John F Doebley

List of Publications by Year
in descending order

92 papers	19,571 citations	28274 55 h-index	43889 91 g-index
97 all docs	97 docs citations	97 times ranked	12612 citing authors

#	Article	IF	Citations
1	A conserved genetic architecture among populations of the maize progenitor, teosinte, was radically altered by domestication. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	1
2	Domestication reshaped the genetic basis of inbreeding depression in a maize landrace compared to its wild relative, teosinte. PLoS Genetics, 2021, 17, e1009797.	3.5	5
3	The genetic architecture of the maize progenitor, teosinte, and how it was altered during maize domestication. PLoS Genetics, 2020, 16, e1008791.	3.5	27
4	The genome-wide dynamics of purging during selfing in maize. Nature Plants, 2019, 5, 980-990.	9.3	42
5	The genetic architecture of teosinte catalyzed and constrained maize domestication. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5643-5652.	7.1	59
6	Hybrid Decay: A Transgenerational Epigenetic Decline in Vigor and Viability Triggered in Backcross Populations of Teosinte with Maize. Genetics, 2019, 213, 143-160.	2.9	7
7	TeoNAM: A Nested Association Mapping Population for Domestication and Agronomic Trait Analysis in Maize. Genetics, 2019, 213, 1065-1078.	2.9	42
8	<i>ZmCCT9</i> enhances maize adaptation to higher latitudes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E334-E341.	7.1	210
9	Genome-wide Analysis of Transcriptional Variability in a Large Maize-Teosinte Population. Molecular Plant, 2018, 11, 443-459.	8.3	87
10	Construction of the third-generation Zea mays haplotype map. GigaScience, 2018, 7, 1-12.	6.4	191
11	Defining the Role of the MADS-Box Gene, Zea Agamous-like1, a Target of Selection During Maize Domestication. Journal of Heredity, 2018, 109, 333-338.	2.4	19
12	Stepwise cis-Regulatory Changes in ZCN8 Contribute to Maize Flowering-Time Adaptation. Current Biology, 2018, 28, 3005-3015.e4.	3.9	116
13	Selection During Maize Domestication Targeted a Gene Network Controlling Plant and Inflorescence Architecture. Genetics, 2017, 207, 755-765.	2.9	75
14	Fine Mapping of a QTL Associated with Kernel Row Number on Chromosome 1 of Maize. PLoS ONE, 2016, 11, e0150276.	2.5	30
15	A Gene for Genetic Background in <i>Zea mays</i>: Fine-Mapping <i>enhancer of teosinte branched1.2</i> to a YABBY Class Transcription Factor. Genetics, 2016, 204, 1573-1585.	2.9	15
16	Mapping Prolificacy QTL in Maize and Teosinte. Journal of Heredity, 2016, 107, 674-678.	2.4	2
17	Evidence That the Origin of Naked Kernels During Maize Domestication Was Caused by a Single Amino Acid Substitution in<i>tga1</i>. Genetics, 2015, 200, 965-974.	2.9	86
18	The Role of cis Regulatory Evolution in Maize Domestication. PLoS Genetics, 2014, 10, e1004745.	3.5	144

#	Article	IF	Citations
19	Defining the Role of prolamin-box binding factor1 Gene During Maize Domestication. Journal of Heredity, 2014, 105, 576-582.	2.4	17
20	Genetic Dissection of a Genomic Region with Pleiotropic Effects on Domestication Traits in Maize Reveals Multiple Linked QTL. Genetics, 2014, 198, 345-353.	2.9	34
21	From Many, One: Genetic Control of Prolificacy during Maize Domestication. PLoS Genetics, 2013, 9, e1003604.	3.5	111
22	<i>ZmCCT</i> and the genetic basis of day-length adaptation underlying the postdomestication spread of maize. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1913-21.	7.1	290
23	Megabase-Scale Inversion Polymorphism in the Wild Ancestor of Maize. Genetics, 2012, 191, 883-894.	2.9	94
24	Evidence for a Natural Allelic Series at the Maize Domestication Locus <i>teosinte branched1</i>. Genetics, 2012, 191, 951-958.	2.9	24
25	Parallel domestication of the Shattering1 genes in cereals. Nature Genetics, 2012, 44, 720-724.	21.4	401
26	Comparative population genomics of maize domestication and improvement. Nature Genetics, 2012, 44, 808-811.	21.4	816
27	The role of <i>teosinte glume architecture</i> (<i>tga1</i>) in coordinated regulation and evolution of grass glumes and inflorescence axes. New Phytologist, 2012, 193, 204-215.	7.3	34
28	Identification of a functional transposon insertion in the maize domestication gene tb1. Nature Genetics, 2011, 43, 1160-1163.	21.4	639
29	MADS-box genes of maize: frequent targets of selection during domestication. Genetical Research, 2011, 93, 65-75.	0.9	47
30	Genetic signals of origin, spread, and introgression in a large sample of maize landraces. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1088-1092.	7.1	357
31	<i>grassy tillers1</i> promotes apical dominance in maize and responds to shade signals in the grasses. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E506-12.	7.1	215
32	Do Large Effect QTL Fractionate? A Case Study at the Maize Domestication QTL<i>teosinte branched1</i>. Genetics, 2011, 188, 673-681.	2.9	85
33	Fine scale genetic structure in the wild ancestor of maize (<i>Zea mays</i>ssp.<i>parviglumis</i>). Molecular Ecology, 2010, 19, 1162-1173.	3.9	37
34	Using Association Mapping in Teosinte to Investigate the Function of Maize Selection-Candidate Genes. PLoS ONE, 2009, 4, e8227.	2.5	13
35	The Role of Regulatory Genes During Maize Domestication: Evidence From Nucleotide Polymorphism and Gene Expression. Genetics, 2008, 178, 2133-2143.	2.9	16
36	Population structure and genetic diversity of New World maize races assessed by DNA microsatellites. American Journal of Botany, 2008, 95, 1240-1253.	1.7	251

