Maureen R Hanson

List of Publications by Year
in descending order

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196 papers	13,573 citations	18465 62 h-index	25770 108 g-index
202 all docs	202 docs citations	202 times ranked	10297 citing authors

#	Article	IF	Citations
1	Redesigning photosynthesis to sustainably meet global food and bioenergy demand. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8529-8536.	3.3	751
2	Interactions of Mitochondrial and Nuclear Genes That Affect Male Gametophyte Development. Plant Cell, 2004, 16, S154-S169.	3.1	742
3	Exchange of Protein Molecules Through Connections Between Higher Plant Plastids. Science, 1997, 276, 2039-2042.	6.0	554
4	A pentatricopeptide repeat-containing gene restores fertility to cytoplasmic male-sterile plants. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10887-10892.	3.3	447
5	Plant Mitochondrial Mutations and Male Sterility. Annual Review of Genetics, 1991, 25, 461-486.	3.2	404
6	Chloroplast RNA Metabolism. Annual Review of Plant Biology, 2010, 61, 125-155.	8.6	401
7	A faster Rubisco with potential to increase photosynthesis in crops. Nature, 2014, 513, 547-550.	13.7	379
8	A fused mitochondrial gene associated with cytoplasmic male sterility is developmentally regulated. Cell, 1987, 50, 41-49.	13.5	336
9	Mobilization of Rubisco and Stroma-Localized Fluorescent Proteins of Chloroplasts to the Vacuole by anATGGene-Dependent Autophagic Process Â. Plant Physiology, 2008, 148, 142-155.	2.3	325
10	Reduced diversity and altered composition of the gut microbiome in individuals with myalgic encephalomyelitis/chronic fatigue syndrome. Microbiome, 2016, 4, 30.	4.9	263
11	The green fluorescent protein as a marker to visualize plant mitochondria in vivo. Plant Journal, 1997, 11, 613-621.	2.8	245
12	RIP1, a member of an Arabidopsis protein family, interacts with the protein RARE1 and broadly affects RNA editing. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1453-61.	3.3	198
13	GFP imaging: methodology and application to investigate cellular compartmentation in plants. Journal of Experimental Botany, 2001, 52, 529-539.	2.4	180
14	Functioning and Variation of Cytoplasmic Genomes: Lessons from Cytoplasmicâ€“Nuclear Interactions Affecting Male Fertility in Plants. International Review of Cytology, 1985, 94, 213-267.	6.2	177
15	Comprehensive High-Resolution Analysis of the Role of an Arabidopsis Gene Family in RNA Editing. PLoS Genetics, 2013, 9, e1003584.	1.5	168
16	Programmed Cell Death during Pollination-Induced Petal Senescence in Petunia. Plant Physiology, 2000, 122, 1323-1334.	2.3	160
17	The Unexpected Diversity of Plant Organelle RNA Editosomes. Trends in Plant Science, 2016, 21, 962-973.	4.3	151
18	The Arabidopsis AtRaptor genes are essential for post-embryonic plant growth. BMC Biology, 2005, 3, 12.	1.7	150

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19	Identification of a mitochondrial protein associated with cytoplasmic male sterility in petunia.. Plant Cell, 1989, 1, 1121-1130.	3.1	132
20	An RNA recognition motif-containing protein is required for plastid RNA editing in Arabidopsis and maize. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1169-78.	3.3	131
21	Î²â€Carboxysomal proteins assemble into highly organized structures in Nicotiana chloroplasts. Plant Journal, 2014, 79, 1-12.	2.8	129
22	Stromules and the dynamic nature of plastid morphology. Journal of Microscopy, 2004, 214, 124-137.	0.8	125
