

Virginia Walbot

List of Publications by Year in descending order

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197
papers

15,123
citations

18482

62
h-index

21540

114
g-index

206
all docs

206
docs citations

206
times ranked

11231
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant glutathione S-transferases: enzymes with multiple functions in sickness and in health. Trends in Plant Science, 2000, 5, 193-198.	8.8	827
2	Stable transformation of maize after gene transfer by electroporation. Nature, 1986, 319, 791-793.	27.8	654
3	A glutathione S-transferase involved in vacuolar transfer encoded by the maize gene Bronze-2. Nature, 1995, 375, 397-400.	27.8	604
4	Impact of low-temperature stress on general phenylpropanoid and anthocyanin pathways: Enhancement of transcript abundance and anthocyanin pigmentation in maize seedlings. Planta, 1994, 194, 541-549.	3.2	550
5	The TTG Gene Is Required to Specify Epidermal Cell Fate and Cell Patterning in the Arabidopsis Root. Developmental Biology, 1994, 166, 740-754.	2.0	486
6	Advancing Crop Transformation in the Era of Genome Editing. Plant Cell, 2016, 28, tpc.00196.2016.	6.6	429
7	Functional Complementation of Anthocyanin Sequestration in the Vacuole by Widely Divergent Glutathione S-Transferases. Plant Cell, 1998, 10, 1135-1149.	6.6	391
8	A Multidrug Resistance-Associated Protein Involved in Anthocyanin Transport in Zea mays. Plant Cell, 2004, 16, 1812-1826.	6.6	380
9	AN9, a Petunia Glutathione S-Transferase Required for Anthocyanin Sequestration, Is a Flavonoid-Binding Protein. Plant Physiology, 2000, 123, 1561-1570.	4.8	366
10	Spatiotemporally dynamic, cell-type-dependent premeiotic and meiotic phasiRNAs in maize anthers. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3146-3151.	7.1	310
11	An <i>Agrobacterium</i> -delivered CRISPR/Cas9 system for high-frequency targeted mutagenesis in maize. Plant Biotechnology Journal, 2017, 15, 257-268.	8.3	300
12	Clusters and superclusters of phased small RNAs in the developing inflorescence of rice. Genome Research, 2009, 19, 1429-1440.	5.5	283
13	Identification of the motifs within the tobacco mosaic virus 5'-leader responsible for enhancing translation. Nucleic Acids Research, 1992, 20, 4631-4638.	14.5	231
14	Gene Expression Profiling in Response to Ultraviolet Radiation in Maize Genotypes with Varying Flavonoid Content. Plant Physiology, 2003, 132, 1739-1754.	4.8	228
15	What determines cell size?. BMC Biology, 2012, 10, 101.	3.8	196
16	Maize Tumors Caused by <i>Ustilago maydis</i> Require Organ-Specific Genes in Host and Pathogen. Science, 2010, 328, 89-92.	12.6	183
17	Signal perception, transduction, and gene expression involved in anthocyanin biosynthesis. Critical Reviews in Plant Sciences, 1996, 15, 525-557.	5.7	179
18	Hypoxia Triggers Meiotic Fate Acquisition in Maize. Science, 2012, 337, 345-348.	12.6	179

