Maureen R Hanson

List of Publications by Citations

191 papers	10,912 citations	57 h-index	98 g-index
201 ext. papers	12,215 ext. citations	8.3 avg, IF	6.47 L-index

#	Paper	IF	Citations
191	Interactions of mitochondrial and nuclear genes that affect male gametophyte development. *Plant Cell*, **2004**, 16 Suppl, S154-69	11.6	608
190	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, 8529-36	11.5	515
189	Exchange of protein molecules through connections between higher plant plastids. *Science*, **1997**, 276, 2039-42	33.3	495
188	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, 10887-92	11.5	390
187	Plant mitochondrial mutations and male sterility. *Annual Review of Genetics*, **1991**, 25, 461-86	14.5	340
186	Chloroplast RNA metabolism. *Annual Review of Plant Biology*, **2010**, 61, 125-55	30.7	312
185	A fused mitochondrial gene associated with cytoplasmic male sterility is developmentally regulated. *Cell*, **1987**, 50, 41-9	56.2	305
184	A faster Rubisco with potential to increase photosynthesis in crops. *Nature*, **2014**, 513, 547-50	50.4	299
183	Mobilization of rubisco and stroma-localized fluorescent proteins of chloroplasts to the vacuole by an ATG gene-dependent autophagic process. *Plant Physiology*, **2008**, 148, 142-55	6.6	254
182	The green fluorescent protein as a marker to visualize plant mitochondria in vivo. *Plant Journal*, **1997**, 11, 613-21	6.9	212
181	Reduced diversity and altered composition of the gut microbiome in individuals with myalgic encephalomyelitis/chronic fatigue syndrome. *Microbiome*, **2016**, 4, 30	16.6	166
180	GFP imaging: methodology and application to investigate cellular compartmentation in plants. *Journal of Experimental Botany*, **2001**, 52, 529-539	7	164
179	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	11.5	158
178	Programmed cell death during pollination-induced petal senescence in petunia. *Plant Physiology*, **2000**, 122, 1323-33	6.6	148
177	Functioning and Variation of Cytoplasmic Genomes: Lessons from Cytoplasmic-Nuclear Interactions Affecting Male Fertility in Plants. *International Review of Cytology*, **1985**, 94, 213-267		146
176	Identification of a mitochondrial protein associated with cytoplasmic male sterility in petunia. *Plant Cell*, **1989**, 1, 1121-30	11.6	119
175	The Arabidopsis AtRaptor genes are essential for post-embryonic plant growth. *BMC Biology*, **2005**, 3, 12	7.3	117

174	Comprehensive high-resolution analysis of the role of an Arabidopsis gene family in RNA editing. *PLoS Genetics*, **2013**, 9, e1003584	6	115
173	Carboxysomal proteins assemble into highly organized structures in Nicotiana chloroplasts. *Plant Journal*, **2014**, 79, 1-12	6.9	105
172	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		105
171	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	11.5	103
170	Genetics and genomics of chloroplast biogenesis: maize as a model system. *Trends in Plant Science*, **2004**, 9, 293-301	13.1	103
169	The Unexpected Diversity of Plant Organelle RNA Editosomes. *Trends in Plant Science*, **2016**, 21, 962-973	13.1	102
168	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, 1142-53	5.8	101
167	Stromules and the dynamic nature of plastid morphology. *Journal of Microscopy*, **2004**, 214, 124-37	1.9	99
166	Dynamic morphology of plastids and stromules in angiosperm plants. *Plant, Cell and Environment*, **2008**, 31, 646-57	8.4	97
165	Plastids and stromules interact with the nucleus and cell membrane in vascular plants. *Plant Cell Reports*, **2004**, 23, 188-95	5.1	96
164	Microfilaments and microtubules control the morphology and movement of non-green plastids and stromules in Nicotiana tabacum. *Plant Journal*, **2003**, 35, 16-26	6.9	93
163	Association of six YFP-myosin XI-tail fusions with mobile plant cell organelles. *BMC Plant Biology*, **2007**, 7, 6	5.3	90
162	Intergenomic recombination of mitochondrial genomes in a somatic hybrid plant. *Current Genetics*, **1985**, 9, 615-618	2.9	85
161	A variant mitochondrial DNA arrangement specific toPetunia stable sterile somatic hybrids. *Plant Molecular Biology*, **1985**, 4, 125-32	4.6	84
160	Temperature-sensitive formation of chloroplast protrusions and stromules in mesophyll cells of Arabidopsis thaliana. *Protoplasma*, **2007**, 230, 23-30	3.4	82
159	A single homogeneous form of ATP6 protein accumulates in petunia mitochondria despite the presence of differentially edited atp6 transcripts. *Plant Cell*, **1994**, 6, 1955-68	11.6	80
158	Cross-competition in transgenic chloroplasts expressing single editing sites reveals shared cis elements. *Molecular and Cellular Biology*, **2002**, 22, 8448-56	4.8	79
157	Transgenic tobacco plants with improved cyanobacterial Rubisco expression but no extra assembly factors grow at near wild-type rates if provided with elevated CO2. *Plant Journal*, **2016**, 85, 148-60	6.9	77

