

# Jaroslav Dolezel

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

405  
papers

22,942  
citations

69  
h-index

140  
g-index

433  
ext. papers

28,887  
ext. citations

6.5  
avg, IF

6.54  
L-index

#	Paper	IF	Citations
405	Fine structure and transcription dynamics of bread wheat ribosomal DNA loci deciphered by a multi-omics approach.. <i>Plant Genome</i> , <b>2022</b> , e20191	4.4	0
404	<i>Aegilops sharonensis</i> genome-assisted identification of stem rust resistance gene Sr62.. <i>Nature Communications</i> , <b>2022</b> , 13, 1607	17.4	2
403	Genomic sequencing of <i>Thinopyrum elongatum</i> chromosome arm 7EL, carrying fusarium head blight resistance, and characterization of its impact on the transcriptome of the introgressed line CS-7EL.. <i>BMC Genomics</i> , <b>2022</b> , 23, 228	4.5	1
402	Chromosome evolution and the genetic basis of agronomically important traits in greater yam.. <i>Nature Communications</i> , <b>2022</b> , 13, 2001	17.4	2
401	Karyotype Differentiation in Cultivated Chickpea Revealed by Oligopainting Fluorescence Hybridization.. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 791303	6.2	0
400	Rye Cytogenetics and Chromosome Genomics. <i>Compendium of Plant Genomes</i> , <b>2021</b> , 43-62	0.8	0
399	Dynamics of endoreduplication in developing barley seeds. <i>Journal of Experimental Botany</i> , <b>2021</b> , 72, 268-282	7	4
398	Chromosome-scale genome assembly provides insights into rye biology, evolution and agronomic potential. <i>Nature Genetics</i> , <b>2021</b> , 53, 564-573	36.3	35
397	Molecular organization of recombinant human-Arabidopsis chromosomes in hybrid cell lines. <i>Scientific Reports</i> , <b>2021</b> , 11, 7160	4.9	0
396	Wheat Pm4 resistance to powdery mildew is controlled by alternative splice variants encoding chimeric proteins. <i>Nature Plants</i> , <b>2021</b> , 7, 327-341	11.5	16
395	Long-range assembly of sequences helps to unravel the genome structure and small variation of the wheat-Haynaldia villosa translocated chromosome 6VS.6AL. <i>Plant Biotechnology Journal</i> , <b>2021</b> , 19, 1567-1578	11.6	3
394	Subtelomeric assembly of a multi-gene pathway for antimicrobial defense compounds in cereals. <i>Nature Communications</i> , <b>2021</b> , 12, 2563	17.4	12
393	Sequence of the supernumerary B chromosome of maize provides insight into its drive mechanism and evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	8
392	Development of DNA Markers From Physically Mapped Loci in and Using Single-Gene FISH and Chromosome Sequences. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 689031	6.2	2
391	The pangenome of banana highlights differences between genera and genomes. <i>Plant Genome</i> , <b>2021</b> , e20100	4.4	10
390	Direct evidence for crossover and chromatid interference in meiosis of two plant hybrids ( <i>Lolium multiflorum</i> × <i>Bestuca pratensis</i> and <i>Allium cepa</i> × <i>A. roylei</i> ). <i>Journal of Experimental Botany</i> , <b>2021</b> , 72, 254-267	7	3
389	Multiple origins of Indian dwarf wheat by mutations targeting the TREE domain of a GSK3-like kinase for drought tolerance, phosphate uptake, and grain quality. <i>Theoretical and Applied Genetics</i> , <b>2021</b> , 134, 633-645	6	3