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19	An Arabidopsis photolyase mutant is hypersensitive to ultraviolet-B radiation. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 328-332.	7.1	178
20	Intron enhancement of gene expression and the splicing efficiency of introns in maize cells. Molecular Genetics and Genomics, 1991, 225, 81-93.	2.4	173
21	The genome of Zea mays, its organization and homology to related grasses. Chromosoma, 1980, 79, 251-270.	2.2	170
22	Evolution, functions, and mysteries of plant ARGONAUTE proteins. Current Opinion in Plant Biology, 2015, 27, 84-90.	7.1	164
23	Unique features of the plant life cycle and their consequences. Nature Reviews Genetics, 2003, 4, 369-379.	16.3	158
24	Sequencing, Mapping, and Analysis of 27,455 Maize Full-Length cDNAs. PLoS Genetics, 2009, 5, e1000740.	3.5	145
25	[35] Transient expression analysis in plants using firefly luciferase reporter gene. Methods in Enzymology, 1992, 216, 397-414.	1.0	143
26	A Secreted Effector Protein of <i>Ustilago maydis</i> Guides Maize Leaf Cells to Form Tumors. Plant Cell, 2015, 27, 1332-1351.	6.6	143
27	Defining the developmental program leading to meiosis in maize. Science, 2019, 364, 52-56.	12.6	140
28	Effects of Cold-Treatment on Protein Synthesis and mRNA Levels in Rice Leaves. Plant Physiology, 1989, 91, 930-938.	4.8	138
29	Rapid transcriptome responses of maize (<i>Zea mays</i>) to UV-B in irradiated and shielded tissues. Genome Biology, 2004, 5, R16.	9.6	130
30	The plasticity of the plant genome—Is it a requirement for success?. Plant Molecular Biology Reporter, 1983, 1, 3-11.	1.8	128
31	Saturation mutagenesis using maize transposons. Current Opinion in Plant Biology, 2000, 3, 103-107.	7.1	127
32	On the life strategies of plants and animals. Trends in Genetics, 1985, 1, 165-169.	6.7	118
33	RNA processing and multiple transcription initiation sites result in transcript size heterogeneity in maize mitochondria. Molecular Genetics and Genomics, 1988, 211, 373-380.	2.4	116
34	[21] Electroporation of DNA and RNA into plant protoplasts. Methods in Enzymology, 1987, , 351-366.	1.0	110
35	Cloning of a Mutable <i>bz2</i> Allele of Maize by Transposon Tagging and Differential Hybridization. Genetics, 1987, 117, 771-776.	2.9	110
36	Sequence similarity of putative transposases links the maize Mutator autonomous element and a group of bacterial insertion sequences. Nucleic Acids Research, 1994, 22, 2634-2636.	14.5	107

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37	Regulation of Mu element copy number in maize lines with an active or inactive Mutator transposable element system. <i>Molecular Genetics and Genomics</i> , 1988, 211, 27-34.	2.4	105
38	Maize <i>multiple archesporial cells 1</i> (<i>mac1</i>), an ortholog of rice <i>TDL1A</i> , modulates cell proliferation and identity in early anther development. <i>Development (Cambridge)</i> , 2012, 139, 2594-2603.	2.5	102
39	Male reproductive development: gene expression profiling of maize anther and pollen ontogeny. <i>Genome Biology</i> , 2008, 9, R181.	9.6	101
40	STABLE NON-MUTATOR STOCKS OF MAIZE HAVE SEQUENCES HOMOLOGOUS TO THE Mu1 TRANSPOSABLE ELEMENT. <i>Genetics</i> , 1986, 114, 1007-1021.	2.9	101
41	Differential accumulation of maysin and rhamnosylisoorientin in leaves of high-altitude landraces of maize after UV-B exposure. <i>Plant, Cell and Environment</i> , 2005, 28, 788-799.	5.7	97
42	Comparison of RNA Expression Profiles Based on Maize Expressed Sequence Tag Frequency Analysis and Micro-Array Hybridization. <i>Plant Physiology</i> , 2002, 128, 896-910.	4.8	96
43	Post-transcriptional regulation in higher eukaryotes: The role of the reporter gene in controlling expression. <i>Molecular Genetics and Genomics</i> , 1991, 228, 258-264.	2.4	95
44	EVALUATING QUANTITATIVE VARIATION IN THE GENOME OF <i>ZEA MAYS</i> . <i>Genetics</i> , 1986, 113, 1009-1019.	2.9	94
45	Disease lesion mimics in maize. <i>Developmental Biology</i> , 1982, 93, 381-388.	2.0	88
46	Sources and consequences of phenotypic and genotypic plasticity in flowering plants. <i>Trends in Plant Science</i> , 1996, 1, 27-32.	8.8	88
47	Dicer-like 5 deficiency confers temperature-sensitive male sterility in maize. <i>Nature Communications</i> , 2020, 11, 2912.	12.8	83
48	Vacuolar uptake of the phytoalexin medicarpin by the glutathione conjugate pump. <i>Phytochemistry</i> , 1997, 45, 689-693.	2.9	81
49	Emergence and patterning of the five cell types of the Zea mays anther locule. <i>Developmental Biology</i> , 2011, 350, 32-49.	2.0	81
50	Histone Acetylation and Chromatin Remodeling Are Required for UV-B-Dependent Transcriptional Activation of Regulated Genes in Maize. <i>Plant Cell</i> , 2008, 20, 827-842.	6.6	80
51	Genome-wide analysis of high-altitude maize and gene knockdown stocks implicates chromatin remodeling proteins in response to UV-B. <i>Plant Journal</i> , 2006, 46, 613-627.	5.7	78
52	Virulence of the maize smut <i>Ustilago maydis</i> is shaped by organ-specific effectors. <i>Molecular Plant Pathology</i> , 2014, 15, 780-789.	4.2	78
53	Pre-Meiotic Anther Development: Cell Fate Specification and Differentiation. <i>Annual Review of Plant Biology</i> , 2016, 67, 365-395.	18.7	78
54	COMPARISON OF THE RESTRICTION ENDONUCLEASE DIGESTION PATTERNS OF MITOCHONDRIAL DNA FROM NORMAL AND MALE STERILE CYTOPLASMS OF <i>ZEA MAYS</i> L. <i>Genetics</i> , 1982, 102, 109-128.	2.9	76