156	Genetic architecture of mitochondrial editing in Arabidopsis thaliana. *Genetics*, **2008**, 178, 1693-708	4	76
155	Sequence and transcription analysis of the Petunia mitochondrial gene for the ATP synthase proteolipid subunit. *Nucleic Acids Research*, **1986**, 14, 7995-8006	20.1	76
154	Stromules: recent insights into a long neglected feature of plastid morphology and function. *Plant Physiology*, **2011**, 155, 1486-92	6.6	75
153	A zinc finger motif-containing protein is essential for chloroplast RNA editing. *PLoS Genetics*, **2015**, 11, e1005028	6	70
152	Editing of pre-mRNAs can occur before cis- and trans-splicing in Petunia mitochondria. *Molecular and Cellular Biology*, **1991**, 11, 4274-7	4.8	70
151	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, 217-27	6.9	69
150	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		68
149	High-level bacterial cellulase accumulation in chloroplast-transformed tobacco mediated by downstream box fusions. *Biotechnology and Bioengineering*, **2009**, 102, 1045-54	4.9	68
148	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, 281-91	2.9	68
147	A single nuclear gene specifies the abundance and extent of RNA editing of a plant mitochondrial transcript. *Nucleic Acids Research*, **1992**, 20, 5699-703	20.1	67
146	Expression of thermostable microbial cellulases in the chloroplasts of nicotine-free tobacco. *Journal of Biotechnology*, **2007**, 131, 362-9	3.7	65
145	In vivo analysis of interactions between GFP-labeled microfilaments and plastid stromules. *BMC Plant Biology*, **2004**, 4, 2	5.3	65
144	Transcript abundance supercedes editing efficiency as a factor in developmental variation of chloroplast gene expression. *Rna*, **2002**, 8, 497-511	5.8	65
143	Substrate and cofactor requirements for RNA editing of chloroplast transcripts in Arabidopsis in vitro. *Plant Journal*, **2005**, 42, 124-32	6.9	63
142	A termination codon is created by RNA editing in the petunia atp9 transcript. *Current Genetics*, **1991** , 19, 61-4	2.9	63
141	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, 2957-68	5.4	62
140	GFP-labelled Rubisco and aspartate aminotransferase are present in plastid stromules and traffic between plastids. *Journal of Experimental Botany*, **2004**, 55, 595-604	7	62
139	Transcription of the Petunia mitochondrial CMS-associated Pcf locus in male sterile and fertility-restored lines. *Molecular Genetics and Genomics*, **1991**, 227, 348-55		62

