Isabelle M Henry

List of Publications by Year
in descending order

44 papers	2,924 citations	218677 26 h-index	265206 42 g-index
54 all docs	54 docs citations	54 times ranked	3559 citing authors

#	Article	IF	Citations
1	Reinvention of hermaphroditism via activation of a RADIALIS-like gene in hexaploid persimmon. Nature Plants, 2022, 8, 217-224.	9.3	21
2	Rare instances of haploid inducer DNA in potato dihaploids and ploidy-dependent genome instability. Plant Cell, 2021, 33, 2149-2163.	6.6	11
3	PL-4 (CIP596131.4): an Improved Potato Haploid Inducer. American Journal of Potato Research, 2021, 98, 255-262.	0.9	4
4	Efficient construction of a linkage map and haplotypes for Mentha suaveolens using sequence capture. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	1
5	Genetic Regulation of Vessel Morphology in Populus. Frontiers in Plant Science, 2021, 12, 705596.	3.6	4
6	Chromoanagenesis from radiation-induced genome damage in Populus. PLoS Genetics, 2021, 17, e1009735.	3.5	10
7	LD-CNV: rapid and simple discovery of chromosomal translocations using linkage disequilibrium between copy number variable loci. Genetics, 2021, 219, .	2.9	5
8	A systems genetics approach to deciphering the effect of dosage variation on leaf morphology in Populus. Plant Cell, 2021, 33, 940-960.	6.6	10
9	Diploid mint (M. longifolia) can produce spearmint type oil with a high yield potential. Scientific Reports, 2021, 11, 23521.	3.3	2
10	Genomic Outcomes of Haploid Induction Crosses in Potato (Solanum tuberosum L.). Genetics, 2020, 214, 369-380.	2.9	14
11	Genome-wide study on the polysomic genetic factors conferring plasticity of flower sexuality in hexaploid persimmon. DNA Research, 2020, 27, .	3.4	8
12	The persimmon genome reveals clues to the evolution of a lineage-specific sex determination system in plants. PLoS Genetics, 2020, 16, e1008566.	3.5	54
13	Two Y-chromosome-encoded genes determine sex in kiwifruit. Nature Plants, 2019, 5, 801-809.	9.3	148
14	A Y-Encoded Suppressor of Feminization Arose via Lineage-Specific Duplication of a Cytokinin Response Regulator in Kiwifruit. Plant Cell, 2018, 30, 780-795.	6.6	151
15	One Hundred Ways to Invent the Sexes: Theoretical and Observed Paths to Dioecy in Plants. Annual Review of Plant Biology, 2018, 69, 553-575.	18.7	78
16	Detection of Chromothripsis in Plants. Methods in Molecular Biology, 2018, 1769, 119-132.	0.9	8
17	Next-Generation Sequencing for Targeted Discovery of Rare Mutations in Rice. , 2017, , 323-340.		6
18	Significant enhancement of fatty acid composition in seeds of the allohexaploid, Camelina sativa, using <scp>CRISPR</scp>/Cas9 gene editing. Plant Biotechnology Journal, 2017, 15, 648-657.	8.3	285

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19	Epigenetic Regulation of the Sex Determination Gene MeGI in Polyploid Persimmon. Plant Cell, 2016, 28, 2905-2915.	6.6	97
20	Insights into thePrunus-Specific S-RNase-Based Self-Incompatibility System from a Genome-Wide Analysis of the Evolutionary Radiation ofSLocus-Related F-box Genes. Plant and Cell Physiology, 2016, 57, 1281-1294.	3.1	32
21	Rapid identification of lettuce seed germination mutants by bulked segregant analysis and whole genome sequencing. Plant Journal, 2016, 88, 345-360.	5.7	42
22	Creation and Genomic Analysis of Irradiation Hybrids in Populus. Current Protocols in Plant Biology, 2016, 1, 431-450.	2.8	4
23	Effectiveness of Sodium Azide Alone Compared to Sodium Azide in Combination with Methyl Nitrosurea for Rice Mutagenesis. Plant Breeding and Biotechnology, 2016, 4, 453-461.	0.9	8
24	A genome-wide analysis of Cas9 binding specificity using ChIP-seq and targeted sequence capture. Nucleic Acids Research, 2015, 43, 3389-3404.	14.5	193
25	A System for Dosage-Based Functional Genomics in Poplar. Plant Cell, 2015, 27, 2370-2383.	6.6	70
26	High-Throughput Analysis of T-DNA Location and Structure Using Sequence Capture. PLoS ONE, 2015, 10, e0139672.	2.5	34
27	Catastrophic chromosomal restructuring during genome elimination in plants. ELife, 2015, 4, .	6.0	104
28	The BOY NAMED SUE Quantitative Trait Locus Confers Increased Meiotic Stability to an Adapted Natural Allopolyploid of Arabidopsis. Plant Cell, 2014, 26, 181-194.	6.6	81
29	Efficient Genome-Wide Detection and Cataloging of EMS-Induced Mutations Using Exome Capture and Next-Generation Sequencing. Plant Cell, 2014, 26, 1382-1397.	6.6	277
30	A Y-chromosomeâ€“encoded small RNA acts as a sex determinant in persimmons. Science, 2014, 346, 646-650.	12.6	330
31	A haploid genetics toolbox for Arabidopsis thaliana. Nature Communications, 2014, 5, 5334.	12.8	100
32	Highly active zinc-finger nucleases by extended modular assembly. Genome Research, 2013, 23, 530-538.	5.5	88
33	Selection and validation of reference genes for quantitative RT-PCR expression studies of the non-model crop Musa. Molecular Breeding, 2012, 30, 1237-1252.	2.1	64
34	Rapid creation of Arabidopsis doubled haploid lines for quantitative trait locus mapping. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4227-4232.	7.1	68
35	Reference genome-independent assessment of mutation density using restriction enzyme-phased sequencing. BMC Genomics, 2012, 13, 72.	2.8	43
36	Structure and regulation of the Asr gene family in banana. Planta, 2011, 234, 785-798.	3.2	59

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37	Differential sensitivity of the Arabidopsis thaliana transcriptome and enhancers to the effects of genome doubling. New Phytologist, 2010, 186, 194-206.	7.3	39
38	Phenotypic Consequences of Aneuploidy inArabidopsis thaliana. Genetics, 2010, 186, 1231-1245.	2.9	103
39	Genetic Basis for Dosage Sensitivity in Arabidopsis thaliana. PLoS Genetics, 2007, 3, e70.	3.5	41
40	Molecular karyotyping and aneuploidy detection inArabidopsis thalianausing quantitative fluorescent polymerase chain reaction. Plant Journal, 2006, 48, 307-319.	5.7	41
41	Aneuploidy and Genetic Variation in the Arabidopsis thaliana Triploid Response. Genetics, 2005, 170, 1979-1988.	2.9	142
42	Genetic Basis for Dosage Sensitivity in A. thaliana. PLoS Genetics, 2005, preprint, e70.	3.5	0
43	Comparison of ESTs from juvenile and adult phases of the giant unicellular green alga Acetabularia acetabulum. BMC Plant Biology, 2004, 4, 3.	3.6	25
44	Precious Cells Contain Precious Information: Strategies and Pitfalls in Expression Analysis from a Few Cells. , 2003, 236, 59-78.		3