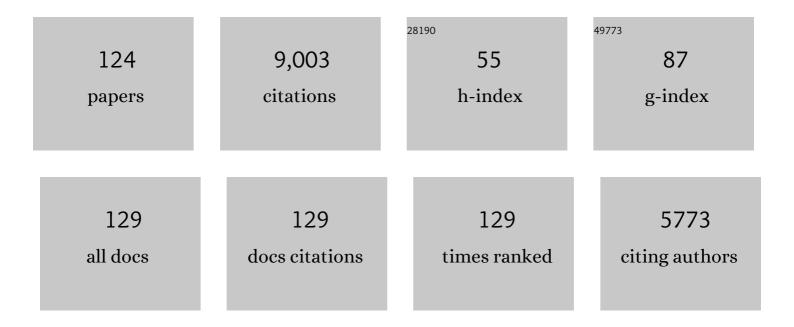
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	RepeatExplorer: a Galaxy-based web server for genome-wide characterization of eukaryotic repetitive elements from next-generation sequence reads. Bioinformatics, 2013, 29, 792-793.	1.8	619
2	Graph-based clustering and characterization of repetitive sequences in next-generation sequencing data. BMC Bioinformatics, 2010, 11, 378.	1.2	403
3	A reference genome for pea provides insight into legume genome evolution. Nature Genetics, 2019, 51, 1411-1422.	9.4	363
4	Systematic survey of plant LTR-retrotransposons elucidates phylogenetic relationships of their polyprotein domains and provides a reference for element classification. Mobile DNA, 2019, 10, 1.	1.3	265
5	Repetitive DNA in the pea (Pisum sativum L.) genome: comprehensive characterization using 454 sequencing and comparison to soybean and Medicago truncatula. BMC Genomics, 2007, 8, 427.	1.2	256
6	TAREAN: a computational tool for identification and characterization of satellite DNA from unassembled short reads. Nucleic Acids Research, 2017, 45, e111-e111.	6.5	222
7	Repeatless and Repeat-Based Centromeres in Potato: Implications for Centromere Evolution Â. Plant Cell, 2012, 24, 3559-3574.	3.1	221
8	Plant centromeric retrotransposons: a structural and cytogenetic perspective. Mobile DNA, 2011, 2, 4.	1.3	186
9	Loading of Arabidopsis Centromeric Histone CENH3 Occurs Mainly during G2 and Requires the Presence of the Histone Fold Domain. Plant Cell, 2006, 18, 2443-2451.	3.1	181
10	Selfish supernumerary chromosome reveals its origin as a mosaic of host genome and organellar sequences. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13343-13346.	3.3	173
11	Pea (Pisum sativum L.) in the Genomic Era. Agronomy, 2012, 2, 74-115.	1.3	172
12	In Depth Characterization of Repetitive DNA in 23 Plant Genomes Reveals Sources of Genome Size Variation in the Legume Tribe Fabeae. PLoS ONE, 2015, 10, e0143424.	1.1	172
13	Next Generation Sequencing Reveals Genome Downsizing in Allotetraploid Nicotiana tabacum, Predominantly through the Elimination of Paternally Derived Repetitive DNAs. Molecular Biology and Evolution, 2011, 28, 2843-2854.	3.5	150
14	Global analysis of repetitive DNA from unassembled sequence reads using RepeatExplorer2. Nature Protocols, 2020, 15, 3745-3776.	5.5	144
15	Genetics of sex determination in flowering plants. Genesis, 1994, 15, 214-230.	3.1	142
16	Stretching the Rules: Monocentric Chromosomes with Multiple Centromere Domains. PLoS Genetics, 2012, 8, e1002777.	1.5	127
17	Genomic Repeat Abundances Contain Phylogenetic Signal. Systematic Biology, 2015, 64, 112-126.	2.7	126
18	Nuclear Dynamics in <i>Arabidopsis thaliana</i> . Molecular Biology of the Cell, 2000, 11, 2733-2741.	0.9	124

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19	Analysis of the giant genomes of <i><scp>F</scp>ritillaria</i> (<scp>L</scp> iliaceae) indicates that a lack of <scp>DNA</scp> removal characterizes extreme expansions in genome size. New Phytologist, 2015, 208, 596-607.	3.5	122
20	Significant Expansion of Vicia pannonica Genome Size Mediated by Amplification of a Single Type of Giant Retroelement. Genetics, 2006, 173, 1047-1056.	1.2	119
21	PlantSat: a specialized database for plant satellite repeats. Bioinformatics, 2002, 18, 28-35.	1.8	118
22	Diploidization and genome size change in allopolyploids is associated with differential dynamics of low―and high opy sequences. Plant Journal, 2013, 74, 829-839.	2.8	112
23	Survey of repetitive sequences in Silene latifolia with respect to their distribution on sex chromosomes. Chromosome Research, 2008, 16, 961-976.	1.0	99
24	Next Generation Sequencing-Based Analysis of Repetitive DNA in the Model Dioceous Plant Silene latifolia. PLoS ONE, 2011, 6, e27335.	1.1	97