138	Three copies of a single recombination repeat occur on the 443 kb master circle of the Petunia hybrida 3704 mitochondrial genome. *Nucleic Acids Research*, **1989**, 17, 7345-57	20.1	62
137	Regeneration of somatic hybrid plants formed between Lycopersicon esculentum and Solatium rickii. *Theoretical and Applied Genetics*, **1986**, 72, 59-65	6	61
136	Plant organelle gene expression: Altered by RNA editing. *Trends in Plant Science*, **1996**, 1, 57-64	13.1	59
135	Mitochondrial DNA Sequence Divergence among Lycopersicon and Related Solanum Species. *Genetics*, **1986**, 112, 649-67	4	58
134	Structure and Function of the Higher Plant Mitochondrial Genome. *International Review of Cytology* , **1992**, 129-172		57
133	Towards engineering carboxysomes into C3 plants. *Plant Journal*, **2016**, 87, 38-50	6.9	57
132	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, 332-6		56
131	Effects of arc3, arc5 and arc6 mutations on plastid morphology and stromule formation in green and nongreen tissues of Arabidopsis thaliana. *Photochemistry and Photobiology*, **2008**, 84, 1324-35	3.6	55
130	GFP imaging: methodology and application to investigate cellular compartmentation in plants. *Journal of Experimental Botany*, **2001**, 52, 529-39	7	55
129	An altered chloroplast ribosomal protein in ery-M1 mutants of Chlamydomonas reinhardi. *Molecular Genetics and Genomics*, **1974**, 132, 119-29		54
128	Developmental co-variation of RNA editing extent of plastid editing sites exhibiting similar cis-elements. *Nucleic Acids Research*, **2003**, 31, 2586-94	20.1	51
127	Sequencing, processing, and localization of the petunia CMS-associated mitochondrial protein. *Plant Journal*, **1994**, 5, 613-23	6.9	51
126	Characterization of chloroplast and cytoplasmic ribosomal proteins of Chlamydomonas reinhardi by two-dimensional gel electrophoresis. *Molecular Genetics and Genomics*, **1974**, 132, 105-18		51
125	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, 1351-8	14.4	50
124	How do alterations in plant mitochondrial genomes disrupt pollen development?. *Journal of Bioenergetics and Biomembranes*, **1995**, 27, 447-57	3.7	50
123	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, 1634-40	6.6	49
122	Somatic hybridization between Lycopersicon esculentum and Lycopersicon pennellii. *Theoretical and Applied Genetics*, **1985**, 70, 1-12	6	49
121	Anther Culture of Petunia: Genotypes with High Frequency of Callus, Root, or Plantlet Formation. *Zeitschrift F□ Pflanzenphysiologie*, **1980**, 100, 131-145		49

120	Stromules: Probing Formation and Function. *Plant Physiology*, **2018**, 176, 128-137	6.6	48
119	A single alteration 20 nt 5Uto an editing target inhibits chloroplast RNA editing in vivo. *Nucleic Acids Research*, **2001**, 29, 1507-13	20.1	47
118	Differential fate of plastid and mitochondrial genomes in Petunia somatic hybrids. *Theoretical and Applied Genetics*, **1986**, 72, 748-55	6	47
117	Protein polymorphism generated by differential RNA editing of a plant mitochondrial rps12 gene. *Molecular and Cellular Biology*, **1996**, 16, 1543-9	4.8	46
116	RNA Recognition Motif-Containing Protein ORRM4 Broadly Affects Mitochondrial RNA Editing and Impacts Plant Development and Flowering. *Plant Physiology*, **2016**, 170, 294-309	6.6	46
115	Two RNA recognition motif-containing proteins are plant mitochondrial editing factors. *Nucleic Acids Research*, **2015**, 43, 3814-25	20.1	45
114	Multiple trans-splicing events are required to produce a mature nad1 transcript in a plant mitochondrion. *Genes and Development*, **1991**, 5, 1407-15	12.6	45
113	Sequence elements critical for efficient RNA editing of a tobacco chloroplast transcript in vivo and in vitro. *Nucleic Acids Research*, **2006**, 34, 3742-54	20.1	44
112	Trafficking of proteins through plastid stromules. *Plant Cell*, **2013**, 25, 2774-82	11.6	42
111	An efficient downstream box fusion allows high-level accumulation of active bacterial beta-glucosidase in tobacco chloroplasts. *Plant Molecular Biology*, **2011**, 76, 345-55	4.6	42
110	A heterologous maize rpoB editing site is recognized by transgenic tobacco chloroplasts. *Molecular and Cellular Biology*, **1997**, 17, 6948-52	4.8	42
109	The Arabidopsis Mei2 homologue AML1 binds AtRaptor1B, the plant homologue of a major regulator of eukaryotic cell growth. *BMC Plant Biology*, **2005**, 5, 2	5.3	42
108	Regeneration of somatic hybrid plants formed between Lycopersicon esculentum and L. pennellii. *Theoretical and Applied Genetics*, **1987**, 75, 83-89	6	42
107	Induction of plastid mutations in tomatoes by nitrosomethylurea. *Journal of Heredity*, **1984**, 75, 242-246	2.4	42
106	Chloroplast transformation for engineering of photosynthesis. *Journal of Experimental Botany*, **2013**, 64, 731-42	7	41
105	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,	7.8	41
104	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, 1966-82	6.6	40
103	Extensive homologous recombination between introduced and native regulatory plastid DNA elements in transplastomic plants. *Transgenic Research*, **2009**, 18, 559-72	3.3	36