388	Impact of parasitic lifestyle and different types of centromere organization on chromosome and genome evolution in the plant genus <i>Cuscuta</i> . <i>New Phytologist</i> , <b>2021</b> , 229, 2365-2377	9.8	12
387	Kinetics of DNA Repair in Meristem Regeneration Following Replication Stress. <i>Cells</i> , <b>2021</b> , 10,	7.9	3
386	Chromosome genomics uncovers plant genome organization and function. <i>Biotechnology Advances</i> , <b>2021</b> , 46, 107659	17.8	8
385	A membrane-bound ankyrin repeat protein confers race-specific leaf rust disease resistance in wheat. <i>Nature Communications</i> , <b>2021</b> , 12, 956	17.4	11
384	Chromosome analysis and sorting. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2021</b> , 99, 328-342	4.6	5
383	A high-quality genome assembly highlights rye genomic characteristics and agronomically important genes. <i>Nature Genetics</i> , <b>2021</b> , 53, 574-584	36.3	31
382	Reciprocal allopolyploid grasses ( <i>Festuca</i> [ <i>Lolium</i> ]) display stable patterns of genome dominance. <i>Plant Journal</i> , <b>2021</b> , 107, 1166-1182	6.9	3
381	Reference standards for flow cytometric estimation of absolute nuclear DNA content in plants. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2021</b> ,	4.6	6
380	Targeted Sequencing of the Short Arm of Chromosome 6V of a Wheat Relative <i>Haynaldia villosa</i> for Marker Development and Gene Mining. <i>Agronomy</i> , <b>2021</b> , 11, 1695	3.6	0
379	Proteome Analysis of Condensed Barley Mitotic Chromosomes. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 723674	7.4	0
378	Telomere-to-telomere gapless chromosomes of banana using nanopore sequencing. <i>Communications Biology</i> , <b>2021</b> , 4, 1047	6.7	9
377	Cytological and Molecular Characterization for Ploidy Determination in Yams ( <i>Dioscorea</i> spp.). <i>Agronomy</i> , <b>2021</b> , 11, 1897	3.6	2
376	Development of oligonucleotide probes for FISH karyotyping in <i>Haynaldia villosa</i> , a wild relative of common wheat. <i>Crop Journal</i> , <b>2020</b> , 8, 676-681	4.6	2
375	Comparative analyses of DNA repeats and identification of a novel <i>Fesreba</i> centromeric element in fescues and ryegrasses. <i>BMC Plant Biology</i> , <b>2020</b> , 20, 280	5.3	5
374	A flow cytometry-based analysis to establish a cell cycle synchronization protocol for <i>Saccharum</i> spp. <i>Scientific Reports</i> , <b>2020</b> , 10, 5016	4.9	1
373	Mitotic chromosome organization: General rules meet species-specific variability. <i>Computational and Structural Biotechnology Journal</i> , <b>2020</b> , 18, 1311-1319	6.8	8
372	Comparative analysis of chromosome 2A molecular organization in diploid and hexaploid wheat. <i>Molecular Biology Reports</i> , <b>2020</b> , 47, 1991-2003	2.8	1
371	Stem rust resistance in wheat is suppressed by a subunit of the mediator complex. <i>Nature Communications</i> , <b>2020</b> , 11, 1123	17.4	18

