Thomas Peterson

List of Publications by Year in descending order

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49 papers	2,889 citations	236925 25 h-index	206112 48 g-index
54 all docs	54 docs citations	54 times ranked	2692 citing authors

#	Article	IF	Citations
1	The myb-homologous P gene controls phlobaphene pigmentation in maize floral organs by directly activating a flavonoid biosynthetic gene subset. Cell, 1994, 76, 543-553.	28.9	644
2	Benchmarking transposable element annotation methods for creation of a streamlined, comprehensive pipeline. Genome Biology, 2019, 20, 275.	8.8	579
3	A Segmental Gene Duplication Generated Differentially Expressed myb-Homologous Genes in Maize. Plant Cell, 2000, 12, 2311-2322.	6.6	110
4	Isolation and molecular analysis of the maize P locus. Molecular Genetics and Genomics, 1989, 219, 225-234.	2.4	109
5	TIR-Learner, a New Ensemble Method for TIR Transposable Element Annotation, Provides Evidence for Abundant New Transposable Elements in the Maize Genome. Molecular Plant, 2019, 12, 447-460.	8.3	90
6	Genome Rearrangements by Nonlinear Transposons in Maize. Genetics, 1999, 153, 1403-1410.	2.9	89
7	Transgene-Induced Silencing Identifies Sequences Involved in the Establishment of Paramutation of the Maize p1 Gene. Plant Cell, 2001, 13, 319-335.	6.6	87
8	A maize QTL for silk maysin levels contains duplicated Myb-homologous genes which jointly regulate flavone biosynthesis. Plant Molecular Biology, 2003, 52, 1-15.	3.9	80
9	Transposition of Reversed Ac Element Ends Generates Chromosome Rearrangements in Maize. Genetics, 2004, 167, 1929-1937.	2.9	80
10	Isolation and characterization of a maize gene encoding chalcone flavonone isomerase. Molecular Genetics and Genomics, 1994, 242, 1-8.	2.4	70
11	Complex structure of a maize Myb gene promoter: functional analysis in transgenic plants. Plant Journal, 2000, 22, 471-482.	5.7	69
12	Alternative Ac/Ds transposition induces major chromosomal rearrangements in maize. Genes and Development, 2009, 23, 755-765.	5.9	61
13	Tissue-specific patterns of a maize Myb transcription factor are epigenetically regulated. Plant Journal, 2001, 27, 467-478.	5.7	56
14	Transposition of Reversed Ac Element Ends Generates Novel Chimeric Genes in Maize. PLoS Genetics, 2006, 2, e164.	3.5	53
15	Comparative Structural and Functional Characterization of Sorghum and Maize Duplications Containing Orthologous Myb Transcription Regulators of 3-Deoxyflavonoid Biosynthesis. Plant Molecular Biology, 2006, 60, 185-199.	3.9	47
16	Genome Rearrangements in Maize Induced by Alternative Transposition of ReversedAc/DsTermini. Genetics, 2011, 188, 59-67.	2.9	47
17	Comparisons of Maize pericarp color1 Alleles Reveal Paralogous Gene Recombination and an Organ-Specific Enhancer Region. Plant Cell, 2005, 17, 903-914.	6.6	46
18	A Segmental Deletion Series Generated by Sister-Chromatid Transposition of Ac Transposable Elements in Maize. Genetics, 2005, 171, 333-344.	2.9	44