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55	Nuclear Pre-mRNA Processing in Higher Plants. <i>Progress in Molecular Biology and Translational Science</i> , 1994, 47, 149-193.	1.9	75
56	Comparative profiling of the sense and antisense transcriptome of maize lines. <i>Genome Biology</i> , 2006, 7, R22.	9.6	75
57	Isolation and Characterization of a 1.7-kb Transposable Element from a Mutator Line of Maize. <i>Genetics</i> , 1987, 117, 297-307.	2.9	75
58	UV-B damage amplified by transposons in maize. <i>Nature</i> , 1999, 397, 398-399.	27.8	73
59	Crosslinking of Ribosomal Proteins to RNA in Maize Ribosomes by UV-B and Its Effects on Translation. <i>Plant Physiology</i> , 2004, 136, 3319-3332.	4.8	73
60	INHERITANCE OF MUTATOR ACTIVITY IN <i>ZEA MAYS</i> AS ASSAYED BY SOMATIC INSTABILITY OF THE <i>2-mu1</i> ALLELE. <i>Genetics</i> , 1986, 114, 1293-1312.	2.9	72
61	MS23, a master basic helix-loop-helix factor, regulates the specification and development of tapetum in maize. <i>Development (Cambridge)</i> , 2017, 144, 163-172.	2.5	71
62	Analysis of Leaf Proteome after UV-B Irradiation in Maize Lines Differing in Sensitivity. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1673-1685.	3.8	68
63	Regulation of cell divisions and differentiation by <i>MALE STERILITY32</i> is required for anther development in maize. <i>Plant Journal</i> , 2013, 76, 592-602.	5.7	68
64	Distinctive transcriptome responses to adverse environmental conditions in <i>Zea mays</i> L.. <i>Plant Biotechnology Journal</i> , 2008, 6, 782-798.	8.3	67
65	Genome-wide mutagenesis of <i>Zea mays</i> L. using RescueMu transposons. <i>Genome Biology</i> , 2004, 5, R82.	9.6	66
66	Addition of A- and U-rich sequence increases the splicing efficiency of a deleted form of a maize intron. <i>Plant Molecular Biology</i> , 1994, 24, 449-463.	3.9	65
67	U-richness is a defining feature of plant introns and may function as an intron recognition signal in maize. <i>Plant Molecular Biology</i> , 1998, 36, 573-583.	3.9	65
68	Transcriptomic, proteomic and metabolomic analysis of UV-B signaling in maize. <i>BMC Genomics</i> , 2011, 12, 321.	2.8	65
69	Regulated transcription of the maize <i>Bronze-2</i> promoter in electroporated protoplasts requires the C1 and R gene products. <i>Molecular Genetics and Genomics</i> , 1992, 233, 379-387.	2.4	64
70	Somatic and Germinal Mobility of the RescueMu Transposon in Transgenic Maize. <i>Plant Cell</i> , 2001, 13, 1587-1608.	6.6	60
71	Transient Gene Expression in Protoplasts of <i>Phaseolus vulgaris</i> Isolated from a Cell Suspension Culture. <i>Plant Physiology</i> , 1991, 95, 968-972.	4.8	59
72	The Late Developmental Pattern of Mu Transposon Excision Is Conferred by a Cauliflower Mosaic Virus 35S-Driven MURA cDNA in Transgenic Maize. <i>Plant Cell</i> , 2000, 12, 5-21.	6.6	59