370	The improved assembly of 7DL chromosome provides insight into the structure and evolution of bread wheat. <i>Plant Biotechnology Journal</i> , <b>2020</b> , 18, 732-742	11.6	3
369	<i>Aegilops umbellulata</i> introgression carrying leaf rust and stripe rust resistance genes Lr76 and Yr70 located to 9.47-Mb region on 5DS telomeric end through a combination of chromosome sorting and sequencing. <i>Theoretical and Applied Genetics</i> , <b>2020</b> , 133, 903-915	6	10
368	Structural Variations Affecting Genes and Transposable Elements of Chromosome 3B in Wheats. <i>Frontiers in Genetics</i> , <b>2020</b> , 11, 891	4.5	8
367	Chromosome Painting in Cultivated Bananas and Their Wild Relatives ( spp.) Reveals Differences in Chromosome Structure. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	8
366	DNA replication and chromosome positioning throughout the interphase in three-dimensional space of plant nuclei. <i>Journal of Experimental Botany</i> , <b>2020</b> , 71, 6262-6272	7	6
365	Fonio millet genome unlocks African orphan crop diversity for agriculture in a changing climate. <i>Nature Communications</i> , <b>2020</b> , 11, 4488	17.4	24
364	encodes a prolamin-box-binding transcription factor that controls embryo growth in barley and wheat. <i>Journal of Cereal Science</i> , <b>2020</b> , 93, 102965	3.8	5
363	Functional Divergence of Microtubule-Associated TPX2 Family Members in. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	5
362	A reference genome for pea provides insight into legume genome evolution. <i>Nature Genetics</i> , <b>2019</b> , 51, 1411-1422	36.3	157
361	Nuclear Disposition of Alien Chromosome Introgressions into Wheat and Rye Using 3D-FISH. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	5
360	Association genetics of bunch weight and its component traits in East African highland banana ( <i>Musa</i> spp. AAA group). <i>Theoretical and Applied Genetics</i> , <b>2019</b> , 132, 3295-3308	6	10
359	The Dark Matter of Large Cereal Genomes: Long Tandem Repeats. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	9
358	Accessing a Russian Wheat Aphid Resistance Gene in Bread Wheat by Long-Read Technologies. <i>Plant Genome</i> , <b>2019</b> , 12, 180065	4.4	5
357	Selective Elimination of Parental Chromatin from Introgression Cultivars of x <i>Festulolium</i> ( <i>Festuca</i> × <i>Lolium</i> ). <i>Sustainability</i> , <b>2019</b> , 11, 3153	3.6	4
356	Inter-morphotype hybridization in tall fescue ( <i>Festuca arundinacea</i> Schreb.): exploration of meiotic irregularities and potential for breeding. <i>Euphytica</i> , <b>2019</b> , 215, 1	2.1	2
355	Instability of Alien Chromosome Introgressions in Wheat Associated with Improper Positioning in the Nucleus. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	8
354	The genome of cowpea ( <i>Vigna unguiculata</i> [L.] Walp.). <i>Plant Journal</i> , <b>2019</b> , 98, 767-782	6.9	128
353	In silico annotation of 458 genes identified from comparative analysis of Full length cDNAs and NextGen Sequence of chromosome 2A of hexaploid wheat. <i>Journal of Plant Biochemistry and Biotechnology</i> , <b>2019</b> , 28, 25-34	1.6	2