25	Holocentromeres in <i>Rhynchospora</i> are associated with genome-wide centromere-specific repeat arrays interspersed among euchromatin. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13633-13638.	3.3	96
26	Highly abundant pea LTR retrotransposon Ogre is constitutively transcribed and partially spliced. Plant Molecular Biology, 2003, 53, 399-410.	2.0	92
27	Repetitive part of the banana (Musa acuminata) genome investigated by low-depth 454 sequencing. BMC Plant Biology, 2010, 10, 204.	1.6	90
28	Development and Characterization of Microsatellite Markers from Chromosome 1-Specific DNA Libraries of Vicia Faba. Biologia Plantarum, 2002, 45, 337-345.	1.9	87
29	Repeat-sequence turnover shifts fundamentally in species with large genomes. Nature Plants, 2020, 6, 1325-1329.	4.7	87
30	Survey of extrachromosomal circular DNA derived from plant satellite repeats. BMC Plant Biology, 2008, 8, 90.	1.6	86
31	The holocentric species <i><scp>L</scp>uzula elegans</i> shows interplay between centromere and largeâ€scale genome organization. Plant Journal, 2013, 73, 555-565.	2.8	86
32	Next-Generation Sequencing Reveals the Impact of Repetitive DNA Across Phylogenetically Closely Related Genomes of Orobanchaceae. Molecular Biology and Evolution, 2012, 29, 3601-3611.	3.5	82
33	Green Fluorescent Protein Targeted to the Nucleus, a Transgenic Phenotype Useful for Studies in Plant Biology. Annals of Botany, 1999, 83, 645-654.	1.4	79
34	Diverse retrotransposon families and an AT-rich satellite DNA revealed in giant genomes of Fritillaria lilies. Annals of Botany, 2011, 107, 255-268.	1.4	78
35	Nondisjunction in Favor of a Chromosome: The Mechanism of Rye B Chromosome Drive during Pollen Mitosis. Plant Cell, 2012, 24, 4124-4134.	3.1	77
36	Independent, Rapid and Targeted Loss of Highly Repetitive DNA in Natural and Synthetic Allopolyploids of Nicotiana tabacum. PLoS ONE, 2012, 7, e36963.	1.1	77

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37	Localization of seed protein genes on flow-sorted field bean chromosomes. Chromosome Research, 1993, 1, 107-115.	1.0	76
38	Characterization of repeat arrays in ultraâ€long nanopore reads reveals frequent origin of satellite DNA from retrotransposonâ€derived tandem repeats. Plant Journal, 2020, 101, 484-500.	2.8	76
39	Organization and Evolution of Subtelomeric Satellite Repeats in the Potato Genome. C3: Genes, Genomes, Genetics, 2011, 1, 85-92.	0.8	75
40	Highâ€copy sequences reveal distinct evolution of the rye B chromosome. New Phytologist, 2013, 199, 550-558.	3.5	75
41	Boom-Bust Turnovers of Megabase-Sized Centromeric DNA in <i>Solanum</i> Species: Rapid Evolution of DNA Sequences Associated with Centromeres Â. Plant Cell, 2014, 26, 1436-1447.	3.1	73
42	Sobo, a Recently Amplified Satellite Repeat of Potato, and Its Implications for the Origin of Tandemly Repeated Sequences. Genetics, 2005, 170, 1231-1238.	1.2	71
43	Hypervariable 3′ UTR region of plant LTR-retrotransposons as a source of novel satellite repeats. Gene, 2009, 448, 198-206.	1.0	70
44	Chromosome sorting and PCR-based physical mapping in pea (Pisum sativum L.). Chromosome Research, 2002, 10, 63-71.	1.0	69
45	Centromeres Off the Hook: Massive Changes in Centromere Size and Structure Following Duplication of <i>CenH3</i> Gene in <i>Fabeae</i> Species. Molecular Biology and Evolution, 2015, 32, 1862-1879.	3.5	69
46	A Set of Cytogenetic Markers Allows the Precise Identification of All A-Genome Chromosomes in Diploid and Polyploid Wheat. Cytogenetic and Genome Research, 2015, 146, 71-79.	0.6	69
47	Genes on B chromosomes: Old questions revisited with new tools. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2015, 1849, 64-70.	0.9	68
48	Multicolor FISH mapping of the dioecious model plant, Silene latifolia. Theoretical and Applied Genetics, 2004, 108, 1193-1199.	1.8	66
