

John F Doebley

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7993117/publications.pdf>

Version: 2024-02-01

92
papers

19,571
citations

29994

54
h-index

53109

85
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, .	3.3	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.	1.5	5
3	The genetic architecture of the maize progenitor, teosinte, and how it was altered during maize domestication. PLoS Genetics, 2020, 16, e1008791.	1.5	27
4	The genome-wide dynamics of purging during selfing in maize. Nature Plants, 2019, 5, 980-990.	4.7	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.	3.3	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.	1.2	7
7	TeoNAM: A Nested Association Mapping Population for Domestication and Agronomic Trait Analysis in Maize. Genetics, 2019, 213, 1065-1078.	1.2	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.	3.3	210
9	Genome-wide Analysis of Transcriptional Variability in a Large Maize-Teosinte Population. Molecular Plant, 2018, 11, 443-459.	3.9	87
10	Construction of the third-generation Zea mays haplotype map. GigaScience, 2018, 7, 1-12.	3.3	191
11	Defining the Role of the MADS-Box Gene, <i>Zea Agamous-like1</i> , a Target of Selection During Maize Domestication. Journal of Heredity, 2018, 109, 333-338.	1.0	19
12	Stepwise cis-Regulatory Changes in ZCN8 Contribute to Maize Flowering-Time Adaptation. Current Biology, 2018, 28, 3005-3015.e4.	1.8	116
13	Selection During Maize Domestication Targeted a Gene Network Controlling Plant and Inflorescence Architecture. Genetics, 2017, 207, 755-765.	1.2	75
14	Fine Mapping of a QTL Associated with Kernel Row Number on Chromosome 1 of Maize. PLoS ONE, 2016, 11, e0150276.	1.1	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.	1.2	15
16	Mapping Prolificacy QTL in Maize and Teosinte. Journal of Heredity, 2016, 107, 674-678.	1.0	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.	1.2	86
18	The Role of cis Regulatory Evolution in Maize Domestication. PLoS Genetics, 2014, 10, e1004745.	1.5	144

#	ARTICLE	IF	CITATIONS
19	Defining the Role of prolamins-box binding factor1 Gene During Maize Domestication. <i>Journal of Heredity</i> , 2014, 105, 576-582.	1.0	17
20	Genetic Dissection of a Genomic Region with Pleiotropic Effects on Domestication Traits in Maize Reveals Multiple Linked QTL. <i>Genetics</i> , 2014, 198, 345-353.	1.2	34
21	From Many, One: Genetic Control of Prolificacy during Maize Domestication. <i>PLoS Genetics</i> , 2013, 9, e1003604.	1.5	111
22	<i>ZmCCT</i> and the genetic basis of day-length adaptation underlying the postdomestication spread of maize. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1913-21.	3.3	290
23	Megabase-Scale Inversion Polymorphism in the Wild Ancestor of Maize. <i>Genetics</i> , 2012, 191, 883-894.	1.2	94
24	Evidence for a Natural Allelic Series at the Maize Domestication Locus <i>teosinte branched1</i> . <i>Genetics</i> , 2012, 191, 951-958.	1.2	24
25	Parallel domestication of the <i>Shattering1</i> genes in cereals. <i>Nature Genetics</i> , 2012, 44, 720-724.	9.4	401
26	Comparative population genomics of maize domestication and improvement. <i>Nature Genetics</i> , 2012, 44, 808-811.	9.4	816
27	The role of <i>teosinte glume architecture</i> (<i>tga1</i>) in coordinated regulation and evolution of grass glumes and inflorescence axes. <i>New Phytologist</i> , 2012, 193, 204-215.	3.5	34
28	Identification of a functional transposon insertion in the maize domestication gene <i>tb1</i> . <i>Nature Genetics</i> , 2011, 43, 1160-1163.	9.4	639
29	MADS-box genes of maize: frequent targets of selection during domestication. <i>Genetical Research</i> , 2011, 93, 65-75.	0.3	47
30	Genetic signals of origin, spread, and introgression in a large sample of maize landraces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1088-1092.	3.3	357
31	<i>grassy tillers1</i> promotes apical dominance in maize and responds to shade signals in the grasses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E506-12.	3.3	215
32	Do Large Effect QTL Fractionate? A Case Study at the Maize Domestication QTL <i>teosinte branched1</i> . <i>Genetics</i> , 2011, 188, 673-681.	1.2	85
33	Fine scale genetic structure in the wild ancestor of maize (<i>Zea mays</i> ssp. <i>parviglumis</i>). <i>Molecular Ecology</i> , 2010, 19, 1162-1173.	2.0	37
34	Using Association Mapping in Teosinte to Investigate the Function of Maize Selection-Candidate Genes. <i>PLoS ONE</i> , 2009, 4, e8227.	1.1	13
35	The Role of Regulatory Genes During Maize Domestication: Evidence From Nucleotide Polymorphism and Gene Expression. <i>Genetics</i> , 2008, 178, 2133-2143.	1.2	16
36	Population structure and genetic diversity of New World maize races assessed by DNA microsatellites. <i>American Journal of Botany</i> , 2008, 95, 1240-1253.	0.8	251