352	Uncovering homeologous relationships between tetraploid <i>Agropyron cristatum</i> and bread wheat genomes using COS markers. <i>Theoretical and Applied Genetics</i> , <b>2019</b> , 132, 2881-2898	6	7
351	Identification of a Dominant Chlorosis Phenotype Through a Forward Screen of the cv. Kronos TILLING Population. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 963	6.2	9
350	Dissecting the Complex Genome of Crested Wheatgrass by Chromosome Flow Sorting. <i>Plant Genome</i> , <b>2019</b> , 12, 180096	4.4	5
349	Fine Mapping of Using 90K SNP Chip Array and Flow-Sorted Chromosome Sequencing in Wheat. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 1787	6.2	15
348	Flow cytometric characterisation of the complex polyploid genome of <i>Saccharum officinarum</i> and modern sugarcane cultivars. <i>Scientific Reports</i> , <b>2019</b> , 9, 19362	4.9	4
347	Chromosome Painting Facilitates Anchoring Reference Genome Sequence to Chromosomes and Integrated Karyotyping in Banana ( Spp.). <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 1503	6.2	27
346	Sources of resistance in <i>Musa</i> to <i>Xanthomonas campestris</i> pv. <i>musacearum</i> , the causal agent of banana xanthomonas wilt. <i>Plant Pathology</i> , <b>2019</b> , 68, 49-59	2.8	13
345	The Coiled-Coil NLR , Confers Leaf Rust Resistance in Barley Cultivar Sudan. <i>Plant Physiology</i> , <b>2019</b> , 179, 1362-1372	6.6	29
344	Divergence between bread wheat and <i>Triticum militinae</i> in the powdery mildew resistance QPm.tut-4A locus and its implications for cloning of the resistance gene. <i>Theoretical and Applied Genetics</i> , <b>2019</b> , 132, 1061-1072	6	4
343	Integrated physical map of bread wheat chromosome arm 7DS to facilitate gene cloning and comparative studies. <i>New Biotechnology</i> , <b>2019</b> , 48, 12-19	6.4	6
342	Transcriptome reprogramming due to the introduction of a barley telosome into bread wheat affects more barley genes than wheat. <i>Plant Biotechnology Journal</i> , <b>2018</b> , 16, 1767-1777	11.6	16
341	Intact DNA purified from flow-sorted nuclei unlocks the potential of next-generation genome mapping and assembly in species. <i>MethodsX</i> , <b>2018</b> , 5, 328-336	1.9	1
340	Sequence divergence between spelt and common wheat. <i>Theoretical and Applied Genetics</i> , <b>2018</b> , 131, 1125-1132	6	3
339	Semidwarfism in Wheat Is Due to Increased Expression and Reduced GA Content. <i>Plant Physiology</i> , <b>2018</b> , 177, 168-180	6.6	54
338	Pm21 from <i>Haynaldia villosa</i> Encodes a CC-NBS-LRR Protein Conferring Powdery Mildew Resistance in Wheat. <i>Molecular Plant</i> , <b>2018</b> , 11, 874-878	14.4	94
337	Identification of Plant Nuclear Proteins Based on a Combination of Flow Sorting, SDS-PAGE, and LC-MS/MS Analysis. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1696, 57-79	1.4	1
336	Integration of Genetic and Cytogenetic Maps and Identification of Sex Chromosome in Garden Asparagus ( L.). <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1068	6.2	9
335	Genome size in some taxa of <i>Crepis</i> L. (Asteraceae) from Turkey. <i>Caryologia</i> , <b>2018</b> , 71, 217-223		2

334	The <i>Agropyron cristatum</i> karyotype, chromosome structure and cross-genome homoeology as revealed by fluorescence in situ hybridization with tandem repeats and wheat single-gene probes. <i>Theoretical and Applied Genetics</i> , <b>2018</b> , 131, 2213-2227	6	35
333	Features of the organization of bread wheat chromosome 5BS based on physical mapping. <i>BMC Genomics</i> , <b>2018</b> , 19, 80	4.5	8
332	Frequent occurrence of triploid hybrids <i>Festuca pratensis</i> [F. <i>apennina</i> ] in the Swiss Alps. <i>Alpine Botany</i> , <b>2018</b> , 128, 121-132	2.5	6
331	Chromosome-based survey sequencing reveals the genome organization of wild wheat progenitor <i>Triticum dicoccoides</i> . <i>Plant Biotechnology Journal</i> , <b>2018</b> , 16, 2077-2087	11.6	19
330	Optical and physical mapping with local finishing enables megabase-scale resolution of agronomically important regions in the wheat genome. <i>Genome Biology</i> , <b>2018</b> , 19, 112	18.3	18
329	Chromosomal Genomics of Barley. <i>Compendium of Plant Genomes</i> , <b>2018</b> , 45-56	0.8	1
328	The transcriptional landscape of polyploid wheat. <i>Science</i> , <b>2018</b> , 361,	33.3	368
327	Shifting the limits in wheat research and breeding using a fully annotated reference genome. <i>Science</i> , <b>2018</b> , 361,	33.3	1296
326	Collection of new diversity of wild and cultivated bananas ( <i>Musa</i> spp.) in the Autonomous Region of Bougainville, Papua New Guinea. <i>Genetic Resources and Crop Evolution</i> , <b>2018</b> , 65, 2267-2286	2	11
325	One Major Challenge of Sequencing Large Plant Genomes Is to Know How Big They Really Are. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	15
324	Discovery of multi-megabase polymorphic inversions by chromosome conformation capture sequencing in large-genome plant species. <i>Plant Journal</i> , <b>2018</b> , 96, 1309-1316	6.9	20
323	Genomic Prediction in a Multiploid Crop: Genotype by Environment Interaction and Allele Dosage Effects on Predictive Ability in Banana. <i>Plant Genome</i> , <b>2018</b> , 11, 170090	4.4	33
322	Molecular and Cytogenetic Study of East African Highland Banana. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1371	6.2	24
321	Large-Scale Structural Variation Detection in Subterranean Clover Subtypes Using Optical Mapping. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 971	6.2	6
320	A haplotype specific to North European wheat ( <i>Triticum aestivum</i> L.). <i>Genetic Resources and Crop Evolution</i> , <b>2017</b> , 64, 653-664	2	5
319	Chromosome identification for the carnivorous plant <i>Genlisea margaretae</i> . <i>Chromosoma</i> , <b>2017</b> , 126, 389-397		7
318	The pangenome of hexaploid bread wheat. <i>Plant Journal</i> , <b>2017</b> , 90, 1007-1013	6.9	206
317	An advanced reference genome of <i>Trifolium subterraneum</i> L. reveals genes related to agronomic performance. <i>Plant Biotechnology Journal</i> , <b>2017</b> , 15, 1034-1046	11.6	17