49	Satellite DNA in Vicia faba is characterized by remarkable diversity in its sequence composition, association with centromeres, and replication timing. Scientific Reports, 2018, 8, 5838.	1.6	66
50	Flow cytogenetics and plant genome mapping. Chromosome Research, 2004, 12, 77-91.	1.0	65
51	Retand: a novel family of gypsy-like retrotransposons harboring an amplified tandem repeat. Molecular Genetics and Genomics, 2006, 276, 254-263.	1.0	63
52	Mapping of repeated DNA sequences in plant chromosomes by PRINS and C-PRINS. Theoretical and Applied Genetics, 1997, 94, 758-763.	1.8	62
53	Transcription and Evolutionary Dynamics of the Centromeric Satellite Repeat CentO in Rice. Molecular Biology and Evolution, 2006, 23, 2505-2520.	3.5	62
54	Karyotype Analysis of Four Vicia Species using In Situ Hybridization with Repetitive Sequences. Annals of Botany, 2003, 91, 921-926.	1.4	61

JIRI MACAS

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55	Next generation sequencing analysis reveals a relationship between rDNA unit diversity and locus number in Nicotiana diploids. BMC Genomics, 2012, 13, 722.	1.2	60
56	Centromeric and non-centromeric satellite DNA organisation differs in holocentric Rhynchospora species. Chromosoma, 2017, 126, 325-335.	1.0	59
57	Development of a composite map in Vicia faba, breeding applications and future prospects. Theoretical and Applied Genetics, 2004, 108, 1079-1088.	1.8	58
58	Differential amplification of satellite PaB6 in chromosomally hypervariable Prospero autumnale complex (Hyacinthaceae). Annals of Botany, 2014, 114, 1597-1608.	1.4	58
59	Ogre elements — A distinct group of plant Ty3/gypsy-like retrotransposons. Gene, 2007, 390, 108-116.	1.0	55
60	Contrasting Patterns of Transposable Element and Satellite Distribution on Sex Chromosomes (XY1Y2) in the Dioecious Plant Rumex acetosa. Genome Biology and Evolution, 2013, 5, 769-782.	1.1	55
61	Development of a genetic composite map of Vicia faba using F2 populations derived from trisomic plants. Theoretical and Applied Genetics, 1999, 98, 736-743.	1.8	54
62	Dating the Species Network: Allopolyploidy and Repetitive DNA Evolution in American Daisies (Melampodium sect. Melampodium, Asteraceae). Systematic Biology, 2018, 67, 1010-1024.	2.7	54
63	Genome-Wide Analysis of Repeat Diversity across the Family Musaceae. PLoS ONE, 2014, 9, e98918.	1.1	54
64	Construction of chromosome-specific DNA libraries covering the whole genome of field bean (Vicia) Tj ETQq0 0 C) rgBT /Ove	erlock 10 Tf 5
65	Evolutionary conserved lineage of Angela-family retrotransposons as a genome-wide microsatellite repeat dispersal agent. Heredity, 2009, 103, 157-167.	1.2	52
66	Sequence subfamilies of satellite repeats related to rDNA intergenic spacer are differentially amplified on Vicia sativa chromosomes. Chromosoma, 2003, 112, 152-158.	1.0	51
67	Subtraction with 3′ Modified Oligonucleotides Eliminates Amplification Artifacts in DNA Libraries Enriched for Microsatellites. BioTechniques, 1998, 25, 32-38.	0.8	50
68	Two new families of tandem repeats isolated from genus Vicia using genomic self-priming PCR. Molecular Genetics and Genomics, 2000, 263, 741-751.	2.4	49
69	Analysis of Nuclear DNA Content and Ploidy in Higher Plants. Current Protocols in Cytometry, 1997, 2, Unit 7.6.	3.7	46
70	Molecular and cytogenetic analysis of repetitive DNA in pea (Pisum sativum L.). Genome, 2001, 44, 716-728.	0.9	46
71	Comparative Genome Analysis Reveals Divergent Genome Size Evolution in a Carnivorous Plant Genus. Plant Genome, 2015, 8, eplantgenome2015.04.0021.	1.6	45

⁷²Primed in situ labelling facilitates flow sorting of similar sized chromosomes. Plant Journal, 1995, 7,
1039-1044.2.844

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73	Global sequence characterization of rice centromeric satellite based on oligomer frequency analysis in large-scale sequencing data. Bioinformatics, 2010, 26, 2101-2108.	1.8	43