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73	Expression and Post-Transcriptional Regulation of Maize Transposable Element MuDR and Its Derivatives. <i>Plant Cell</i> , 2001, 13, 553-570.	6.6	58
74	Translational Genomics for Bioenergy Production from Fuelstock Grasses: Maize as the Model Species. <i>Plant Cell</i> , 2007, 19, 2091-2094.	6.6	57
75	Reactivation of Mutator transposable elements of maize by ultraviolet light. <i>Molecular Genetics and Genomics</i> , 1992, 234, 353-360.	2.4	55
76	Transcriptome profiling of maize anthers using genetic ablation to analyze pre-meiotic and tapetal cell types. <i>Plant Journal</i> , 2007, 50, 637-648.	5.7	55
77	How to make a tumour: cell type specific dissection of <i>Ustilago maydis</i> induced tumour development in maize leaves. <i>New Phytologist</i> , 2018, 217, 1681-1695.	7.3	55
78	The male sterile 8 mutation of maize disrupts the temporal progression of the transcriptome and results in the mis-regulation of metabolic functions. <i>Plant Journal</i> , 2010, 63, 939-951.	5.7	51
79	Control Mechanisms for Plant Embryogeny. , 1978, , 113-166.		51
80	Visualizing mRNA Expression in Plant Protoplasts: Factors Influencing Efficient mRNA Uptake and Translation. <i>Plant Cell</i> , 1989, 1, 301.	6.6	50
81	Maize Male sterile 8 (Ms8), a putative β -1,3-galactosyltransferase, modulates cell division, expansion, and differentiation during early maize anther development. <i>Plant Reproduction</i> , 2013, 26, 329-338.	2.2	50
82	Cytological Characterization and Allelism Testing of Anther Developmental Mutants Identified in a Screen of Maize Male Sterile Lines. <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 231-249.	1.8	50
83	RNA metabolism during embryo development and germination of <i>Phaseolus vulgaris</i> . <i>Developmental Biology</i> , 1971, 26, 369-379.	2.0	49
84	Reactivation of the Mutator transposable element system following gamma irradiation of seed. <i>Molecular Genetics and Genomics</i> , 1988, 212, 259-264.	2.4	49
85	Somatic and Germinal Mobility of the <i>RescueMu</i> Transposon in Transgenic Maize. <i>Plant Cell</i> , 2001, 13, 1587-1608.	6.6	48
86	Maize germinal cell initials accommodate hypoxia and precociously express meiotic genes. <i>Plant Journal</i> , 2014, 77, 639-652.	5.7	47
87	The MuDR transposon terminal inverted repeat contains a complex plant promoter directing distinct somatic and germinal programs. <i>Plant Journal</i> , 2001, 25, 79-91.	5.7	46
88	Transcriptomes and Proteomes Define Gene Expression Progression in Pre-meiotic Maize Anthers. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 993-1010.	1.8	45
89	Evaluation of genomic variability at the nucleic acid level. <i>Plant Molecular Biology Reporter</i> , 1983, 1, 9-16.	1.8	44
90	Initiation of silencing of maize MuDR/Mu transposable elements. <i>Plant Journal</i> , 2003, 33, 1013-1025.	5.7	43