316	Development of intron targeting (IT) markers specific for chromosome arm 4VS of <i>Haynaldia villosa</i> by chromosome sorting and next-generation sequencing. <i>BMC Genomics</i> , <b>2017</b> , 18, 167	4.5	17
315	Molecular and cytological characterization of the global <i>Musa</i> germplasm collection provides insights into the treasure of banana diversity. <i>Biodiversity and Conservation</i> , <b>2017</b> , 26, 801-824	3.4	69
314	Rapid cloning of genes in hexaploid wheat using cultivar-specific long-range chromosome assembly. <i>Nature Biotechnology</i> , <b>2017</b> , 35, 793-796	44.5	119
313	A chromosome conformation capture ordered sequence of the barley genome. <i>Nature</i> , <b>2017</b> , 544, 427-433	33.4	822
312	Construction of a map-based reference genome sequence for barley, <i>Hordeum vulgare</i> L. <i>Scientific Data</i> , <b>2017</b> , 4, 170044	8.2	93
311	Repetitive DNA: A Versatile Tool for Karyotyping in <i>Festuca pratensis</i> Huds. <i>Cytogenetic and Genome Research</i> , <b>2017</b> , 151, 96-105	1.9	17
310	Stability of Genome Composition and Recombination between Homoeologous Chromosomes in <i>Festulolium</i> ( <i>Festuca</i> $\times$ <i>Lolium</i> ) Cultivars. <i>Cytogenetic and Genome Research</i> , <b>2017</b> , 151, 106-114	1.9	10
309	Trait variation and genetic diversity in a banana genomic selection training population. <i>PLoS ONE</i> , <b>2017</b> , 12, e0178734	3.7	19
308	Sequencing flow-sorted short arm of <i>Haynaldia villosa</i> chromosome 4V provides insights into its molecular structure and virtual gene order. <i>BMC Genomics</i> , <b>2017</b> , 18, 791	4.5	4
307	Physical Map of the Short Arm of Bread Wheat Chromosome 3D. <i>Plant Genome</i> , <b>2017</b> , 10, plantgenome2017.0370021	4.1	2021
306	Rapid Gene Isolation Using MutChromSeq. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1659, 231-243	1.4	6
305	UNcleProt (Universal Nuclear Protein database of barley): The first nuclear protein database that distinguishes proteins from different phases of the cell cycle. <i>Nucleus</i> , <b>2017</b> , 8, 70-80	3.9	8
304	The in silico identification and characterization of a bread wheat/ <i>Triticum militinae</i> introgression line. <i>Plant Biotechnology Journal</i> , <b>2017</b> , 15, 249-256	11.6	5
303	Rye B chromosomes encode a functional Argonaute-like protein with in vitro slicer activities similar to its A chromosome paralog. <i>New Phytologist</i> , <b>2017</b> , 213, 916-928	9.8	40
302	Cytogenetics of <i>Cicer</i> . <i>Compendium of Plant Genomes</i> , <b>2017</b> , 25-41	0.8	2
301	Addition of U and M Chromosomes Affects Protein and Dietary Fiber Content of Wholemeal Wheat Flour. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1529	6.2	27
300	Heritable heading time variation in wheat lines with the same number of Ppd-B1 gene copies. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183745	3.7	2
299	Orthology Guided Transcriptome Assembly of Italian Ryegrass and Meadow Fescue for Single-Nucleotide Polymorphism Discovery. <i>Plant Genome</i> , <b>2016</b> , 9, plantgenome2016.02.0017	4.4	7

