

Erik Vollbrecht

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

3,793
citations

257450

24
h-index

552781

26
g-index

35
all docs

35
docs citations

35
times ranked

3500
citing authors

#	ARTICLE	IF	CITATIONS
1	The developmental gene Knotted-1 is a member of a maize homeobox gene family. <i>Nature</i> , 1991, 350, 241-243.	27.8	749
2	Architecture of floral branch systems in maize and related grasses. <i>Nature</i> , 2005, 436, 1119-1126.	27.8	348
3	Sequence analysis and expression patterns divide the maize knotted1-like homeobox genes into two classes.. <i>Plant Cell</i> , 1994, 6, 1877-1887.	6.6	318
4	ramosa2 Encodes a LATERAL ORGAN BOUNDARY Domain Protein That Determines the Fate of Stem Cells in Branch Meristems of Maize. <i>Plant Cell</i> , 2006, 18, 574-585.	6.6	296
5	thick tassel dwarf1 encodes a putative maize ortholog of the Arabidopsis CLAVATA1 leucine-rich repeat receptor-like kinase. <i>Development (Cambridge)</i> , 2005, 132, 1235-1245.	2.5	264
6	The maize W22 genome provides a foundation for functional genomics and transposon biology. <i>Nature Genetics</i> , 2018, 50, 1282-1288.	21.4	183
7	Cloning <i>Knotted</i> , the dominant morphological mutant in maize using <i>Ds2</i> as a transposon tag. <i>EMBO Journal</i> , 1989, 8, 15-22.	7.8	160
8	Regulatory modules controlling maize inflorescence architecture. <i>Genome Research</i> , 2014, 24, 431-443.	5.5	160
9	The control of axillary meristem fate in the maize <i>ramosa</i> pathway. <i>Development (Cambridge)</i> , 2010, 137, 2849-2856.	2.5	157
10	<i>FASCIATED EAR4</i> Encodes a bZIP Transcription Factor That Regulates Shoot Meristem Size in Maize. <i>Plant Cell</i> , 2015, 27, 104-120.	6.6	136
11	Maize <i>YABBY</i> Genes <i>drooping leaf1</i> and <i>drooping leaf2</i> Regulate Plant Architecture. <i>Plant Cell</i> , 2017, 29, 1622-1641.	6.6	128
12	Genome-Wide Distribution of Transposed <i>Dissociation</i> Elements in Maize \hat{A} . <i>Plant Cell</i> , 2010, 22, 1667-1685.	6.6	123
13	Heritable site-specific mutagenesis using <i>TALEN</i> s in maize. <i>Plant Biotechnology Journal</i> , 2015, 13, 1002-1010.	8.3	110
14	Maize-targeted mutagenesis: A knockout resource for maize. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11541-11546.	7.1	109
15	Ideal crop plant architecture is mediated by <i>tassels replace upper ears1</i> , a BTB/POZ ankyrin repeat gene directly targeted by TEOSINTE BRANCHED1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8656-E8664.	7.1	83
16	Discovery of novel transcripts and gametophytic functions via RNA-seq analysis of maize gametophytic transcriptomes. <i>Genome Biology</i> , 2014, 15, 414.	8.8	74
17	Evidence of selection at the <i>ramosa1</i> locus during maize domestication. <i>Molecular Ecology</i> , 2010, 19, 1296-1311.	3.9	62
18	The <i>naked endosperm</i> Genes Encode Duplicate INDETERMINATE Domain Transcription Factors Required for Maize Endosperm Cell Patterning and Differentiation \hat{A} . <i>Plant Physiology</i> , 2015, 167, 443-456.	4.8	58

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19	Deficiency analysis of female gametogenesis in maize. <i>Genesis</i> , 1995, 16, 44-63.	2.1	50
20	Regional mutagenesis using Dissociation in maize. <i>Methods</i> , 2009, 49, 248-254.	3.8	40
21	Fertility restoration of maize <i>CMS</i> altered by a single amino acid substitution within the <i>Rf4</i> <i>bHLH</i> transcription factor. <i>Plant Journal</i> , 2020, 101, 101-111.	5.7	35
22	High expression in maize pollen correlates with genetic contributions to pollen fitness as well as with coordinated transcription from neighboring transposable elements. <i>PLoS Genetics</i> , 2020, 16, e1008462.	3.5	30
23	Somatic Mutagenesis with a Sleeping Beauty Transposon System Leads to Solid Tumor Formation in Zebrafish. <i>PLoS ONE</i> , 2011, 6, e18826.	2.5	30
24	Amazing grass: developmental genetics of maize domestication. <i>Biochemical Society Transactions</i> , 2005, 33, 1502.	3.4	29
25	Maize <i>YABBY</i> genes <i>drooping leaf1</i> and <i>drooping leaf2</i> regulate floret development and floral meristem determinacy. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	28
26	Development of the Inflorescences. , 2009, , 13-40.		26
27	Sequence Analysis and Expression Patterns Divide the Maize knotted1-Like Homeobox Genes into Two Classes. <i>Plant Cell</i> , 1994, 6, 1877.	6.6	5
28	Title is missing!. , 2020, 16, e1008462.		0
29	Title is missing!. , 2020, 16, e1008462.		0
30	Title is missing!. , 2020, 16, e1008462.		0
31	Title is missing!. , 2020, 16, e1008462.		0
32	Title is missing!. , 2020, 16, e1008462.		0