102	Identification of a sequence motif critical for editing of a tobacco chloroplast transcript. *Rna*, **2007**, 13, 281-8	5.8	36
101	High-level expression of a synthetic red-shifted GFP coding region incorporated into transgenic chloroplasts. *Plant Journal*, **2001**, 27, 257-65	6.9	36
100	Ribosomal protein S19 is encoded by the mitochondrial genome in Petunia hybrida. *Nucleic Acids Research*, **1991**, 19, 2701-5	20.1	36
99	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	6.7	35
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, 21-7		35
97	Myalgic encephalomyelitis/chronic fatigue syndrome patients exhibit altered T cell metabolism and cytokine associations. *Journal of Clinical Investigation*, **2020**, 130, 1491-1505	15.9	34
96	Upregulation of a tonoplast-localized cytochrome P450 during petal senescence in Petunia inflata. *BMC Plant Biology*, **2006**, 6, 8	5.3	33
95	Diversification of genes encoding mei2 -like RNA binding proteins in plants. *Plant Molecular Biology*, **2004**, 54, 653-70	4.6	33
94	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, 2006-16	6.6	33
93	Independent segregation of the plastid genome and cytoplasmic male sterility in Petunia somatic hybrids. *Molecular Genetics and Genomics*, **1985**, 199, 440-445		33
92	Mitochondrial DNA variants correlate with symptoms in myalgic encephalomyelitis/chronic fatigue syndrome. *Journal of Translational Medicine*, **2016**, 14, 19	8.5	32
91	The isolation of mitochondria and mitochondrial DNA. *Methods in Enzymology*, **1986**, 118, 437-453	1.7	32
90	Expression of the CMS-associated urfS sequence in transgenic petunia and tobacco. *Plant Molecular Biology*, **1995**, 28, 83-92	4.6	31
89	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	2.9	31
88	Fully edited and partially edited nad9 transcripts differ in size and both are associated with polysomes in potato mitochondria. *Nucleic Acids Research*, **1996**, 24, 1369-74	20.1	29
87	Expression of complementary RNA from chloroplast transgenes affects editing efficiency of transgene and endogenous chloroplast transcripts. *Nucleic Acids Research*, **2005**, 33, 1454-64	20.1	29
86	Transgenic maize lines with cell-type specific expression of fluorescent proteins in plastids. *Plant Biotechnology Journal*, **2010**, 8, 112-25	11.6	28
85	The male sterility-associated pcf gene and the normal atp9-1 gene in Petunia are located on different mitochondrial DNA molecules. *Genetics*, **1991**, 129, 885-95	4	27

84	Eukaryotes in the gut microbiota in myalgic encephalomyelitis/chronic fatigue syndrome. *PeerJ*, **2018**, 6, e4282	3.1	26
83	Organelle RNA recognition motif-containing (ORRM) proteins are plastid and mitochondrial editing factors in Arabidopsis. *Plant Signaling and Behavior*, **2016**, 11, e1167299	2.5	26
82	An Organelle RNA Recognition Motif Protein Is Required for Photosystem II Subunit Transcript Editing. *Plant Physiology*, **2017**, 173, 2278-2293	6.6	25
81	Comprehensive Circulatory Metabolomics in ME/CFS Reveals Disrupted Metabolism of Acyl Lipids and Steroids. *Metabolites*, **2020**, 10,	5.6	25
80	Editing of rps3/rpl16 transcripts creates a premature truncation of the rpl16 open reading frame. *Current Genetics*, **1993**, 23, 472-6	2.9	25
79	Green to red photoconversion of GFP for protein tracking in vivo. *Scientific Reports*, **2015**, 5, 11771	4.9	24
78	RNA editing in ribosome-less plastids of iojap maize. *Current Genetics*, **2004**, 45, 331-7	2.9	24
77	Identification of a BIBAC clone that co-segregates with the petunia restorer of fertility (Rf) gene. *Molecular Genetics and Genomics*, **2001**, 266, 223-30	3.1	24
76	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, 843-51	5.7	23
75	Edited transcripts compete with unedited mRNAs for trans-acting editing factors in higher plant chloroplasts. *Gene*, **2001**, 272, 165-71	3.8	23
74	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, 7314-9	5.4	22
73	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, 502-8	2.9	22
72	Prospective Biomarkers from Plasma Metabolomics of Myalgic Encephalomyelitis/Chronic Fatigue Syndrome Implicate Redox Imbalance in Disease Symptomatology. *Metabolites*, **2018**, 8,	5.6	21
71	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	6.9	20
70	A functional mitochondrial ATP synthase proteolipid gene produced by recombination of parental genes in a petunia somatic hybrid. *Genetics*, **1988**, 118, 155-61	4	20
69	ORRM5, an RNA recognition motif-containing protein, has a unique effect on mitochondrial RNA editing. *Journal of Experimental Botany*, **2017**, 68, 2833-2847	7	19
68	Splicing of the Petunia cytochrome oxidase subunit II intron. *Current Genetics*, **1991**, 19, 191-7	2.9	19
67	Small subunits can determine enzyme kinetics of tobacco Rubisco expressed in Escherichia coli. *Nature Plants*, **2020**, 6, 1289-1299	11.5	19