298	Localization of Low-Copy DNA Sequences on Mitotic Chromosomes by FISH. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1429, 49-64	1.4	6
297	Molecular Cytogenetic Mapping of Satellite DNA Sequences in <i>Aegilops geniculata</i> and Wheat. <i>Cytogenetic and Genome Research</i> , <b>2016</b> , 148, 314-21	1.9	5
296	Dissecting the U, M, S and C genomes of wild relatives of bread wheat ( <i>Aegilops</i> spp.) into chromosomes and exploring their synteny with wheat. <i>Plant Journal</i> , <b>2016</b> , 88, 452-467	6.9	38
295	Chromosome-specific sequencing reveals an extensive dispensable genome component in wheat. <i>Scientific Reports</i> , <b>2016</b> , 6, 36398	4.9	20
294	Rapid gene isolation in barley and wheat by mutant chromosome sequencing. <i>Genome Biology</i> , <b>2016</b> , 17, 221	18.3	163
293	An efficient approach to BAC based assembly of complex genomes. <i>Plant Methods</i> , <b>2016</b> , 12, 2	5.8	10
292	The Enigma of Progressively Partial Endoreplication: New Insights Provided by Flow Cytometry and Next-Generation Sequencing. <i>Genome Biology and Evolution</i> , <b>2016</b> , 8, 1996-2005	3.9	18
291	The expansion of heterochromatin blocks in rye reflects the co-amplification of tandem repeats and adjacent transposable elements. <i>BMC Genomics</i> , <b>2016</b> , 17, 337	4.5	25
290	The utility of flow sorting to identify chromosomes carrying a single copy transgene in wheat. <i>Plant Methods</i> , <b>2016</b> , 12, 24	5.8	8
289	Discovering the World of Plant Nuclear Proteins <b>2016</b> , 22-36		
288	Improvement of the banana " <i>Musa acuminata</i> " reference sequence using NGS data and semi-automated bioinformatics methods. <i>BMC Genomics</i> , <b>2016</b> , 17, 243	4.5	82
287	Characterization of new allele influencing flowering time in bread wheat introgressed from <i>Triticum militinae</i> . <i>New Biotechnology</i> , <b>2016</b> , 33, 718-727	6.4	8
286	A High Resolution Radiation Hybrid Map of Wheat Chromosome 4A. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 2063	6.2	9
285	Genetic Diversity of <i>Blumeria graminis</i> f. sp. <i>hordei</i> in Central Europe and Its Comparison with Australian Population. <i>PLoS ONE</i> , <b>2016</b> , 11, e0167099	3.7	10
284	An Increasing Need for Productive and Stress Resilient <i>Festulolium</i> Amphiploids: What Can Be Learnt from the Stable Genomic Composition of <i>Festuca pratensis</i> subsp. <i>apennina</i> (De Not.) Hegi?. <i>Frontiers in Environmental Science</i> , <b>2016</b> , 4,	4.8	6
283	Traditional Banana Diversity in Oceania: An Endangered Heritage. <i>PLoS ONE</i> , <b>2016</b> , 11, e0151208	3.7	8
282	Collecting banana diversity in eastern Indonesia. <i>Acta Horticulturae</i> , <b>2016</b> , 19-26	0.3	2
281	BioNano genome mapping of individual chromosomes supports physical mapping and sequence assembly in complex plant genomes. <i>Plant Biotechnology Journal</i> , <b>2016</b> , 14, 1523-31	11.6	82