#	ARTICLE	IF	CITATIONS
37	Linkage Mapping of Domestication Loci in a Large Maize Teosinte Backcross Resource. <i>Genetics</i> , 2007, 177, 1915-1928.	1.2	97
38	Major Regulatory Genes in Maize Contribute to Standing Variation in Teosinte (<i>Zea mays</i> ssp.) <i>Overlock</i> 10 Tf 50 702	1.2	67
39	Unfallen Grains: How Ancient Farmers Turned Weeds into Crops. <i>Science</i> , 2006, 312, 1318-1319.	6.0	124
40	The Molecular Genetics of Crop Domestication. <i>Cell</i> , 2006, 127, 1309-1321.	13.5	1,701
41	A distant upstream enhancer at the maize domestication gene <i>tb1</i> has pleiotropic effects on plant and inflorescent architecture. <i>Nature Genetics</i> , 2006, 38, 594-597.	9.4	389
42	Panzea: a database and resource for molecular and functional diversity in the maize genome. <i>Nucleic Acids Research</i> , 2006, 34, D752-D757.	6.5	89
43	Maize association population: a high-resolution platform for quantitative trait locus dissection. <i>Plant Journal</i> , 2005, 44, 1054-1064.	2.8	821
44	The origin of the naked grains of maize. <i>Nature</i> , 2005, 436, 714-719.	13.7	561
45	An Analysis of Genetic Diversity Across the Maize Genome Using Microsatellites. <i>Genetics</i> , 2005, 169, 1617-1630.	1.2	147
46	Estimating a Nucleotide Substitution Rate for Maize from Polymorphism at a Major Domestication Locus. <i>Molecular Biology and Evolution</i> , 2005, 22, 2304-2312.	3.5	82
47	Molecular Evolution of FLORICAULA/LEAFY Orthologs in the Andropogoneae (Poaceae). <i>Molecular Biology and Evolution</i> , 2005, 22, 1082-1094.	3.5	56
48	A Large-Scale Screen for Artificial Selection in Maize Identifies Candidate Agronomic Loci for Domestication and Crop Improvement. <i>Plant Cell</i> , 2005, 17, 2859-2872.	3.1	234
49	The Effects of Artificial Selection on the Maize Genome. <i>Science</i> , 2005, 308, 1310-1314.	6.0	742
50	Pattern of diversity in the genomic region near the maize domestication gene <i>tb1</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 700-707.	3.3	294
51	The Inheritance and Evolution of Leaf Pigmentation and Pubescence in Teosinte. <i>Genetics</i> , 2004, 167, 1949-1959.	1.2	55
52	The Genetics of Maize Evolution. <i>Annual Review of Genetics</i> , 2004, 38, 37-59.	3.2	529
53	Duplicate FLORICAULA/LEAFY homologs <i>zfl1</i> and <i>zfl2</i> control inflorescence architecture and flower patterning in maize. <i>Development (Cambridge)</i> , 2003, 130, 2385-2395.	1.2	222
54	Early Allelic Selection in Maize as Revealed by Ancient DNA. <i>Science</i> , 2003, 302, 1206-1208.	6.0	287

#	ARTICLE	IF	CITATIONS
55	Genetic Structure and Diversity Among Maize Inbred Lines as Inferred From DNA Microsatellites. <i>Genetics</i> , 2003, 165, 2117-2128.	1.2	447
56	Rate and Pattern of Mutation at Microsatellite Loci in Maize. <i>Molecular Biology and Evolution</i> , 2002, 19, 1251-1260.	3.5	248
57	A single domestication for maize shown by multilocus microsatellite genotyping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 6080-6084.	3.3	1,143
58	Wheat, rye, and barley on the cob?. <i>Nature Biotechnology</i> , 2002, 20, 337-338.	9.4	29
59	MORPHOLOGICAL TRAITS DEFINING SPECIES DIFFERENCES IN WILD RELATIVES OF MAIZE ARE CONTROLLED BY MULTIPLE QUANTITATIVE TRAIT LOCI. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 273-283.	1.1	52
60	Genetic Variation for Phenotypically Invariant Traits Detected in Teosinte: Implications for the Evolution of Novel Forms. <i>Genetics</i> , 2002, 160, 333-342.	1.2	98
61	Expression Patterns and Mutant Phenotype of <i>teosinte branched1</i> Correlate With Growth Suppression in Maize and Teosinte. <i>Genetics</i> , 2002, 162, 1927-1935.	1.2	263
62	Genetic Evidence and the Origin of Maize. <i>Latin American Antiquity</i> , 2001, 12, 84-86.	0.3	39
63	Dwarf8 polymorphisms associate with variation in flowering time. <i>Nature Genetics</i> , 2001, 28, 286-289.	9.4	960
64	George Beadle's Other Hypothesis: One-Gene, One-Trait. <i>Genetics</i> , 2001, 158, 487-493.	1.2	26
65	The TCP domain: a motif found in proteins regulating plant growth and development. <i>Plant Journal</i> , 1999, 18, 215-222.	2.8	736
66	The limits of selection during maize domestication. <i>Nature</i> , 1999, 398, 236-239.	13.7	715
67	Epistatic and environmental interactions for quantitative trait loci involved in maize evolution. <i>Genetical Research</i> , 1999, 74, 291-302.	0.3	138
68	Meiotic Drive of Chromosomal Knobs Reshaped the Maize Genome. <i>Genetics</i> , 1999, 153, 415-426.	1.2	173
69	The Molecular Evolution of terminal ear1, a Regulatory Gene in the Genus <i>Zea</i> . <i>Genetics</i> , 1999, 153, 1455-1462.	1.2	91
70	Transcriptional Regulators and the Evolution of Plant Form. <i>Plant Cell</i> , 1998, 10, 1075-1082.	3.1	416
71	Developmental analysis of Teosinte <i>glume architecture1</i> : a key locus in the evolution of maize (Poaceae). <i>American Journal of Botany</i> , 1997, 84, 1313-1322.	0.8	115
72	The evolution of apical dominance in maize. <i>Nature</i> , 1997, 386, 485-488.	13.7	1,404

