

# Isabelle M Henry

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5648203/publications.pdf>

Version: 2024-02-01

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	A Y-chromosome-encoded small RNA acts as a sex determinant in persimmons. <i>Science</i> , 2014, 346, 646-650.	12.6	330
2	Significant enhancement of fatty acid composition in seeds of the allohexaploid, <i>Camelina sativa</i> , using CRISPR/Cas9 gene editing. <i>Plant Biotechnology Journal</i> , 2017, 15, 648-657.	8.3	285
3	Efficient Genome-Wide Detection and Cataloging of EMS-Induced Mutations Using Exome Capture and Next-Generation Sequencing. <i>Plant Cell</i> , 2014, 26, 1382-1397.	6.6	277
4	A genome-wide analysis of Cas9 binding specificity using ChIP-seq and targeted sequence capture. <i>Nucleic Acids Research</i> , 2015, 43, 3389-3404.	14.5	193
5	A Y-Encoded Suppressor of Feminization Arose via Lineage-Specific Duplication of a Cytokinin Response Regulator in Kiwifruit. <i>Plant Cell</i> , 2018, 30, 780-795.	6.6	151
6	Two Y-chromosome-encoded genes determine sex in kiwifruit. <i>Nature Plants</i> , 2019, 5, 801-809.	9.3	148
7	Aneuploidy and Genetic Variation in the <i>Arabidopsis thaliana</i> Triploid Response. <i>Genetics</i> , 2005, 170, 1979-1988.	2.9	142
8	Catastrophic chromosomal restructuring during genome elimination in plants. <i>ELife</i> , 2015, 4, .	6.0	104
9	Phenotypic Consequences of Aneuploidy in <i>Arabidopsis thaliana</i> . <i>Genetics</i> , 2010, 186, 1231-1245.	2.9	103
10	A haploid genetics toolbox for <i>Arabidopsis thaliana</i> . <i>Nature Communications</i> , 2014, 5, 5334.	12.8	100
11	Epigenetic Regulation of the Sex Determination Gene <i>MeGI</i> in Polyploid Persimmon. <i>Plant Cell</i> , 2016, 28, 2905-2915.	6.6	97
12	Highly active zinc-finger nucleases by extended modular assembly. <i>Genome Research</i> , 2013, 23, 530-538.	5.5	88
13	The <i>BOY NAMED SUE</i> Quantitative Trait Locus Confers Increased Meiotic Stability to an Adapted Natural Allopolyploid of <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 181-194.	6.6	81
14	One Hundred Ways to Invent the Sexes: Theoretical and Observed Paths to Dioecy in Plants. <i>Annual Review of Plant Biology</i> , 2018, 69, 553-575.	18.7	78
15	A System for Dosage-Based Functional Genomics in Poplar. <i>Plant Cell</i> , 2015, 27, 2370-2383.	6.6	70
16	Rapid creation of <i>Arabidopsis</i> doubled haploid lines for quantitative trait locus mapping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4227-4232.	7.1	68
17	Selection and validation of reference genes for quantitative RT-PCR expression studies of the non-model crop <i>Musa</i> . <i>Molecular Breeding</i> , 2012, 30, 1237-1252.	2.1	64
18	Structure and regulation of the <i>Asr</i> gene family in banana. <i>Planta</i> , 2011, 234, 785-798.	3.2	59