280	DArT whole genome profiling provides insights on the evolution and taxonomy of edible Banana (Musa spp.). <i>Annals of Botany</i> , <b>2016</b> , 118, 1269-1278	4.1	31
279	Flow Sorting Plant Chromosomes. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1429, 119-34	1.4	6
278	Chromosomal Allocation of DNA Sequences in Wheat Using Flow-Sorted Chromosomes. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1469, 157-70	1.4	
277	Flow Analysis and Sorting of Plant Chromosomes. <i>Current Protocols in Cytometry</i> , <b>2016</b> , 78, 5.3.1-5.3.43	3.6	14
276	Construction of BAC Libraries from Flow-Sorted Chromosomes. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1429, 135-49	1.4	
275	LTR retrotransposon dynamics in the evolution of the olive ( <i>Olea europaea</i> ) genome. <i>DNA Research</i> , <b>2015</b> , 22, 91-100	4.5	34
274	Preparation of sub-genomic fractions enriched for particular chromosomes in polyploid wheat. <i>Biologia Plantarum</i> , <b>2015</b> , 59, 445-455	2.1	10
273	Molecular organization and comparative analysis of chromosome 5B of the wild wheat ancestor <i>Triticum dicoccoides</i> . <i>Scientific Reports</i> , <b>2015</b> , 5, 10763	4.9	24
272	TPX2 Protein of Arabidopsis Activates Aurora Kinase 1, But Not Aurora Kinase 3 In Vitro. <i>Plant Molecular Biology Reporter</i> , <b>2015</b> , 33, 1988-1995	1.7	13
271	Chromosomal genomics facilitates fine mapping of a Russian wheat aphid resistance gene. <i>Theoretical and Applied Genetics</i> , <b>2015</b> , 128, 1373-83	6	4
270	Putative interchromosomal rearrangements in the hexaploid wheat ( <i>Triticum aestivum</i> L.) genotype Chinese Spring Revealed by gene locations on homoeologous chromosomes. <i>BMC Evolutionary Biology</i> , <b>2015</b> , 15, 37	3	20
269	A high-resolution physical map integrating an anchored chromosome with the BAC physical maps of wheat chromosome 6B. <i>BMC Genomics</i> , <b>2015</b> , 16, 595	4.5	16
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260	Cytogenetic mapping with centromeric bacterial artificial chromosomes contigs shows that this recombination-poor region comprises more than half of barley chromosome 3H. <i>Plant Journal</i> , <b>2015</b> , 84, 385-94	6.9	26
259	Challenges of flow-cytometric estimation of nuclear genome size in orchids, a plant group with both whole-genome and progressively partial endoreplication. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2015</b> , 87, 958-66	4.6	38
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253	Inside a plant nucleus: discovering the proteins. <i>Journal of Experimental Botany</i> , <b>2015</b> , 66, 1627-40	7	31
252	Molecular and Cytogenetic Characterization of Wild Musa Species. <i>PLoS ONE</i> , <b>2015</b> , 10, e0134096	3.7	23
251	In Depth Characterization of Repetitive DNA in 23 Plant Genomes Reveals Sources of Genome Size Variation in the Legume Tribe Fabaeae. <i>PLoS ONE</i> , <b>2015</b> , 10, e0143424	3.7	104
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249	Sequencing of Wheat Chromosome 6B: Toward Functional Genomics <b>2015</b> , 111-116		
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238	Ancient hybridizations among the ancestral genomes of bread wheat. <i>Science</i> , <b>2014</b> , 345, 1250092	33.3	419
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120	Genome constitution and evolution in <i>Lolium x Festuca</i> hybrid cultivars ( <i>Festulolium</i> ). <i>Theoretical and Applied Genetics</i> , <b>2006</b> , 113, 731-42	6	62
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116	Comparison of four nuclear isolation buffers for plant DNA flow cytometry. <i>Annals of Botany</i> , <b>2006</b> , 98, 679-89	4.1	122