23	Novel composition of mitochondrial genomes in Petunia somatic hybrids derived from cytoplasmic male sterile and fertile plants. Molecular Genetics and Genomics, 1983, 190, 459-467.	2.4	124
24	Genetics and genomics of chloroplast biogenesis: maize as a model system. Trends in Plant Science, 2004, 9, 293-301.	4.3	124
25	Metabolic profiling of a myalgic encephalomyelitis/chronic fatigue syndrome discovery cohort reveals disturbances in fatty acid and lipid metabolism. Molecular BioSystems, 2017, 13, 371-379.	2.9	113
26	A comparative genomics approach identifies a PPR-DYW protein that is essential for C-to-U editing of the Arabidopsis chloroplast accD transcript. Rna, 2009, 15, 1142-1153.	1.6	112
27	Dynamic morphology of plastids and stromules in angiosperm plants. Plant, Cell and Environment, 2008, 31, 646-657.	2.8	109
28	Plastids and stromules interact with the nucleus and cell membrane in vascular plants. Plant Cell Reports, 2004, 23, 188-195.	2.8	107
29	Microfilaments and microtubules control the morphology and movement of non-green plastids and stromules in Nicotiana tabacum. Plant Journal, 2003, 35, 16-26.	2.8	106
30	Transgenic tobacco plants with improved cyanobacterial Rubisco expression but no extra assembly factors grow at near wildâ€type rates if provided with elevated <scp>CO</scp>₂. Plant Journal, 2016, 85, 148-160.	2.8	102
31	Association of six YFP-myosin XI-tail fusions with mobile plant cell organelles. BMC Plant Biology, 2007, 7, 6.	1.6	101
32	A Zinc Finger Motif-Containing Protein Is Essential for Chloroplast RNA Editing. PLoS Genetics, 2015, 11, e1005028.	1.5	99
33	Cytidine Deaminase Motifs within the DYW Domain of Two Pentatricopeptide Repeat-containing Proteins Are Required for Site-specific Chloroplast RNA Editing. Journal of Biological Chemistry, 2015, 290, 2957-2968.	1.6	96
34	Intergenomic recombination of mitochondrial genomes in a somatic hybrid plant. Current Genetics, 1985, 9, 615-618.	0.8	95
35	A variant mitochondrial DNA arrangement specific toPetunia stable sterile somatic hybrids. Plant Molecular Biology, 1985, 4, 125-132.	2.0	94
36	Temperature-sensitive formation of chloroplast protrusions and stromules in mesophyll cells of Arabidopsis thaliana. Protoplasma, 2007, 230, 23-30.	1.0	92

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37	A single homogeneous form of ATP6 protein accumulates in petunia mitochondria despite the presence of differentially edited atp6 transcripts.. Plant Cell, 1994, 6, 1955-1968.	3.1	90
38	Stromules: Recent Insights into a Long Neglected Feature of Plastid Morphology and Function Â. Plant Physiology, 2011, 155, 1486-1492.	2.3	86
39	Sequence and transcription analysis of thePetuniamitochondrial gene for the ATP synthase proteolipid subunil. Nucleic Acids Research, 1986, 14, 7995-8006.	6.5	83
40	Structure and Function of the Higher Plant Mitochondrial Genome. International Review of Cytology, 1992, , 129-172.	6.2	82
41	Cross-Competition in Transgenic Chloroplasts Expressing Single Editing Sites Reveals Shared cis Elements. Molecular and Cellular Biology, 2002, 22, 8448-8456.	1.1	82
42	The petunia restorer of fertility protein is part of a large mitochondrial complex that interacts with transcripts of the CMS-associated locus. Plant Journal, 2007, 49, 217-227.	2.8	82
43	Stromules: Probing Formation and Function. Plant Physiology, 2018, 176, 128-137.	2.3	82