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91	Bronze-2 Gene Expression and Intron Splicing Patterns in Cells and Tissues of Zea mays L. <i>Plant Physiology</i> , 1992, 100, 464-471.	4.8	41
92	Identification in maize mitochondrial 26S rRNA of a short 5' end sequence possibly involved in transcription initiation and processing. <i>Current Genetics</i> , 1989, 15, 207-212.	1.7	40
93	A green chapter in the book of life. <i>Nature</i> , 2000, 408, 794-795.	27.8	40
94	MAIZE MITOCHONDRIAL PLASMID S-1 SEQUENCES SHARE HOMOLOGY WITH CHLOROPLAST GENE <i>psbA</i> . <i>Genetics</i> , 1986, 113, 469-482.	2.9	40
95	A combinatorial role for exon, intron and splice site sequences in splicing in maize. <i>Plant Journal</i> , 1997, 11, 1253-1263.	5.7	39
96	Comparative genomics of Arabidopsis and maize: prospects and limitations. <i>Genome Biology</i> , 2002, 3, reviews1005.1.	9.6	39
97	The Mutator Transposable Element Family of Maize. , 1991, 13, 1-37.		39
98	Progress in maize gene discovery: a project update. <i>Functional and Integrative Genomics</i> , 2003, 3, 25-32.	3.5	38
99	Functional Complementation of Anthocyanin Sequestration in the Vacuole by Widely Divergent Glutathione S-Transferases. <i>Plant Cell</i> , 1998, 10, 1135.	6.6	37
100	Germinal and somatic products of Mu1 excision from the Bronze-1 gene of Zea mays. <i>Molecular Genetics and Genomics</i> , 1991, 227, 267-76.	2.4	36
101	Genes, Genomes, Genomics. What Can Plant Biologists Expect from the 1998 National Science Foundation Plant Genome Research Program? <i>Plant Physiology</i> , 1999, 119, 1151-1156.	4.8	36
102	Rate of RNA synthesis and tRNA end-labeling during early development of Phaseolus. <i>Planta</i> , 1972, 108, 161-171.	3.2	35
103	Structure and expression of the rice mitochondrial apocytochrome b gene (cob-1) and pseudogene (cob-2). <i>Current Genetics</i> , 1992, 22, 463-470.	1.7	35
104	Developmental and genetic aspects of Mutator excision in maize. <i>Genesis</i> , 1989, 10, 520-531.	2.1	34
105	Mutator transposon activity reprograms the transcriptomes and proteomes of developing maize anthers. <i>Plant Journal</i> , 2009, 59, 622-633.	5.7	34
106	Co-transcription of orf25 and coxIII in rice mitochondria. <i>Current Genetics</i> , 1992, 21, 507-513.	1.7	33
107	ZmDB, an integrated database for maize genome research. <i>Nucleic Acids Research</i> , 2003, 31, 244-247.	14.5	33
108	Benzyladenine Reversal of Abscisic Acid Inhibition of Growth and RNA Synthesis in Germinating Bean Axes. <i>Plant Physiology</i> , 1975, 56, 575-578.	4.8	32

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109	PLASTID DEVELOPMENT IN IOJAP AND CHLOROPLAST MUTATOR AFFECTED MAIZE PLANTS. American Journal of Botany, 1983, 70, 940-950.	1.7	32
110	Gene-expression profile comparisons distinguish seven organs of maize. Genome Biology, 2002, 3, research0045.1.	9.6	32
111	Molecular analysis of the loss of somatic instability in the bz2::mu1 allele of maize. Molecular Genetics and Genomics, 1991, 229, 147-151.	2.4	31
112	Mutator transposon activation after UV-B involves chromatin remodeling. Epigenetics, 2010, 5, 352-363.	2.7	31
113	<i>Ustilago maydis</i> reprograms cell proliferation in maize anthers. Plant Journal, 2013, 75, 903-914.	5.7	31
114	Post-transcriptional regulation of expression of the Bronze2 gene of Zea mays L. Plant Molecular Biology, 2003, 53, 75-86.	3.9	30
115	The ribosomal fraction mediates the translational enhancement associated with the 5' leader of tobacco mosaic virus. Nucleic Acids Research, 1988, 16, 8675-8694.	14.5	29
116	PHENOTYPES MEDIATED BY THE IOJAP GENOTYPE IN MAIZE. American Journal of Botany, 1988, 75, 634-644.	1.7	29
117	Are we training pit bulls to review our manuscripts?. Journal of Biology, 2009, 8, 24.	2.7	29
118	Maize host requirements for <i>Ustilago maydis</i> tumor induction. Sexual Plant Reproduction, 2010, 23, 1-13.	2.2	29
119	Global transcriptome analysis of two ameiotic1 alleles in maize anthers: defining steps in meiotic entry and progression through prophase I. BMC Plant Biology, 2011, 11, 120.	3.6	29
120	CHH DNA methylation increases at 24 PHAS loci depend on 24 phased small interfering RNAs in maize meiotic anthers. New Phytologist, 2021, 229, 2984-2997.	7.3	29
121	Gametophyte genome activation occurs at pollen mitosis I in maize. Science, 2022, 375, 424-429.	12.6	29
122	Cloning and characterization of a linear 2.3 kb mitochondrial plasmid of maize. Molecular Genetics and Genomics, 1986, 205, 206-212.	2.4	28
123	Sense and antisense transcripts of the maize MuDR regulatory transposon localized by in situ hybridization. Plant Molecular Biology, 1997, 33, 23-36.	3.9	28
124	Prediction of splice sites in plant pre-mRNA from sequence properties. Journal of Molecular Biology, 1998, 276, 85-104.	4.2	28
125	Structural analysis of mature and dicistronic transcripts from the 18 S and 5 S ribosomal RNA genes of maize mitochondria. Journal of Molecular Biology, 1990, 213, 633-649.	4.2	27
126	Structure and regulation of the maize Bronze2 promoter. Plant Molecular Biology, 1996, 32, 599-609.	3.9	27

