Maria Magallanes-Lundback

List of Publications by Year
in descending order

13	1,506	840776 11	1125743 13
papers	citations	h-index	g-index

15	15	15	2153
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genome-wide association identifies a missing hydrolase for tocopherol synthesis in plants. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	11
2	Combining GWAS and TWAS to identify candidate causal genes for tocochromanol levels in maize grain. Genetics, 2022, 221, .	2.9	15
3	Eleven biosynthetic genes explain the majority of natural variation in carotenoid levels in maize grain. Plant Cell, 2021, 33, 882-900.	6.6	31
4	Natural variation for carotenoids in fresh kernels is controlled by uncommon variants in sweet corn. Plant Genome, 2020, 13, e20008.	2.8	34
5	Genomeâ€Wide Association and Genomic Prediction Models of Tocochromanols in Fresh Sweet Corn Kernels. Plant Genome, 2019, 12, 180038.	2.8	37
6	MaizeÂw3Âdisrupts homogentisate solanesyl transferaseÂ(ZmHst) and reveals a plastoquinoneâ€9 independent path for phytoene desaturation and tocopherol accumulation in kernels. Plant Journal, 2018, 93, 799-813.	5.7	24
7	Novel Loci Underlie Natural Variation in Vitamin E Levels in Maize Grain. Plant Cell, 2017, 29, 2374-2392.	6.6	93
8	ZEAXANTHIN EPOXIDASE Activity Potentiates Carotenoid Degradation in Maturing Seed. Plant Physiology, 2016, 171, 1837-1851.	4.8	44
9	Metabolite Diversity in Alkaloid Biosynthesis: A Multilane (Diastereomer) Highway for Camptothecin Synthesis in Camptotheca acuminata. Plant Cell, 2016, 28, 1926-1944.	6.6	95
10	CAROTENOID CLEAVAGE DIOXYGENASE4Is a Negative Regulator of Î²-Carotene Content inArabidopsisSeeds. Plant Cell, 2014, 25, 4812-4826.	6.6	180
11	A Foundation for Provitamin A Biofortification of Maize: Genome-Wide Association and Genomic Prediction Models of Carotenoid Levels. Genetics, 2014, 198, 1699-1716.	2.9	180
12	The Arabidopsis LUT1 locus encodes a member of the cytochrome P450 family that is required for carotenoid Â-ring hydroxylation activity. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 402-407.	7.1	209
13	Vitamin E Is Essential for Seed Longevity and for Preventing Lipid Peroxidation during Germination. Plant Cell, 2004, 16, 1419-1432.	6.6	552