Eric Jenczewski

List of Publications by Year
in descending order

43 papers	3,410 citations	159585 30 h-index	289244 40 g-index
46 all docs	46 docs citations	46 times ranked	2970 citing authors

#	Article	IF	Citations
1	The Molecular Biology of Meiosis in Plants. Annual Review of Plant Biology, 2015, 66, 297-327.	18.7	494
2	The first meiosis of resynthesized <i>Brassica napus</i>, a genome blender. New Phytologist, 2010, 186, 102-112.	7.3	267
3	<i>PrBn</i>, a Major Gene Controlling Homeologous Pairing in Oilseed Rape (<i>Brassica napus</i>) Haploids. Genetics, 2003, 164, 645-653.	2.9	164
4	Analysis of Population Structure in Autotetraploid Species. Genetics, 1998, 150, 921-930.	2.9	161
5	Genetic regulation of meiosis in polyploid species: new insights into an old question. New Phytologist, 2010, 186, 29-36.	7.3	146
6	Insight on segregation distortions in two intraspecific crosses between annual species of Medicago (Leguminosae). Theoretical and Applied Genetics, 1997, 94, 682-691.	3.6	145
7	Brassica oleracea displays a high level of DNA methylation polymorphism. Plant Science, 2008, 174, 61-70.	3.6	137
8	Pairing and recombination at meiosis of Brassica rapa (AA) Ã— Brassica napus (AACC) hybrids. Theoretical and Applied Genetics, 2006, 113, 1467-1480.	3.6	133
9	Mutations in AtPS1 (Arabidopsis thaliana Parallel Spindle 1) Lead to the Production of Diploid Pollen Grains. PLoS Genetics, 2008, 4, e1000274.	3.5	125
10	Homeologous Recombination Plays a Major Role in Chromosome Rearrangements That Occur During Meiosis of <i>Brassica napus</i> Haploids. Genetics, 2007, 175, 487-503.	2.9	122
11	Genetic Regulation of Meiotic Cross-Overs between Related Genomes in<i>Brassica napus</i>Haploids and Hybrids Â. Plant Cell, 2009, 21, 373-385.	6.6	106
12	Crop-to-wild gene flow, introgression and possible fitness effects of transgenes. Environmental Biosafety Research, 2003, 2, 9-24.	1.1	99
13	From Diploids to Allopolyploids: The Emergence of Efficient Pairing Control Genes in Plants. Critical Reviews in Plant Sciences, 2004, 23, 21-45.	5.7	96
14	Polyploid formation pathways have an impact on genetic rearrangements in resynthesized <i>Brassica napus</i>. New Phytologist, 2011, 191, 884-894.	7.3	96
15	Homoeologous exchanges cause extensive dosageâ€dependent gene expression changes in an allopolyploid crop. New Phytologist, 2018, 217, 367-377.	7.3	87
16	Trigenomic Bridges for<i>Brassica</i>Improvement. Critical Reviews in Plant Sciences, 2011, 30, 524-547.	5.7	83
17	Autopolyploidy in cabbage (Brassica oleracea L.) does not alter significantly the proteomes of green tissues. Proteomics, 2005, 5, 2131-2139.	2.2	78
18	Homoeologous Chromosome Sorting and Progression of Meiotic Recombination in<i>Brassica napus</i>: Ploidy Does Matter!. Plant Cell, 2014, 26, 1448-1463.	6.6	72