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127	Bronze-2 Gene of Maize: Reconstruction of a Wild-Type Allele and Analysis of Transcription and Splicing. <i>Plant Cell</i> , 1990, 2, 1039.	6.6	26
128	A simple and sensitive antibody-based method to measure UV-induced DNA damage in <i>Zea mays</i> . <i>Plant Molecular Biology Reporter</i> , 1993, 11, 230-236.	1.8	26
129	Genetic diversity contribution to errors in short oligonucleotide microarray analysis. <i>Plant Biotechnology Journal</i> , 2006, 4, 060615010054001-???	8.3	26
130	Unresolved issues in pre-meiotic anther development. <i>Frontiers in Plant Science</i> , 2014, 5, 347.	3.6	26
131	DNA methylation in the Alcohol dehydrogenase-1 gene of maize. <i>Plant Molecular Biology</i> , 1990, 15, 121-125.	3.9	25
132	10 Reasons to be Tantalized by the B73 Maize Genome. <i>PLoS Genetics</i> , 2009, 5, e1000723.	3.5	25
133	Sequence of the F ₀ -atpase proteolipid (atp9) gene from rice mitochondria. <i>Nucleic Acids Research</i> , 1990, 18, 370-370.	14.5	24
134	Organization of a 117-kb circular mitochondrial chromosome in IR36 rice. <i>Current Genetics</i> , 1993, 23, 248-254.	1.7	24
135	Pathogen Trojan Horse Delivers Bioactive Host Protein to Alter Maize Anther Cell Behavior in Situ. <i>Plant Cell</i> , 2018, 30, 528-542.	6.6	23
136	Sugar Partitioning between <i>Ustilago maydis</i> and Its Host <i>Zea mays</i> L during Infection. <i>Plant Physiology</i> , 2019, 179, 1373-1385.	4.8	23
137	Computational methods for gene annotation: the Arabidopsis genome. <i>Current Opinion in Biotechnology</i> , 2001, 12, 126-130.	6.6	22
138	Maize lines expressing RNAi to chromatin remodeling factors are similarly hypersensitive to UV-B radiation but exhibit distinct transcriptome responses. <i>Epigenetics</i> , 2008, 3, 216-229.	2.7	22
139	DNA synthesis in purified maize mitochondria. <i>Current Genetics</i> , 1986, 10, 631-637.	1.7	21
140	Transient gene expression after electroporation of protoplasts derived from embryogenic maize callus. <i>Plant Cell Reports</i> , 1989, 8, 144-147.	5.6	21
141	In vivo analysis of intron processing using splicing-dependent reporter gene assays. <i>Plant Molecular Biology</i> , 1994, 26, 1785-1795.	3.9	21
142	Regulation of Mutator Activities in Maize. , 1988, 47, 121-135.		21
143	An S1 episomal gene of maize mitochondria is expressed in male sterile and fertile plants of the S-type cytoplasm. <i>Molecular Genetics and Genomics</i> , 1988, 211, 386-392.	2.4	20
144	Transcriptomic, proteomic and metabolomic analysis of maize responses to UV-B. <i>Plant Signaling and Behavior</i> , 2011, 6, 1146-1153.	2.4	20