44	Myalgic encephalomyelitis/chronic fatigue syndrome patients exhibit altered T cell metabolism and cytokine associations. Journal of Clinical Investigation, 2020, 130, 1491-1505.	3.9	82
45	Transcription of the Petunia mitochondrial CMS-associated Pcf locus in male sterile and fertility-restored lines. Molecular Genetics and Genomics, 1991, 227, 348-355.	2.4	79
46	Genetic Architecture of Mitochondrial Editing in Arabidopsis thaliana. Genetics, 2008, 178, 1693-1708.	1.2	79
47	Effects of arc3, arc5 and arc6 Mutations on Plastid Morphology and Stromule Formation in Green and Nongreen Tissues of ArabidopsisÂthaliana^{â€}. Photochemistry and Photobiology, 2008, 84, 1324-1335.	1.3	76
48	Cytochrome oxidase subunit II sequences in Petunia mitochondria: two intron-containing genes and an intron-less pseudogene associated with cytoplasmic male sterility. Current Genetics, 1989, 16, 281-291.	0.8	75
49	Towards engineering carboxysomes into C3 plants. Plant Journal, 2016, 87, 38-50.	2.8	75
50	In vivo analysis of interactions between GFP-labeled microfilaments and plastid stromules. BMC Plant Biology, 2004, 4, 2.	1.6	74
51	Highâ€level bacterial cellulase accumulation in chloroplastâ€transformed tobacco mediated by downstream box fusions. Biotechnology and Bioengineering, 2009, 102, 1045-1054.	1.7	74
52	Transcript abundance supercedes editing efficiency as a factor in developmental variation of chloroplast gene expression. Rna, 2002, 8, 497-511.	1.6	73
53	Three copies of a single recombination repeat occur on the 443 kb mastercircle of thePetunia hybrida3704 mitochondrial genome. Nucleic Acids Research, 1989, 17, 7345-7357.	6.5	72
54	Expression of thermostable microbial cellulases in the chloroplasts of nicotine-free tobacco. Journal of Biotechnology, 2007, 131, 362-369.	1.9	72

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55	Editing of pre-mRNAs can occur before cis- and trans-splicing in Petunia mitochondria.. Molecular and Cellular Biology, 1991, 11, 4274-4277.	1.1	71
56	GFP-labelled Rubisco and aspartate aminotransferase are present in plastid stromules and traffic between plastids. Journal of Experimental Botany, 2004, 55, 595-604.	2.4	71
57	A single nuclear gene specifies the abundance and extent of RNA editing of a plant mitochondrial transcript. Nucleic Acids Research, 1992, 20, 5699-5703.	6.5	69
58	MITOCHONDRIAL DNA SEQUENCE DIVERGENCE AMONG LYCOPERSICON AND RELATED SOLANUM SPECIES. Genetics, 1986, 112, 649-667.	1.2	69
59	A termination codon is created by RNA editing in the petunia mitochondrial atp9 gene transcript. Current Genetics, 1991, 19, 61-64.	0.8	68
60	Substrate and cofactor requirements for RNA editing of chloroplast transcripts in Arabidopsis in vitro. Plant Journal, 2005, 42, 124-132.	2.8	68
61	Regeneration of somatic hybrid plants formed between Lycopersicon esculentum and Solatium rickii. Theoretical and Applied Genetics, 1986, 72, 59-65.	1.8	67
62	Plant organelle gene expression: Altered by RNA editing. Trends in Plant Science, 1996, 1, 57-64.	4.3	67
63	RNA Recognition Motif-Containing Protein ORRM4 Broadly Affects Mitochondrial RNA Editing and Impacts Plant Development and Flowering. Plant Physiology, 2016, 170, 294-309.	2.3	65
64	A NADH dehydrogenase subunit gene is co-transcribed with the abnormal Petunia mitochondrial gene associated with cytoplasmic male sterility. Molecular Genetics and Genomics, 1989, 215, 332-336.	2.4	64
65	Sequencing, processing, and localization of the petunia CMS-associated mitochondrial protein. Plant Journal, 1994, 5, 613-623.	2.8	60