66	Mitochondrial gene organization and expression in petunia male fertile and sterile plants. *Journal of Heredity*, **1999**, 90, 362-8	2.4	18
65	Assay of editing of exogenous RNAs in chloroplast extracts of Arabidopsis, maize, pea, and tobacco. *Methods in Enzymology*, **2007**, 424, 459-82	1.7	17
64	The ery-M2 Group of Chlamydomonas reinhardii: Cold-sensitive, Erythromycin-resistant Mutants Deficient in Chloroplast Ribosomes. *Journal of General Microbiology*, **1978**, 105, 253-262		17
63	Quantitative trait locus mapping identifies REME2, a PPR-DYW protein required for editing of specific C targets in Arabidopsis mitochondria. *RNA Biology*, **2013**, 10, 1520-5	4.8	16
62	Locating the petunia Rf gene on a 650-kb DNA fragment. *Theoretical and Applied Genetics*, **1998**, 96, 980-988		16
61	Red algal Rubisco fails to accumulate in transplastomic tobacco expressing and genes. *Plant Direct*, **2018**, 2, e00045	3.3	15
60	A downstream box fusion allows stable accumulation of a bacterial cellulase in chloroplasts. *Biotechnology for Biofuels*, **2018**, 11, 133	7.8	15
59	Localization of tRNA genes on the Petunia hybrida 3704 mitochondrial genome. *Plant Molecular Biology*, **1993**, 21, 403-7	4.6	15
58	Examination of genome stability in cultured Lycopersicon. *Plant Cell Reports*, **1986**, 5, 276-9	5.1	15
57	High-susceptibility of photosynthesis to photoinhibition in the tropical plant Ficus microcarpa L. f. cv. Golden Leaves. *BMC Plant Biology*, **2002**, 2, 2	5.3	14
56	A novel anther-expressed adh-homologous gene in Lycopersicon esculentum. *Plant Molecular Biology*, **1994**, 26, 1875-91	4.6	14
55	Production and purification of synthetic peptide antibodies. *Plant Molecular Biology Reporter*, **1987**, 5, 295-309	1.7	14
54	Field-grown tobacco plants maintain robust growth while accumulating large quantities of a bacterial cellulase in chloroplasts. *Nature Plants*, **2019**, 5, 715-721	11.5	13
53	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	6.2	13
52	High conservation of a 5Ûelement required for RNA editing of a C target in chloroplast psbE transcripts. *Journal of Molecular Evolution*, **2008**, 67, 233-45	3.1	13
51	GFP imaging: methodology and application to investigate cellular compartmentation in plants. *Journal of Experimental Botany*, **2001**, 52, 529-539	7	13
50	Identification of a Mitochondrial Protein Associated with Cytoplasmic Male Sterility in Petunia. *Plant Cell*, **1989**, 1, 1121	11.6	13
49	Intraspecific genetic variation in cytokinin-controlled shoot morphogenesis from tissue explants of Petunia hybrida. *Plant Science Letters*, **1984**, 35, 237-245		13