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145	Coordinated regulation of maize genes during increasing exposure to ultraviolet radiation: identification of ultraviolet-responsive genes, functional processes and associated potential promoter motifs. <i>Plant Biotechnology Journal</i> , 2007, 5, 677-695.	8.3	19
146	Chloroplasts in anther endothecium of <i>Zea mays</i> (Poaceae). <i>American Journal of Botany</i> , 2015, 102, 1931-1937.	1.7	19
147	Pre-meiotic anther development. <i>Current Topics in Developmental Biology</i> , 2019, 131, 239-256.	2.2	19
148	Sequence of the rice mitochondrial gene for apocytochrome b. <i>Nucleic Acids Research</i> , 1990, 18, 372-372.	14.5	18
149	Subcellular localization of MURA and MURB proteins encoded by the maize MuDR transposon. <i>Plant Molecular Biology</i> , 2002, 50, 599-611.	3.9	18
150	A low molecular weight proteome comparison of fertile and male sterile 8 anthers of <i>Zea mays</i> . <i>Plant Biotechnology Journal</i> , 2012, 10, 925-935.	8.3	18
151	A cascade of bHLH-regulated pathways programs maize anther development. <i>Plant Cell</i> , 2022, 34, 1207-1225.	6.6	17
152	RNA METABOLISM IN DEVELOPING COTYLEDONS OF PHASEOLUS VULGARIS*. <i>New Phytologist</i> , 1973, 72, 479-483.	7.3	16
153	Sequence of the rice mitochondrial gene for cytochrome oxidase subunit 3. <i>Nucleic Acids Research</i> , 1990, 18, 371-371.	14.5	16
154	Insertion of non-intron sequence into maize introns interferes with splicing. <i>Nucleic Acids Research</i> , 1992, 20, 5181-5187.	14.5	16
155	Chapter Fourteen Models for vacuolar sequestration of anthocyanins. <i>Recent Advances in Phytochemistry</i> , 2001, 35, 297-312.	0.5	16
156	Transgenerational conditioned male fertility of HD-ZIP IV transcription factor mutant ocl4: impact on 21-nt phasiRNA accumulation in pre-meiotic maize anthers. <i>Plant Reproduction</i> , 2021, 34, 117-129.	2.2	16
157	Test of the combinatorial model of intron recognition in a native maize gene. <i>Plant Molecular Biology</i> , 1999, 41, 637-644.	3.9	15
158	Understanding <i>Ustilago maydis</i> Infection of Multiple Maize Organs. <i>Journal of Fungi (Basel)</i> , 2022, 8, 1522.	3.5	15
159	24-nt phasiRNAs move from tapetal to meiotic cells in maize anthers. <i>New Phytologist</i> , 2022, 235, 488-501.	7.3	15
160	How plants cope with temperature stress. <i>BMC Biology</i> , 2011, 9, 79.	3.8	14
161	Transcriptionally Active MuDR, the Regulatory Element of the Mutator Transposable Element Family of <i>Zea mays</i> , Is Present in Some Accessions of the Mexican land race Zapalote chico. <i>Genetics</i> , 1998, 149, 329-346.	2.9	14
162	Properties of Mutable Alleles Recovered from Mutator Stocks of <i>Zea Mays</i> L.. <i>Stadler Genetics Symposia Series</i> , 1986, , 115-142.	0.0	13

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163	Rapid Maize Leaf and Immature Ear Responses to UV-B Radiation. <i>Frontiers in Plant Science</i> , 2011, 2, 33.	3.6	12
164	Phenotypes Mediated by the lojap Genotype in Maize. <i>American Journal of Botany</i> , 1988, 75, 634.	1.7	12
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