74	Super-Resolution Microscopy Reveals Diversity of Plant Centromere Architecture. International Journal of Molecular Sciences, 2020, 21, 3488.	1.8	42
75	Extraordinary Sequence Diversity and Promiscuity of Centromeric Satellites in the Legume Tribe Fabeae. Molecular Biology and Evolution, 2020, 37, 2341-2356.	3.5	42
76	Centromere and telomere sequence alterations reflect the rapid genome evolution within the carnivorous plant genus <i>Genlisea</i> . Plant Journal, 2015, 84, 1087-1099.	2.8	41
77	Isolation of chromosomes from Pisum sativum L. hairy root cultures and their analysis by flow cytometry. Plant Science, 1998, 137, 205-215.	1.7	40
78	Survey Sequencing Reveals Elevated DNA Transposon Activity, Novel Elements, and Variation in Repetitive Landscapes among Vesper Bats. Genome Biology and Evolution, 2012, 4, 575-585.	1.1	38
79	Microarray-based survey of repetitive genomic sequences in Vicia spp. Plant Molecular Biology, 2001, 45, 229-244.	2.0	37
80	Mitotic Spindle Attachment to the Holocentric Chromosomes of Cuscuta europaea Does Not Correlate With the Distribution of CENH3 Chromatin. Frontiers in Plant Science, 2020, 10, 1799.	1.7	37
81	Differential Genome Size and Repetitive DNA Evolution in Diploid Species of Melampodium sect. Melampodium (Asteraceae). Frontiers in Plant Science, 2020, 11, 362.	1.7	37
82	Sequence homogenization and chromosomal localization of VicTR-B satellites differ between closely related Vicia species. Chromosoma, 2006, 115, 437-447.	1.0	35
83	Arabidopsis CBF5 interacts with the H/ACA snoRNP assembly factor NAF1. Plant Molecular Biology, 2007, 65, 615-626.	2.0	33
84	The effect of an elevated cytokinin level using the ipt gene and N 6-benzyladenine on single node and intact potato plant tuberization in vitro. Journal of Plant Growth Regulation, 1995, 14, 143-150.	2.8	32
85	Repeat Composition of CenH3-chromatin and H3K9me2-marked heterochromatin in Sugar Beet (Beta) Tj ETQq1	1 0.7843 1.6	14 rgBT /Ove
86	Epigenetic Histone Marks of Extended Meta-Polycentric Centromeres of Lathyrus and Pisum Chromosomes. Frontiers in Plant Science, 2016, 7, 234.	1.7	31
87	Haplotype Detection from Next-Generation Sequencing in High-Ploidy-Level Species: 45S rDNA Gene Copies in the Hexaploid Spartina maritima. G3: Genes, Genomes, Genetics, 2016, 6, 29-40.	0.8	29
88	Localization of vicilin genes via polymerase chain reaction on microisolated field bean chromosomes. Plant Journal, 1993, 3, 883-886.	2.8	28
89	Molecular and cytogenetic analysis of repetitive DNA in pea (<i>Pisum sativum</i> L.). Genome, 2001, 44, 716-728.	0.9	28
90	Why size really matters when sequencing plant genomes. Plant Ecology and Diversity, 2012, 5, 415-425.	1.0	27

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91	Flow Sorting and Sequencing Meadow Fescue Chromosome 4F. Plant Physiology, 2013, 163, 1323-1337.	2.3	27
92	Chromosome analysis and sorting in Vicia sativa using flow cytometry. Biologia Plantarum, 2007, 51, 43-48.	1.9	26
93	Nondisjunction and unequal spindle organization accompany the drive of <i>Aegilops speltoides</i> B chromosomes. New Phytologist, 2019, 223, 1340-1352.	3.5	26
94	Characterization of Stowaway MITEs in pea (Pisum sativum L.) and identification of their potential master elements. Genome, 2005, 48, 831-839.	0.9	24
95	A widespread occurrence of extra open reading frames in plant Ty3/gypsy retrotransposons. Genetica, 2011, 139, 1543-1555.	0.5	23
96	Chromosome-scale genome assembly for the duckweed Spirodela intermedia, integrating cytogenetic maps, PacBio and Oxford Nanopore libraries. Scientific Reports, 2020, 10, 19230.	1.6	23
97	Isolation and characterization of the highly repeated fraction of the banana genome. Cytogenetic and Genome Research, 2007, 119, 268-274.	0.6	22