66	An altered chloroplast ribosomal protein in ery-M1 mutants of Chlamydomonas reinhardi. Molecular Genetics and Genomics, 1974, 132, 119-129.	2.4	58
67	Multiple trans-splicing events are required to produce a mature nad1 transcript in a plant mitochondrion.. Genes and Development, 1991, 5, 1407-1415.	2.7	58
68	GFP imaging: methodology and application to investigate cellular compartmentation in plants. Journal of Experimental Botany, 2001, 52, 529-539.	2.4	58
69	Developmental co-variation of RNA editing extent of plastid editing sites exhibiting similar cis-elements. Nucleic Acids Research, 2003, 31, 2586-2594.	6.5	58
70	GFP imaging: methodology and application to investigate cellular compartmentation in plants. Journal of Experimental Botany, 2001, 52, 529-39.	2.4	58
71	A Multicenter Blinded Analysis Indicates No Association between Chronic Fatigue Syndrome/Myalgic Encephalomyelitis and either Xenotropic Murine Leukemia Virus-Related Virus or Polytropic Murine Leukemia Virus. MBio, 2012, 3, .	1.8	56
72	Characterization of chloroplast and cytoplasmic ribosomal proteins of Chlamydomonas reinhardi by two-dimensional gel electrophoresis. Molecular Genetics and Genomics, 1974, 132, 105-118.	2.4	55

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73	How do alterations in plant mitochondrial genomes disrupt pollen development?. Journal of Bioenergetics and Biomembranes, 1995, 27, 447-457.	1.0	55
74	Two RNA recognition motif-containing proteins are plant mitochondrial editing factors. Nucleic Acids Research, 2015, 43, 3814-3825.	6.5	55
75	Protein Polymorphism Generated by Differential RNA Editing of a Plant Mitochondrial rps12 Gene. Molecular and Cellular Biology, 1996, 16, 1543-1549.	1.1	54
76	A Myosin XI Tail Domain Homologous to the Yeast Myosin Vacuole-Binding Domain Interacts with Plastids and Stromules in Nicotiana benthamiana. Molecular Plant, 2009, 2, 1351-1358.	3.9	54
77	Comprehensive Circulatory Metabolomics in ME/CFS Reveals Disrupted Metabolism of Acyl Lipids and Steroids. Metabolites, 2020, 10, 34.	1.3	53
78	Anther Culture of Petunia: Genotypes with High Frequency of Callus, Root, or Plantlet Formation. Zeitschrift FÃ¼r Pflanzenphysiologie, 1980, 100, 131-145.	1.4	52
79	Differential Mitochondrial Electron Transport through the Cyanide-Sensitive and Cyanide-Insensitive Pathways in Isonuclear Lines of Cytoplasmic Male Sterile, Male Fertile, and Restored Petunia. Plant Physiology, 1990, 93, 1634-1640.	2.3	52
80	Somatic hybridization between Lycopersicon esculentum and Lycopersicon pennellii. Theoretical and Applied Genetics, 1985, 70, 1-12.	1.8	50
81	A single alteration 20 nt 5' to an editing target inhibits chloroplast RNA editing in vivo. Nucleic Acids Research, 2001, 29, 1507-1513.	6.5	50
82	Trafficking of Proteins through Plastid Stromules. Plant Cell, 2013, 25, 2774-2782.	3.1	50
83	Differential fate of plastid and mitochondrial genomes in Petunia somatic hybrids. Theoretical and Applied Genetics, 1986, 72, 748-755.	1.8	49
84	Chloroplast transformation for engineering of photosynthesis. Journal of Experimental Botany, 2013, 64, 731-742.	2.4	49
85	The Arabidopsis Mei2 homologue AML1 binds AtRaptor1B, the plant homologue of a major regulator of eukaryotic cell growth. BMC Plant Biology, 2005, 5, 2.	1.6	48
86	The impact of solvent type and mixing ratios of solvents on the properties of polyurethane based electrospun nanofibers. Applied Surface Science, 2015, 334, 227-230.	3.1	48