#	Article	IF	Citations
37	Linkage Mapping of Domestication Loci in a Large Maizeâ€"Teosinte Backcross Resource. Genetics, 2007, 177, 1915-1928.	2.9	97
38	Major Regulatory Genes in Maize Contribute to Standing Variation in Teosinte (Zea mays ssp.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	2.9	67
39	Unfallen Grains: How Ancient Farmers Turned Weeds into Crops. Science, 2006, 312, 1318-1319.	12.6	124
40	The Molecular Genetics of Crop Domestication. Cell, 2006, 127, 1309-1321.	28.9	1,701
41	A distant upstream enhancer at the maize domestication gene tb1 has pleiotropic effects on plant and inflorescent architecture. Nature Genetics, 2006, 38, 594-597.	21.4	389
42	Panzea: a database and resource for molecular and functional diversity in the maize genome. Nucleic Acids Research, 2006, 34, D752-D757.	14.5	89
43	Maize association population: a highâ€resolution platform for quantitative trait locus dissection. Plant Journal, 2005, 44, 1054-1064.	5.7	821
44	The origin of the naked grains of maize. Nature, 2005, 436, 714-719.	27.8	561
45	An Analysis of Genetic Diversity Across the Maize Genome Using Microsatellites. Genetics, 2005, 169, 1617-1630.	2.9	147
46	Estimating a Nucleotide Substitution Rate for Maize from Polymorphism at a Major Domestication Locus. Molecular Biology and Evolution, 2005, 22, 2304-2312.	8.9	82
47	Molecular Evolution of FLORICAULA/LEAFY Orthologs in the Andropogoneae (Poaceae). Molecular Biology and Evolution, 2005, 22, 1082-1094.	8.9	56
48	A Large-Scale Screen for Artificial Selection in Maize Identifies Candidate Agronomic Loci for Domestication and Crop Improvement. Plant Cell, 2005, 17, 2859-2872.	6.6	234
49	The Effects of Artificial Selection on the Maize Genome. Science, 2005, 308, 1310-1314.	12.6	742
50	Pattern of diversity in the genomic region near the maize domestication gene tb1. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 700-707.	7.1	294
51	The Inheritance and Evolution of Leaf Pigmentation and Pubescence in Teosinte. Genetics, 2004, 167, 1949-1959.	2.9	55
52	The Genetics of Maize Evolution. Annual Review of Genetics, 2004, 38, 37-59.	7.6	529
53	Duplicate FLORICAULA/LEAFY homologs zfl1 and zfl2 control inflorescence architecture and flower patterning in maize. Development (Cambridge), 2003, 130, 2385-2395.	2.5	222
54	Early Allelic Selection in Maize as Revealed by Ancient DNA. Science, 2003, 302, 1206-1208.	12.6	287