98	Impact of parasitic lifestyle and different types of centromere organization on chromosome and genome evolution in the plant genus <i>Cuscuta</i> . New Phytologist, 2021, 229, 2365-2377.	3.5	22
99	Cloning and Characterization of New Repetitive Sequences in Field Bean (Vicia fabaL.). Annals of Botany, 1999, 83, 535-541.	1.4	21
100	Nuclear expressed sequence tag (NEST) analysis: A novel means to study transcription through amplification of nuclear RNA. Cytometry, 1998, 33, 460-468.	1.8	20
101	<i>Plantago lagopus </i> B Chromosome Is Enriched in 5S rDNA-Derived Satellite DNA. Cytogenetic and Genome Research, 2016, 148, 68-73.	0.6	20
102	PIGY, a new plant envelope-class LTR retrotransposon. Molecular Genetics and Genomics, 2005, 273, 43-53.	1.0	19
103	The Dark Matter of Large Cereal Genomes: Long Tandem Repeats. International Journal of Molecular Sciences, 2019, 20, 2483.	1.8	19
104	Sorting of plant chromosomes. Methods in Cell Biology, 2001, 64, 3-31.	0.5	18
105	Accessing a Russian Wheat Aphid Resistance Gene in Bread Wheat by Longâ€Read Technologies. Plant Genome, 2019, 12, 180065.	1.6	15
106	The Agrobacterium tumefaciens C58- 6b gene confers resistance to N 6 -benzyladenine without modifying cytokinin metabolism in tobacco seedlings. Planta, 1999, 209, 453-461.	1.6	14
107	Zaba: a novel miniature transposable element present in genomes of legume plants. Molecular Genetics and Genomics, 2003, 269, 624-631.	1.0	14
108	Karyotypes and Distribution of Tandem Repeat Sequences in <i>Brassica nigra</i> Determined by Fluorescence in situ Hybridization. Cytogenetic and Genome Research, 2017, 152, 158-165.	0.6	10

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109	Fine structure and transcription dynamics of bread wheat ribosomal DNA loci deciphered by a multiâ€omics approach. Plant Genome, 2022, , e20191.	1.6	10
110	The ecology of palm genomes: repeatâ€associated genome size expansion is constrained by aridity. New Phytologist, 2022, 236, 433-446.	3.5	10
111	Experimental evidence for splicing of intron-containing transcripts of plant LTR retrotransposon Ogre. Molecular Genetics and Genomics, 2008, 280, 427-36.	1.0	9
112	Complex sequence organization of heterochromatin in the holocentric plant Cuscuta europaea elucidated by the computational analysis of nanopore reads. Computational and Structural Biotechnology Journal, 2021, 19, 2179-2189.	1.9	9
113	Limitation of current probe design for oligo-cross-FISH, exemplified by chromosome evolution studies in duckweeds. Chromosoma, 2021, 130, 15-25.	1.0	9
114	Analysis of T-DNA-mediated translational beta-glucuronidase gene fusions. Plant Molecular Biology, 1998, 36, 205-217.	2.0	8
115	Chromosome Flow Sorting and Physical Mapping. , 2005, , 151-171.		6
116	Long-range organization of plant satellite repeats investigated using strand-specific FISH. Cytogenetic and Genome Research, 2005, 109, 58-62.	0.6	6
117	A combined PRINS-FISH technique for simultaneous localisation of DNA sequences on plant chromosomes. Biologia Plantarum, 1998, 41, 293-296.	1.9	5
118	Chromatin organization and cytological features of carnivorous Genlisea species with large genome size differences. Frontiers in Plant Science, 2015, 6, 613.	1.7	5
119	Pisum sativum (Pea). Trends in Genetics, 2020, 36, 312-313.	2.9	5
120	Flow Analysis and Sorting of Plant Chromosomes. Current Protocols in Cytometry, 1999, 9, Unit 5.3.	3.7	3
121	PRINS on Plant Chromosomes. , 2006, 334, 133-140.		3
122	Genome invasion by a hypomethylated satellite repeat in Australian crucifer Ballantinia antipoda. Plant Journal, 2019, 99, 1066-1079.	2.8	3
123	The Repetitive Content in Lupin Genomes. Compendium of Plant Genomes, 2020, , 161-186.	0.3	2
124	Cloning and Characterization of New Repetitive Sequences in Field Bean (Vicia faba L.). Annals of Botany, 2000, 85, 157.	1.4	0