87	Sequence elements critical for efficient RNA editing of a tobacco chloroplast transcript in vivo and in vitro. Nucleic Acids Research, 2006, 34, 3742-3754.	6.5	47
88	Induction of plastid mutations in tomatoes by nitrosomethylurea. Journal of Heredity, 1984, 75, 242-246.	1.0	46
89	Regeneration of somatic hybrid plants formed between Lycopersicon esculentum and L. pennellii. Theoretical and Applied Genetics, 1987, 75, 83-89.	1.8	46
90	An efficient downstream box fusion allows high-level accumulation of active bacterial beta-glucosidase in tobacco chloroplasts. Plant Molecular Biology, 2011, 76, 345-355.	2.0	46

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91	The isolation of mitochondria and mitochondrial DNA. Methods in Enzymology, 1986, 118, 437-453.	0.4	45
92	Extensive homologous recombination between introduced and native regulatory plastid DNA elements in transplastomic plants. Transgenic Research, 2009, 18, 559-572.	1.3	45
93	A heterologous maize rpoB editing site is recognized by transgenic tobacco chloroplasts. Molecular and Cellular Biology, 1997, 17, 6948-6952.	1.1	44
94	Natural Variation in Arabidopsis Leads to the Identification of REME1, a Pentatricopeptide Repeat-DYW Protein Controlling the Editing of Mitochondrial Transcripts. Plant Physiology, 2010, 154, 1966-1982.	2.3	42
95	Mitochondrial DNA variants correlate with symptoms in myalgic encephalomyelitis/chronic fatigue syndrome. Journal of Translational Medicine, 2016, 14, 19.	1.8	42
96	Independent segregation of the plastid genome and cytoplasmic male sterility in Petunia somatic hybrids. Molecular Genetics and Genomics, 1985, 199, 440-445.	2.4	41
97	Ribosomal protein S19 is encoded by the mitochondrial genome in Petunia hybrida. Nucleic Acids Research, 1991, 19, 2701-2705.	6.5	41
98	Different transcript abundance of two divergent ATP synthase subunit 9 genes in the mitochondrial genome of Petunia hybrida. Molecular Genetics and Genomics, 1987, 209, 21-27.	2.4	40
99	Prospective Biomarkers from Plasma Metabolomics of Myalgic Encephalomyelitis/Chronic Fatigue Syndrome Implicate Redox Imbalance in Disease Symptomatology. Metabolites, 2018, 8, 90.	1.3	40
100	Identification of a sequence motif critical for editing of a tobacco chloroplast transcript. Rna, 2006, 13, 281-288.	1.6	39
101	Identification of a Mitochondrial Protein Associated with Cytoplasmic Male Sterility in Petunia. Plant Cell, 1989, 1, 1121.	3.1	38
102	High-level expression of a synthetic red-shifted GFP coding region incorporated into transgenic chloroplasts. Plant Journal, 2001, 27, 257-265.	2.8	37
103	Upregulation of a tonoplast-localized cytochrome P450 during petal senescence in Petunia inflata. BMC Plant Biology, 2006, 6, 8.	1.6	37
104	Organelle RNA recognition motif-containing (ORRM) proteins are plastid and mitochondrial editing factors in Arabidopsis. Plant Signaling and Behavior, 2016, 11, e1167299.	1.2	37
105	A protein with an unusually short PPR domain, MEF8, affects editing at over 60 Arabidopsis mitochondrial C targets of RNA editing. Plant Journal, 2017, 92, 638-649.	2.8	37
106	Fully Edited and Partially Edited nad9 Transcripts Differ in Size and Both Are Associated With Polysomes in Potato Mitochondria. Nucleic Acids Research, 1996, 24, 1369-1374.	6.5	36
107	Diversification of Genes Encoding Mei2-Like RNA Binding Proteins in Plants. Plant Molecular Biology, 2004, 54, 653-670.	2.0	36