48	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	1.3	13
47	A truncated recombination repeat in the mitochondrial genome of a Petunia CMS line. *Current Genetics*, **1993**, 23, 477-82	2.9	12
46	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		12
45	Complementation analysis at the ery-M1 locus in Chlamydomonas reinhardi. *Molecular Genetics and Genomics*, **1977**, 153, 271-277		12
44	Erythromycin resistance and the chloroplast ribosome in Chlamydomonas reinhardi. *Genetics*, **1978**, 89, 281-97	4	12
43	Hybrid Cyanobacterial-Tobacco Rubisco Supports Autotrophic Growth and Procarboxysomal Aggregation. *Plant Physiology*, **2020**, 182, 807-818	6.6	11
42	Analysis of Organelle Targeting by DIL Domains of the Arabidopsis Myosin XI Family. *Frontiers in Plant Science*, **2011**, 2, 72	6.2	11
41	Effect of Charcoal and Hormones on Anther Culture of Petunia and Nicotiana. *Zeitschrift F Pflanzenphysiologie*, **1981**, 102, 109-116		11
40	High-throughput quantification of chloroplast RNA editing extent using multiplex RT-PCR mass spectrometry. *Plant Journal*, **2015**, 83, 546-54	6.9	10
39	ORGANELLE SEGREGATION AND RECOMBINATION FOLLOWING PROTOPLAST FUSION: ANALYSIS OF STERILE CYTOPLASMS **1985**, 129-144		9
38	Bacteriophage 5Untranslated regions for control of plastid transgene expression. *Planta*, **2013**, 237, 517-27	4.7	8
37	Effects of erythromycin on membrane-bound chloroplast ribosomes from wild-type Chlamydomonas reinhardi and erythromycin-resistant mutants. *Nucleic Acids and Protein Synthesis*, **1977**, 479, 279-89		8
36	Cryostat tissue printing: an improved method for histochemical and immunocytochemical localization in soft tissues. *BioTechniques*, **1997**, 22, 488, 491-6	2.5	7
35	Effects of Petunia cytoplasmic male sterile (CMS) cytoplasm on the development of sterile and fertility-restored P. parodii anthers. *American Journal of Botany*, **1994**, 81, 630-640	2.7	7
34	Tissue-Specific Protein Expression in Plant Mitochondria. *Plant Cell*, **1994**, 6, 85	11.6	7
33	Functional diversity of Arabidopsis organelle-localized RNA-recognition motif-containing proteins. *Wiley Interdisciplinary Reviews RNA*, **2017**, 8, e1420	9.3	6
32	Cytokine profiling of extracellular vesicles isolated from plasma in myalgic encephalomyelitis/chronic fatigue syndrome: a pilot study. *Journal of Translational Medicine*, **2020**, 18, 387	8.5	6
31	Reactive oxygen species signal chloroplasts to extend themselves. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 9799-800	11.5	5

30	Stromules, functional extensions of plastids within the plant cell. *Current Opinion in Plant Biology*, **2020**, 58, 25-32	9.9	5
29	Evaluating Small UAS Near Midair Collision Risk Using AeroScope and ADS-B. *International Journal of Aviation, Aeronautics, and Aerospace*,		5
28	Effects of Petunia cytoplasmic male sterile (CMS) cytoplasm on the development of sterile and fertility-restored P. parodii anthers **1994**, 81, 630		5
27	Recombination of Plant Mitochondrial Genomes **1994**, 61-81		5
26	The gut microbiome in Myalgic Encephalomyelitis. *Biochemist*, **2017**, 39, 10-13	0.5	5
25	The Genetics of the Chloroplast Ribosome in Chlamydomonas reinhardi **1977**, 135-154		5
24	Enzyme kinetics of tobacco Rubisco expressed in Escherichia coli varies depending on the small subunit composition		4
23	A procedure to introduce point mutations into the Rubisco large subunit gene in wild-type plants. *Plant Journal*, **2021**, 106, 876-887	6.9	4
22	The Enterovirus Theory of Disease Etiology in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome: A Critical Review. *Frontiers in Medicine*, **2021**, 8, 688486	4.9	4
21	In-Depth Analysis of the Plasma Proteome in ME/CFS Exposes Disrupted Ephrin-Eph and Immune System Signaling. *Proteomes*, **2021**, 9,	4.6	4
20	Cytoplasmic Male Sterility in Petunia **1991**, 383-399		4
19	Agrobacterium-transformed tomato cells replace the hormone requirement for growth of tomato leaf protoplasts. *Plant Science*, **1985**, 41, 185-192	5.3	3
18	Sensitivity of PCR assays for murine gammaretroviruses and mouse contamination in human blood samples. *PLoS ONE*, **2012**, 7, e37482	3.7	3
17	Cytoplasmic Male Sterility in Petunia. *Advances in Cellular and Molecular Biology of Plants*, **1995**, 497-514		3
16	Association of mitochondrial DNA variants with myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS) symptoms. *Journal of Translational Medicine*, **2016**, 14, 342	8.5	3
15	Letter to the Editor of. *Metabolites*, **2020**, 10,	5.6	2
14	Arabidopsis RanBP2-Type Zinc Finger Proteins Related to Chloroplast RNA Editing Factor OZ1. *Plants*, **2020**, 9,	4.5	2
13	Cytoplasmic Male Sterility and Fertility Restoration in Petunia **2009**, 107-129		2

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