#	ARTICLE	IF	CITATIONS
73	Evolution of Anthocyanin Biosynthesis in Maize Kernels: The Role of Regulatory and Enzymatic Loci. <i>Genetics</i> , 1996, 143, 1395-1407.	1.2	144
74	S uppressor of sessile spikelets 1 (S osl): a dominant mutant affecting inflorescence development in maize. <i>American Journal of Botany</i> , 1995, 82, 571-577.	0.8	20
75	Suppressor of sessile spikelets1 (Sosl): a dominant mutant affecting inflorescence development in maize. , 1995, 82, 571.		6
76	Genetics, development and plant evolution. <i>Current Opinion in Genetics and Development</i> , 1993, 3, 865-872.	1.5	57
77	CHLOROPLAST DNA VARIATION AND THE PHYLOGENY OF HORDEUM (POACEAE). <i>American Journal of Botany</i> , 1992, 79, 576-584.	0.8	54
78	Chloroplast DNA diversity among wild and cultivated members of Cucurbita (Cucurbitaceae). <i>Theoretical and Applied Genetics</i> , 1992, 84-84, 859-865.	1.8	71
79	CHLOROPLAST DNA VARIATION AND THE PHYLOGENY OF HORDEUM (POACEAE). , 1992, 79, 576.		32
80	EVOLUTIONARY ANALYSIS OF THE LARGE SUBUNIT OF CARBOXYLASE (rbcL) NUCLEOTIDE SEQUENCE AMONG THE GRASSES (GRAMINEAE). <i>Evolution; International Journal of Organic Evolution</i> , 1990, 44, 1097-1108.	1.1	153
81	Molecular Evidence and the Evolution of Maize. <i>Economic Botany</i> , 1990, 44, 6-27.	0.8	227
82	TRIPSACUM ANDERSONII IS A NATURAL HYBRID INVOLVING ZEA AND TRIPSACUM: MOLECULAR EVIDENCE. <i>American Journal of Botany</i> , 1990, 77, 722-726.	0.8	37
83	TRIPSACUM ANDERSONII IS A NATURAL HYBRID INVOLVING ZEA AND TRIPSACUM: MOLECULAR EVIDENCE. , 1990, 77, 722.		19
84	ALLOZYME VARIATION IN OLD WORLD RACES OF SORGHUM BICOLOR (POACEAE). <i>American Journal of Botany</i> , 1989, 76, 247-255.	0.8	43
85	MOLECULAR EVIDENCE FOR A MISSING WILD RELATIVE OF MAIZE AND THE INTROGRESSION OF ITS CHLOROPLAST GENOME INTO <i>ZEA PERENNIS</i>. <i>Evolution; International Journal of Organic Evolution</i> , 1989, 43, 1555-1559.	1.1	74
86	ALLOZYME VARIATION IN OLD WORLD RACES OF SORGHUM BICOLOR (POACEAE). , 1989, 76, 247.		17
87	The origin of cornbelt maize: The isozyme evidence. <i>Economic Botany</i> , 1988, 42, 120-131.	0.8	95
88	EXCEPTIONAL GENETIC DIVERGENCE OF NORTHERN FLINT CORN. <i>American Journal of Botany</i> , 1986, 73, 64-69.	0.8	49
89	EXCEPTIONAL GENETIC DIVERGENCE OF NORTHERN FLINT CORN. , 1986, 73, 64.		50
90	ISOZYME VARIATION IN THE RACES OF MAIZE FROM MEXICO. <i>American Journal of Botany</i> , 1985, 72, 629-639.	0.8	74

#	ARTICLE	IF	CITATIONS
91	ISOZYME VARIATION IN THE RACES OF MAIZE FROM MEXICO. , 1985, 72, 629.		61
92	Maize Introgression Into Teosinte-A Reappraisal. Annals of the Missouri Botanical Garden, 1984, 71, 1100.	1.3	48