108	Recombination between parental mitochondrial DNA following protoplast fusion can occur in a region which normally does not undergo intragenomic recombination in parental plants. Current Genetics, 1987, 12, 235-240.	0.8	35

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109	Ecotype Allelic Variation in C-to-U Editing Extent of a Mitochondrial Transcript Identifies RNA-Editing Quantitative Trait Loci in Arabidopsis. Plant Physiology, 2005, 139, 2006-2016.	2.3	35
110	Small subunits can determine enzyme kinetics of tobacco Rubisco expressed in Escherichia coli. Nature Plants, 2020, 6, 1289-1299.	4.7	35
111	Expression of the CMS-associated urfS sequence in transgenic petunia and tobacco. Plant Molecular Biology, 1995, 28, 83-92.	2.0	34
112	The male sterility-associated pcf gene and the normal atp9-1 gene in Petunia are located on different mitochondrial DNA molecules.. Genetics, 1991, 129, 885-895.	1.2	34
113	Transgenic maize lines with cellâ€type specific expression of fluorescent proteins in plastids. Plant Biotechnology Journal, 2010, 8, 112-125.	4.1	33
114	An Organelle RNA Recognition Motif Protein is Required for Photosynthetic Subunit psbF Transcript Editing. Plant Physiology, 2017, 173, pp.01623.2016.	2.3	33
115	Eukaryotes in the gut microbiota in myalgic encephalomyelitis/chronic fatigue syndrome. PeerJ, 2018, 6, e4282.	0.9	33
116	Improving the efficiency of Rubisco by resurrecting its ancestors in the family Solanaceae. Science Advances, 2022, 8, eabm6871.	4.7	32
117	Expression of complementary RNA from chloroplast transgenes affects editing efficiency of transgene and endogenous chloroplast transcripts. Nucleic Acids Research, 2005, 33, 1454-1464.	6.5	31
118	Characterization of the dszABC genes of Gordonia amicalis F.5.25.8 and identification of conserved protein and DNA sequences. Applied Microbiology and Biotechnology, 2007, 75, 843-851.	1.7	31
119	ORRM5, an RNA recognition motif-containing protein, has a unique effect on mitochondrial RNA editing. Journal of Experimental Botany, 2017, 68, 2833-2847.	2.4	30
120	Absence of carbonic anhydrase in chloroplasts affects C ₃ plant development but not photosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	30
121	Preferential RNA editing at specific sites within transcripts of two plant mitochondrial genes does not depend on transcriptional context or nuclear genotype. Current Genetics, 1996, 30, 502-508.	0.8	28
122	Green to red photoconversion of GFP for protein tracking in vivo. Scientific Reports, 2015, 5, 11771.	1.6	28
123	Editing of rps3/rpl16 transcripts creates a premature truncation of the rpl16 open reading frame. Current Genetics, 1993, 23, 472-476.	0.8	26
124	Edited transcripts compete with unedited mRNAs for trans-acting editing factors in higher plant chloroplasts. Gene, 2001, 272, 165-171.	1.0	26
125	Mitochondrial gene organization and expression in petunia male fertile and sterile plants. , 1999, 90, 362-368.		25
126	Identification of a BIBAC clone that co-segregates with the petunia Restorer of fertility (Rf) gene. Molecular Genetics and Genomics, 2001, 266, 223-230.	1.0	25

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127	RNA editing in ribosome-less plastids of iojap maize. Current Genetics, 2004, 45, 331-337.	0.8	25
128	Cross-competition in Editing of Chloroplast RNA Transcripts in Vitro Implicates Sharing of Trans-factors between Different C Targets. Journal of Biological Chemistry, 2008, 283, 7314-7319.	1.6	25