#	ARTICLE	IF	CITATIONS
19	The persimmon genome reveals clues to the evolution of a lineage-specific sex determination system in plants. <i>PLoS Genetics</i> , 2020, 16, e1008566.	3.5	54
20	Reference genome-independent assessment of mutation density using restriction enzyme-phased sequencing. <i>BMC Genomics</i> , 2012, 13, 72.	2.8	43
21	Rapid identification of lettuce seed germination mutants by bulked segregant analysis and whole genome sequencing. <i>Plant Journal</i> , 2016, 88, 345-360.	5.7	42
22	Molecular karyotyping and aneuploidy detection in <i>Arabidopsis thaliana</i> using quantitative fluorescent polymerase chain reaction. <i>Plant Journal</i> , 2006, 48, 307-319.	5.7	41
23	Genetic Basis for Dosage Sensitivity in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2007, 3, e70.	3.5	41
24	Differential sensitivity of the <i>Arabidopsis thaliana</i> transcriptome and enhancers to the effects of genome doubling. <i>New Phytologist</i> , 2010, 186, 194-206.	7.3	39
25	High-Throughput Analysis of T-DNA Location and Structure Using Sequence Capture. <i>PLoS ONE</i> , 2015, 10, e0139672.	2.5	34
26	Insights into the <i>Prunus</i> -Specific S-RNase-Based Self-Incompatibility System from a Genome-Wide Analysis of the Evolutionary Radiation of <i>S</i> -Locus-Related F-box Genes. <i>Plant and Cell Physiology</i> , 2016, 57, 1281-1294.	3.1	32
27	Comparison of ESTs from juvenile and adult phases of the giant unicellular green alga <i>Acetabularia acetabulum</i> . <i>BMC Plant Biology</i> , 2004, 4, 3.	3.6	25
28	Reinvention of hermaphroditism via activation of a RADIALIS-like gene in hexaploid persimmon. <i>Nature Plants</i> , 2022, 8, 217-224.	9.3	21
29	Genomic Outcomes of Haploid Induction Crosses in Potato ( <i>Solanum tuberosum</i> L.). <i>Genetics</i> , 2020, 214, 369-380.	2.9	14
30	Rare instances of haploid inducer DNA in potato dihaploids and ploidy-dependent genome instability. <i>Plant Cell</i> , 2021, 33, 2149-2163.	6.6	11
31	Chromoanagenesis from radiation-induced genome damage in <i>Populus</i> . <i>PLoS Genetics</i> , 2021, 17, e1009735.	3.5	10
32	A systems genetics approach to deciphering the effect of dosage variation on leaf morphology in <i>Populus</i> . <i>Plant Cell</i> , 2021, 33, 940-960.	6.6	10
33	Detection of Chromothripsis in Plants. <i>Methods in Molecular Biology</i> , 2018, 1769, 119-132.	0.9	8
34	Genome-wide study on the polysomic genetic factors conferring plasticity of flower sexuality in hexaploid persimmon. <i>DNA Research</i> , 2020, 27, .	3.4	8
35	Effectiveness of Sodium Azide Alone Compared to Sodium Azide in Combination with Methyl Nitrosurea for Rice Mutagenesis. <i>Plant Breeding and Biotechnology</i> , 2016, 4, 453-461.	0.9	8
36	Next-Generation Sequencing for Targeted Discovery of Rare Mutations in Rice. , 2017, , 323-340.		6

#	ARTICLE	IF	CITATIONS
37	LD-CNV: rapid and simple discovery of chromosomal translocations using linkage disequilibrium between copy number variable loci. <i>Genetics</i> , 2021, 219, .	2.9	5
38	Creation and Genomic Analysis of Irradiation Hybrids in <i>Populus</i> . <i>Current Protocols in Plant Biology</i> , 2016, 1, 431-450.	2.8	4
39	PL-4 (CIP596131.4): an Improved Potato Haploid Inducer. <i>American Journal of Potato Research</i> , 2021, 98, 255-262.	0.9	4
40	Genetic Regulation of Vessel Morphology in <i>Populus</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 705596.	3.6	4
41	Precious Cells Contain Precious Information: Strategies and Pitfalls in Expression Analysis from a Few Cells. , 2003, 236, 59-78.		3
42	Diploid mint ( <i>M. longifolia</i> ) can produce spearmint type oil with a high yield potential. <i>Scientific Reports</i> , 2021, 11, 23521.	3.3	2
43	Efficient construction of a linkage map and haplotypes for <i>Mentha suaveolens</i> using sequence capture. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	1
44	Genetic Basis for Dosage Sensitivity in <i>A. thaliana</i> . <i>PLoS Genetics</i> , 2005, preprint, e70.	3.5	0