#	Article	IF	Citations
19	Meiotic Gene Evolution: Can You Teach a New Dog New Tricks?. Molecular Biology and Evolution, 2014, 31, 1724-1727.	8.9	71
20	Mapping <i>PrBn</i> and Other Quantitative Trait Loci Responsible for the Control of Homeologous Chromosome Pairing in Oilseed Rape (<i>Brassica napus</i> L.) Haploids. Genetics, 2006, 174, 1583-1596.	2.9	70
21	Repeated Polyploidy Drove Different Levels of Crossover Suppression between Homoeologous Chromosomes in<i>Brassica napus</i>Allohaploids Â. Plant Cell, 2010, 22, 2265-2276.	6.6	68
22	Crossovers Get a Boost in<i>Brassica</i>Allotriploid and Allotetraploid Hybrids. Plant Cell, 2010, 22, 2253-2264.	6.6	67
23	Evidence for gene flow between wild and cultivated Medicago sativa (Leguminosae)based on allozyme markers andquantitative traits. American Journal of Botany, 1999, 86, 677-687.	1.7	66
24	Differentiation between natural and cultivated populations of Medicago sativa (Leguminosae) from Spain: analysis with random amplified polymorphic DNA (RAPD) markers and comparison to allozymes. Molecular Ecology, 1999, 8, 1317-1330.	3.9	65
25	Focus on polyploidy. New Phytologist, 2010, 186, 1-4.	7.3	60
26	Reducing MSH4 copy number prevents meiotic crossovers between non-homologous chromosomes in Brassica napus. Nature Communications, 2019, 10, 2354.	12.8	58
27	Crossover rate between homologous chromosomes and interference are regulated by the addition of specific unpaired chromosomes in <i><scp>B</scp>rassica</i>. New Phytologist, 2014, 201, 645-656.	7.3	45
28	Nonâ€random distribution of extensive chromosome rearrangements in <i>Brassica napus</i> depends on genome organization. Plant Journal, 2012, 70, 691-703.	5.7	43
29	FANCM Limits Meiotic Crossovers in Brassica Crops. Frontiers in Plant Science, 2018, 9, 368.	3.6	41
30	Morphologic and Agronomic Diversity of Wild Genetic Resources of Medicago sativa L. Collected in Spain. Genetic Resources and Crop Evolution, 2006, 53, 843-856.	1.6	35
31	Modelling Sex-Specific Crossover Patterning in<i>Arabidopsis</i>. Genetics, 2019, 211, 847-859.	2.9	22
32	Assessing the Response of Small RNA Populations to Allopolyploidy Using Resynthesized Brassica napus Allotetraploids. Molecular Biology and Evolution, 2019, 36, 709-726.	8.9	22
33	Repetitive sequence-derived markers tag centromeres and telomeres and provide insights into chromosome evolution in Brassica napus. Chromosome Research, 2008, 16, 683-700.	2.2	19
34	Contrasting patterns of genetic diversity in neutral markers and agromorphological traits in wild and cultivated populations of Medicago sativa L. from Spain. Genetics Selection Evolution, 1998, 30, 1.	3.0	9
35	Gene Introgression in Weeds Depends on Initial Gene Location in the Crop: <i>Brassica napus</i>â€“<i>Raphanus raphanistrum</i> Model. Genetics, 2017, 206, 1361-1372.	2.9	9
36	Homoeologous exchanges in allopolyploids: how Brassica napus established selfâ€control!. New Phytologist, 2021, 229, 3041-3043.	7.3	7

#	Article	IF	Citations
37	Gene Flow from Oilseed Rape to Weedy Species. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2003, 53, 22-25.	0.6	5
38	Cytogenetics, a Science Linking Genomics and Breeding: The Brassica Model. Compendium of Plant Genomes, 2018, , 21-39.	0.5	4
39	Evolution: He Who Grabs Too MuchÂLoses All. Current Biology, 2013, 23, R961-R963.	3.9	2
40	Meiosis: Recombination and the Control of Cell Division. , 2013, , 121-136.		1
41	Polyploidy and genome evolution. Annals of Botany, 2014, 113, vii-viii.	2.9	1
42	Moving to and fro between Arabidopsis and its crop relatives confirms the role of chromosome remodelling on meiotic recombination. Journal of Experimental Botany, 2021, 72, 2811-2813.	4.8	0
43	Identifying and Isolating Meiotic Mutants in a Polyploid Brassica Crop. Methods in Molecular Biology, 2020, 2061, 303-318.	0.9	0