129	A Pair of Identical Twins Discordant for Myalgic Encephalomyelitis/Chronic Fatigue Syndrome Differ in Physiological Parameters and Gut Microbiome Composition. American Journal of Case Reports, 2016, 17, 720-729.	0.3	25
130	Red algal Rubisco fails to accumulate in transplastomic tobacco expressing GriffithsiaÂmonilis RbcL and RbcS genes. Plant Direct, 2018, 2, e00045.	0.8	24
131	Plasma metabolomics reveals disrupted response and recovery following maximal exercise in myalgic encephalomyelitis/chronic fatigue syndrome. JCI Insight, 2022, 7, .	2.3	24
132	Hybrid Cyanobacterial-Tobacco Rubisco Supports Autotrophic Growth and Procarboxysomal Aggregation. Plant Physiology, 2020, 182, 807-818.	2.3	23
133	The Enterovirus Theory of Disease Etiology in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome: A Critical Review. Frontiers in Medicine, 2021, 8, 688486.	1.2	23
134	Splicing of the Petunia cytochrome oxidase subunit II intron. Current Genetics, 1991, 19, 191-197.	0.8	22
135	Stromules, functional extensions of plastids within the plant cell. Current Opinion in Plant Biology, 2020, 58, 25-32.	3.5	22
136	A functional mitochondrial ATP synthase proteolipid gene produced by recombination of parental genes in a petunia somatic hybrid.. Genetics, 1988, 118, 155-161.	1.2	22
137	High-susceptibility of photosynthesis to photoinhibition in the tropical plant Ficus microcarpa L. f. cv. Golden Leaves. BMC Plant Biology, 2002, 2, 2.	1.6	21
138	Cytokine profiling of extracellular vesicles isolated from plasma in myalgic encephalomyelitis/chronic fatigue syndrome: a pilot study. Journal of Translational Medicine, 2020, 18, 387.	1.8	21
139	A downstream box fusion allows stable accumulation of a bacterial cellulase in Chlamydomonas reinhardtii chloroplasts. Biotechnology for Biofuels, 2018, 11, 133.	6.2	20
140	Field-grown tobacco plants maintain robust growth while accumulating large quantities of a bacterial cellulase in chloroplasts. Nature Plants, 2019, 5, 715-721.	4.7	20
141	The ery-M2 Group of Chlamydomonas reinhardii: Cold-sensitive, Erythromycin-resistant Mutants Deficient in Chloroplast Ribosomes. Journal of General Microbiology, 1978, 105, 253-262.	2.3	19
142	Locating the petunia Rf gene on a 650-kb DNA fragment. Theoretical and Applied Genetics, 1998, 96, 980-988.	1.8	19
143	A novel anther-expressed adh-homologous gene in Lycopersicon esculentum. Plant Molecular Biology, 1994, 26, 1875-1891.	2.0	18
144	Assay of Editing of Exogenous RNAs in Chloroplast Extracts of Arabidopsis, Maize, Pea, and Tobacco. Methods in Enzymology, 2007, 424, 459-482.	0.4	18

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145	Quantitative trait locus mapping identifies REME2, a PPR-DYW protein required for editing of specific C targets in Arabidopsis mitochondria. RNA Biology, 2013, 10, 1520-1525.	1.5	18
146	Examination of genome stability in cultured Lycopersicon. Plant Cell Reports, 1986, 5, 276-279.	2.8	17
147	Production and purification of synthetic peptide antibodies. Plant Molecular Biology Reporter, 1987, 5, 295-309.	1.0	17
148	A procedure to introduce point mutations into the Rubisco large subunit gene in wildâ€type plants. Plant Journal, 2021, 106, 876-887.	2.8	17
149	Analysis of Organelle Targeting by DIL Domains of the Arabidopsis Myosin XI Family. Frontiers in Plant Science, 2011, 2, 72.	1.7	16
150	Arabidopsis myosin XI sub-domains homologous to the yeast myo2p organelle inheritance sub-domain target subcellular structures in plant cells. Frontiers in Plant Science, 2013, 4, 407.	1.7	16