#	Article	IF	Citations
19	Generation of Tandem Direct Duplications by Reversed-Ends Transposition of Maize Ac Elements. PLoS Genetics, 2013, 9, e1003691.	3.5	43
20	Characterization of the regulatory elements of the maize P-rr gene by transient expression assays. Plant Molecular Biology, 1999, 39, 11-19.	3.9	41
21	Transposable Elements as Catalysts for Chromosome Rearrangements. Methods in Molecular Biology, 2011, 701, 315-326.	0.9	41
22	The Maize Unstable factor for orange1 Is a Dominant Epigenetic Modifier of a Tissue Specifically Silent Allele of pericarp color1. Genetics, 2003, 163, 1135-1146.	2.9	40
23	Epigenetic Modifications of Distinct Sequences of the p1 Regulatory Gene Specify Tissue-Specific Expression Patterns in Maize. Genetics, 2007, 175, 1059-1070.	2.9	35
24	Ac Insertion Site Affects the Frequency of Transposon-Induced Homologous Recombination at the Maize p1 Locus. Genetics, 2000, 156, 2007-2017.	2.9	30
25	Transformation of maize with the p1 transcription factor directs production of silk maysin, a corn earworm resistance factor, in concordance with a hierarchy of floral organ pigmentation. Plant Biotechnology Journal, 2005, 3, 225-235.	8.3	28
26	Spatial Configuration of Transposable ElementAcTermini Affects Their Ability to Induce Chromosomal Breakage in Maize Â. Plant Cell, 2010, 22, 744-754.	6.6	24
27	Hierarchical Patterns of Transgene Expression Indicate Involvement of Developmental Mechanisms in the Regulation of the Maize P1-rr Promoter. Genetics, 2000, 156, 839-846.	2.9	23
28	A Tutorial of EDTA: Extensive De Novo TE Annotator. Methods in Molecular Biology, 2021, 2250, 55-67.	0.9	22
29	Transposition-mediated DNA re-replication in maize. ELife, 2014, 3, e03724.	6.0	21
30	Functional analysis of two matrix attachment region (MAR) elements in transgenic maize plants. Transgenic Research, 2003, 12, 137-154.	2.4	20
31	A transgenic system for generation of transposon Ac/Ds-induced chromosome rearrangements in rice. Theoretical and Applied Genetics, 2012, 125, 1449-1462.	3.6	20
32	Transposon Ac/Ds -induced chromosomal rearrangements at the rice OsRLG5 locus. Nucleic Acids Research, 2011, 39, e149-e149.	14.5	19
33	Reversed end Ds element: a novel tool for chromosome engineering in Arabidopsis. Plant Molecular Biology, 2008, 68, 399-411.	3.9	14
34	Alternative Transposition Generates New Chimeric Genes and Segmental Duplications at the Maize p1 Locus. Genetics, 2015, 201, 925-935.	2.9	13
35	Genes and Small RNA Transcripts Exhibit Dosage-Dependent Expression Pattern in Maize Copy-Number Alterations. Genetics, 2016, 203, 1133-1147.	2.9	12
36	Small RNA-MediatedDe NovoSilencing ofAc/DsTransposons Is Initiated by Alternative Transposition in Maize. Genetics, 2020, 215, 393-406.	2.9	11

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37	Fusion of reverse-oriented Ds termini following abortive transposition in Arabidopsis: implications for the mechanism of Ac/Ds transposition. Plant Cell Reports, 2010, 29, 413-417.	5.6	9
38	Ectopic Expression of a Maize Gene Is Induced by Composite Insertions Generated Through Alternative Transposition. Genetics, 2020, 216, 1039-1049.	2.9	9
39	Isolation of Sequences Flanking Ac Insertion Sites by Ac Casting. Methods in Molecular Biology, 2013, 1057, 117-122.	0.9	8
40	Transposon-induced inversions activate gene expression in the maize pericarp. Genetics, 2021, 218, .	2.9	7
41	Gene Conversion Between Direct Noncoding Repeats Promotes Genetic and Phenotypic Diversity at a Regulatory Locus of Zea mays (L.). Genetics, 2006, 174, 753-762.	2.9	6
42	Evolutionary Impacts of Alternative Transposition. , 2018, , 113-130.		6
43	A Segmental Gene Duplication Generated Differentially Expressed myb-Homologous Genes in Maize. Plant Cell, 2000, 12, 2311.	6.6	4
44	Generation and Analysis of Transposon Ac/Ds-Induced Chromosomal Rearrangements in Rice Plants. Methods in Molecular Biology, 2016, 1469, 49-61.	0.9	4
45	Excision and reinsertion of Ac macrotransposons in maize. Genetics, 2022, 221, .	2.9	4
46	Rapid Detection of Transposon-Induced Genome Rearrangements. Methods in Molecular Biology, 2021, 2250, 131-139.	0.9	3
47	Transgene-Induced Silencing Identifies Sequences Involved in the Establishment of Paramutation of the Maize p1 Gene. Plant Cell, 2001, 13, 319.	6.6	2
48	Maize Transposon Storm Kicks up a White Cap. Genetics, 2017, 206, 87-89.	2.9	1
49	Survey of Natural and Transgenic Gene Markers Used to Monitor Transposon Activity. Methods in Molecular Biology, 2013, 1057, 43-58.	0.9	0