors in green plants		3
1	Efficient CRISPR/Cas9-based genome editing and its application to conditional genetic analysis in <i>Marchantia polymorpha</i>		6