151	Sequence and expression of a fused mitochondrial gene, associated with Petunia cytoplasmic male sterility, compared with normal mitochondrial genes in fertile and sterile plants. Philosophical Transactions of the Royal Society of London Series B, Biological Sciences, 1988, 319, 199-208.	2.4	15
152	Localization of tRNA genes on the Petunia hybrida 3704 mitochondrial genome. Plant Molecular Biology, 1993, 21, 403-407.	2.0	15
153	Tissue-Specific Protein Expression in Plant Mitochondria. Plant Cell, 1994, 6, 85.	3.1	15
154	Highâ€throughput quantification of chloroplast RNA editing extent using multiplex <scp>RT</scp>â€<scp>PCR</scp> mass spectrometry. Plant Journal, 2015, 83, 546-554.	2.8	15
155	ERYTHROMYCIN RESISTANCE AND THE CHLOROPLAST RIBOSOME IN CHLAMYDOMONAS REINHARDI. Genetics, 1978, 89, 281-297.	1.2	15
156	Complementation analysis at the ery-M1 locus in Chlamydomonas reinhardi. Molecular Genetics and Genomics, 1977, 153, 271-277.	2.4	14
157	Intraspecific genetic variation in cytokinin-controlled shoot morphogenesis from tissue explants of Petunia hybrida. Plant Science Letters, 1984, 35, 237-245.	1.9	14
158	Effect of Charcoal and Hormones on Anther Culture of Petunia and Nicotiana. Zeitschrift FÃ¼r Pflanzenphysiologie, 1981, 102, 109-116.	1.4	13
159	A truncated recombination repeat in the mitochondrial genome of a Petunia CMS line. Current Genetics, 1993, 23, 477-482.	0.8	13
160	High Conservation of a 5â€² Element Required for RNA Editing of a C Target in Chloroplast psbE Transcripts. Journal of Molecular Evolution, 2008, 67, 233-245.	0.8	13
161	Effects of erythromycin on membrane-bound chloroplast ribosomes from wild-type Chlamydomonas reinhardi and erythromycin-resistant mutants. Nucleic Acids and Protein Synthesis, 1977, 479, 279-289.	1.7	12
162	Functional diversity of Arabidopsis organelleâ€localized <scp>RNA</scp>â€recognition motifâ€containing proteins. Wiley Interdisciplinary Reviews RNA, 2017, 8, e1420.	3.2	12

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163	A RanBP2-type zinc finger protein functions in intron splicing in Arabidopsis mitochondria and is involved in the biogenesis of respiratory complex I. Nucleic Acids Research, 2021, 49, 3490-3506.	6.5	12
164	Bacteriophage 5â€² untranslated regions for control of plastid transgene expression. Planta, 2013, 237, 517-527.	1.6	11
165	In-Depth Analysis of the Plasma Proteome in ME/CFS Exposes Disrupted Ephrin-Eph and Immune System Signaling. Proteomes, 2021, 9, 6.	1.7	11
166	Effects of Petunia cytoplasmic male sterile (CMS) cytoplasm on the development of sterile and fertilityâ€restored P.parodii anthers. American Journal of Botany, 1994, 81, 630-640.	0.8	10
167	Cytoplasmic Male Sterility in Petunia. , 1991, , 383-399.		10
168	Recombination of Plant Mitochondrial Genomes. , 1994, , 61-81.		9
169	ORGANELLE SEGREGATION AND RECOMBINATION FOLLOWING PROTOPLAST FUSION: ANALYSIS OF STERILE CYTOPLASMS. , 1985, , 129-144.		9
170	Letter to the Editor of Metabolites. Metabolites, 2020, 10, 216.	1.3	8
171	Cryostat Tissue Printing: An Improved Method for Histochemical and Immunocytochemical Localization in Soft Tissues. BioTechniques, 1997, 22, 488-496.	0.8	7
172	Survey of Anti-Pathogen Antibody Levels in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. Proteomes, 2022, 10, 21.	1.7	7
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