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92	Preparation of HMW DNA from Plant Nuclei and Chromosomes Isolated from Root Tips. <i>Biologia Plantarum</i> , <b>2003</b> , 46, 369-373	2.1	54
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90	Rapid detection of aneuploidy in <i>Musa</i> using flow cytometry. <i>Plant Cell Reports</i> , <b>2003</b> , 21, 483-90	5.1	67
89	Nuclear DNA content and genome size of trout and human. <i>Cytometry</i> , <b>2003</b> , 51, 127-8; author reply 129		667
88	Effect of 2-aminoindan-2-phosphonic acid on cell cycle progression in synchronous meristematic cells of <i>Vicia faba</i> roots. <i>Plant Science</i> , <b>2003</b> , 164, 823-832	5.3	6
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84	Isolation, characterization and chromosome localization of repetitive DNA sequences in bananas ( <i>Musa</i> spp.). <i>Chromosome Research</i> , <b>2002</b> , 10, 89-100	4.4	29
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81	Analysis of nuclear DNA content and ploidy in higher plants. <i>Current Protocols in Cytometry</i> , <b>2001</b> , Chapter 7, Unit 7.6	3.6	32
80	Heterogeneity of rDNA distribution and genome size in <i>Silene</i> spp. <i>Chromosome Research</i> , <b>2001</b> , 9, 387-934	4.4	64
79	Effectiveness of three micropropagation techniques to dissociate cytochimeras in <i>Musa</i> spp. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2001</b> , 66, 189-197	2.7	34
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61	Nuclear genome stability of Mammillaria san-angelensis (Cactaceae) regenerants induced by auxins in long-term in vitro culture. <i>Plant Science</i> , <b>1999</b> , 141, 191-200	5.3	47
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59	A combined PRINS-FISH technique for simultaneous localisation of DNA sequences on plant chromosomes. <i>Biologia Plantarum</i> , <b>1998</b> , 41, 293-296	2.1	4
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57	Optimization of PRINS and C-PRINS for detection of telomeric sequences in <i>Vicia faba</i> . <i>Biologia Plantarum</i> , <b>1998</b> , 41, 177-184	2.1	8
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55	Treatment of <i>Vicia faba</i> root tip cells with specific inhibitors to cyclin-dependent kinases leads to abnormal spindle formation. <i>Plant Journal</i> , <b>1998</b> , 16, 697-707	6.9	60
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26	A high-yield procedure for isolation of metaphase chromosomes from root tips of <i>Vicia faba</i> L. <i>Planta</i> , <b>1992</b> , 188, 93-8	4.7	133
25	Comparison of three DNA fluorochromes for flow cytometric estimation of nuclear DNA content in plants. <i>Physiologia Plantarum</i> , <b>1992</b> , 85, 625-631	4.6	424
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11	Anatomy, transcription dynamics and evolution of wheat ribosomal RNA loci deciphered by a multi-omics approach		3

10	Chromosome-scale genome assembly provides insights into rye biology, evolution, and agronomic potential	10
9	LYS3 encodes a prolamin-box-binding transcription factor that controls embryo growth in barley and wheat	1
8	Fonio millet genome unlocks African orphan crop diversity for agriculture in a changing climate	4
7	The genome of cowpea ( <i>Vigna unguiculata</i> [L.] Walp.)	2
6	Chromosome evolution and the genetic basis of agronomically important traits in greater yam	3
5	Telomere-to-telomere gapless chromosomes of banana using nanopore sequencing	2
4	Genomic rearrangements have consequences for introgression breeding as revealed by genome assemblies of wild and cultivated lentil species	4
3	Helical metaphase chromatid coiling is conserved	1
2	Reference genome-assisted identification of stem rust resistance gene Sr62 encoding a tandem kinase	4
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