

Jean-Michel Michno

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

942
citations

687363

13
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1484
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR/Cas mutagenesis of soybean and <i>Medicago truncatula</i> using a new web-tool and a modified Cas9 enzyme. <i>GM Crops and Food</i> , 2015, 6, 243-252.	3.8	162
2	<scp>CRISPR</scp>/Cas9 and <scp>TALEN</scp>s generate heritable mutations for genes involved in small <scp>RNA</scp> processing of <i>Glycine max</i> and <i>Medicago truncatula</i>. <i>Plant Biotechnology Journal</i> , 2018, 16, 1125-1137.	8.3	147
3	Integrating Coexpression Networks with GWAS to Prioritize Causal Genes in Maize. <i>Plant Cell</i> , 2018, 30, 2922-2942.	6.6	137
4	Genetic Architecture of Soybean Yield and Agronomic Traits. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 3367-3375.	1.8	98
5	Identical Substitutions in Magnesium Chelatase Paralogs Result in Chlorophyll-Deficient Soybean Mutants. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 123-131.	1.8	57
6	Genomic variation and DNA repair associated with soybean transgenesis: a comparison to cultivars and mutagenized plants. <i>BMC Biotechnology</i> , 2016, 16, 41.	3.3	54
7	Genome Resilience and Prevalence of Segmental Duplications Following Fast Neutron Irradiation of Soybean. <i>Genetics</i> , 2014, 198, 967-981.	2.9	53
8	Unraveling gene function in agricultural species using gene co-expression networks. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 53-63.	1.9	47
9	An Induced Chromosomal Translocation in Soybean Disrupts a <i>KASI</i> Ortholog and Is Associated with a High-Sucrose and Low-Oil Seed Phenotype. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 1215-1223.	1.8	42
10	Genome Editing in Soybean with CRISPR/Cas9. <i>Methods in Molecular Biology</i> , 2019, 1917, 217-234.	0.9	27
11	MicroRNA Maturation and MicroRNA Target Gene Expression Regulation Are Severely Disrupted in Soybean <i>dicer-like1</i> Double Mutants. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 423-433.	1.8	23
12	Evaluating an interspecific <i>Helianthus annuus</i> – <i>Helianthus tuberosus</i> population for use in a perennial sunflower breeding program. <i>Field Crops Research</i> , 2014, 155, 254-264.	5.1	21
13	Integration, abundance, and transmission of mutations and transgenes in a series of CRISPR/Cas9 soybean lines. <i>BMC Biotechnology</i> , 2020, 20, 10.	3.3	21
14	Identification and Fine-mapping of a Soybean Quantitative Trait Locus on Chromosome 5 Conferring Tolerance to Iron Deficiency Chlorosis. <i>Plant Genome</i> , 2019, 12, 190007.	2.8	14
15	Using multiple reference genomes to identify and resolve annotation inconsistencies. <i>BMC Genomics</i> , 2020, 21, 281.	2.8	10
16	Identification of Candidate Susceptibility Genes to <i>Puccinia graminis</i> f. sp. <i>tritici</i> in Wheat. <i>Frontiers in Plant Science</i> , 2021, 12, 657796.	3.6	10
17	The importance of genotype identity, genetic heterogeneity, and bioinformatic handling for properly assessing genomic variation in transgenic plants. <i>BMC Biotechnology</i> , 2018, 18, 38.	3.3	9
18	A bacterial gene <i>codA</i> encoding cytosine deaminase is an effective conditional negative selectable marker in <i>Glycine max</i> . <i>Plant Cell Reports</i> , 2015, 34, 1707-1716.	5.6	5

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19	Identification of nodulation-related genes in <i>Medicago truncatula</i> using genome-wide association studies and co-expression networks. <i>Plant Direct</i> , 2020, 4, e00220.	1.9	4