#	Article	IF	Citations
55	Genetic Structure and Diversity Among Maize Inbred Lines as Inferred From DNA Microsatellites. Genetics, 2003, 165, 2117-2128.	2.9	447
56	Rate and Pattern of Mutation at Microsatellite Loci in Maize. Molecular Biology and Evolution, 2002, 19, 1251-1260.	8.9	248
57	A single domestication for maize shown by multilocus microsatellite genotyping. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6080-6084.	7.1	1,143
58	Wheat, rye, and barley on the cob?. Nature Biotechnology, 2002, 20, 337-338.	17.5	29
59	MORPHOLOGICAL TRAITS DEFINING SPECIES DIFFERENCES IN WILD RELATIVES OF MAIZE ARE CONTROLLED BY MULTIPLE QUANTITATIVE TRAIT LOCI. Evolution; International Journal of Organic Evolution, 2002, 56, 273-283.	2.3	52
60	Genetic Variation for Phenotypically Invariant Traits Detected in Teosinte: Implications for the Evolution of Novel Forms. Genetics, 2002, 160, 333-342.	2.9	98
61	Expression Patterns and Mutant Phenotype of <i>teosinte branched1</i> Correlate With Growth Suppression in Maize and Teosinte. Genetics, 2002, 162, 1927-1935.	2.9	263
62	Genetic Evidence and the Origin of Maize. Latin American Antiquity, 2001, 12, 84-86.	0.6	39
63	Dwarf8 polymorphisms associate with variation in flowering time. Nature Genetics, 2001, 28, 286-289.	21.4	960
64	George Beadleâ€™s Other Hypothesis: One-Gene, One-Trait. Genetics, 2001, 158, 487-493.	2.9	26
65	The TCP domain: a motif found in proteins regulating plant growth and development. Plant Journal, 1999, 18, 215-222.	5.7	736
66	The limits of selection during maize domestication. Nature, 1999, 398, 236-239.	27.8	715
67	Epistatic and environmental interactions for quantitative trait loci involved in maize evolution. Genetical Research, 1999, 74, 291-302.	0.9	138
68	Meiotic Drive of Chromosomal Knobs Reshaped the Maize Genome. Genetics, 1999, 153, 415-426.	2.9	173
69	The Molecular Evolution of terminal ear1, a Regulatory Gene in the Genus Zea. Genetics, 1999, 153, 1455-1462.	2.9	91
70	Transcriptional Regulators and the Evolution of Plant Form. Plant Cell, 1998, 10, 1075-1082.	6.6	416
71	Developmental analysis of Teosinte glume architecture1 : a key locus in the evolution of maize (Poaceae). American Journal of Botany, 1997, 84, 1313-1322.	1.7	115
72	The evolution of apical dominance in maize. Nature, 1997, 386, 485-488.	27.8	1,404

#	Article	IF	Citations
73	Evolution of Anthocyanin Biosynthesis in Maize Kernels: The Role of Regulatory and Enzymatic Loci. Genetics, 1996, 143, 1395-1407.	2.9	144
74	S uppressor of sessile spikelets 1 (S osl): a dominant mutant affecting inflorescence development in maize. American Journal of Botany, 1995, 82, 571-577.	1.7	20
75	Suppressor of Sessile spikelets 1 (Sos1): A Dominant Mutant Affecting Inflorescence Development in Maize. American Journal of Botany, 1995, 82, 571.	1.7	6
76	Genetics, development and plant evolution. Current Opinion in Genetics and Development, 1993, 3, 865-872.	3.3	57
77	CHLOROPLAST DNA VARIATION AND THE PHYLOGENY OF HORDEUM (POACEAE). American Journal of Botany, 1992, 79, 576-584.	1.7	54
78	Chloroplast DNA diversity among wild and cultivated members of Cucurbita (Cucurbitaceae). Theoretical and Applied Genetics, 1992, 84-84, 859-865.	3.6	71
79	Chloroplast DNA Variation and the Phylogeny of Hordeum (Poaceae). American Journal of Botany, 1992, 79, 576.	1.7	32
80	EVOLUTIONARY ANALYSIS OF THE LARGE SUBUNIT OF CARBOXYLASE (rbcL) NUCLEOTIDE SEQUENCE AMONG THE GRASSES (GRAMINEAE). Evolution; International Journal of Organic Evolution, 1990, 44, 1097-1108.	2.3	153
81	Molecular Evidence and the Evolution of Maize. Economic Botany, 1990, 44, 6-27.	1.7	227
82	TRIPSACUM ANDERSONII IS A NATURAL HYBRID INVOLVING ZEA AND TRIPSACUM: MOLECULAR EVIDENCE. American Journal of Botany, 1990, 77, 722-726.	1.7	37
83	Tripsacum andersonii is a Natural Hybrid Involving Zea and Tripsacum: Molecular Evidence. American Journal of Botany, 1990, 77, 722.	1.7	19
84	ALLOZYME VARIATION IN OLD WORLD RACES OF SORGHUM BICOLOR (POACEAE). American Journal of Botany, 1989, 76, 247-255.	1.7	43
85	MOLECULAR EVIDENCE FOR A MISSING WILD RELATIVE OF MAIZE AND THE INTROGRESSION OF ITS CHLOROPLAST GENOME INTO <i>ZEA PERENNIS</i>. Evolution; International Journal of Organic Evolution, 1989, 43, 1555-1559.	2.3	74
86	Allozyme Variation in Old World Races of Sorghum bicolor (Poaceae). American Journal of Botany, 1989, 76, 247.	1.7	17
87	The origin of cornbelt maize: The isozyme evidence. Economic Botany, 1988, 42, 120-131.	1.7	95
88	EXCEPTIONAL GENETIC DIVERGENCE OF NORTHERN FLINT CORN. American Journal of Botany, 1986, 73, 64-69.	1.7	49
89	Exceptional Genetic Divergence of Northern Flint Corn. American Journal of Botany, 1986, 73, 64.	1.7	50
90	ISOZYME VARIATION IN THE RACES OF MAIZE FROM MEXICO. American Journal of Botany, 1985, 72, 629-639.	1.7	74

#	Article	IF	Citations
91	Isozyme Variation in the Races of Maize from Mexico. American Journal of Botany, 1985, 72, 629.	1.7	61
92	Maize Introgression Into Teosinte-A Reappraisal. Annals of the Missouri Botanical Garden, 1984, 71, 1100.	1.3	48