

Ingo Schubert

List of Publications by Year in descending order

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162
papers

11,534
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25034

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164
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164
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164
times ranked

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#	ARTICLE	IF	CITATIONS
1	Chromosome triplication found across the tribe <i>Brassicaceae</i> . <i>Genome Research</i> , 2005, 15, 516-525.	5.5	598
2	DNA methylation controls histone H3 lysine 9 methylation and heterochromatin assembly in <i>Arabidopsis</i> . <i>EMBO Journal</i> , 2002, 21, 6549-6559.	7.8	439
3	Interphase chromosomes in <i>Arabidopsis</i> are organized as well defined chromocenters from which euchromatin loops emanate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14584-14589.	7.1	429
4	Mechanisms of chromosome number reduction in <i>Arabidopsis thaliana</i> and related <i>Brassicaceae</i> species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5224-5229.	7.1	360
5	Dual histone H3 methylation marks at lysines 9 and 27 required for interaction with CHROMOMETHYLASE3. <i>EMBO Journal</i> , 2004, 23, 4146-4155.	7.8	359
6	Chromosomal histone modification patterns – from conservation to diversity. <i>Trends in Plant Science</i> , 2006, 11, 199-208.	8.8	338
7	An efficient screen for reproductive pathways using mature seeds of monocots and dicots. <i>Plant Journal</i> , 2000, 21, 97-108.	5.7	330
8	Dimethylation of histone H3 lysine 9 is a critical mark for DNA methylation and gene silencing in <i>Arabidopsis thaliana</i> . <i>Chromosoma</i> , 2004, 112, 308-315.	2.2	289
9	Interpretation of karyotype evolution should consider chromosome structural constraints. <i>Trends in Genetics</i> , 2011, 27, 207-216.	6.7	252
10	Opportunism knocks?. <i>Nature</i> , 2000, 404, 120-120.	27.8	244
11	<i>TY3/GYPSY</i> retrotransposon-like sequence localizes to the centromeric regions of cereal chromosomes. <i>Plant Journal</i> , 1998, 16, 721-728.	5.7	231
12	Chromosome territory arrangement and homologous pairing in nuclei of <i>Arabidopsis thaliana</i> are predominantly random except for NOR-bearing chromosomes. <i>Chromosoma</i> , 2004, 113, 258-269.	2.2	206
13	Methylation of histone H3 in euchromatin of plant chromosomes depends on basic nuclear DNA content. <i>Plant Journal</i> , 2003, 33, 967-973.	5.7	186
14	Loading of <i>Arabidopsis</i> Centromeric Histone CENH3 Occurs Mainly during G2 and Requires the Presence of the Histone Fold Domain. <i>Plant Cell</i> , 2006, 18, 2443-2451.	6.6	181
15	Chromosome evolution. <i>Current Opinion in Plant Biology</i> , 2007, 10, 109-115.	7.1	181
16	Histone H4 Acetylation of Euchromatin and Heterochromatin Is Cell Cycle Dependent and Correlated with Replication Rather Than with Transcription. <i>Plant Cell</i> , 2000, 12, 2087-2100.	6.6	163
17	Chromosome painting in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2001, 28, 689-697.	5.7	156
18	How do Alliaceae stabilize their chromosome ends in the absence of TTTAGGG sequences?. <i>Chromosome Research</i> , 1996, 4, 207-213.	2.2	144

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19	Histone modifications in <i>Arabidopsis</i> – high methylation of H3 lysine 9 is dispensable for constitutive heterochromatin. <i>Plant Journal</i> , 2003, 33, 471-480.	5.7	144
20	DNA damage and repair in <i>Arabidopsis thaliana</i> as measured by the comet assay after treatment with different classes of genotoxins. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001, 493, 87-93.	1.7	142
21	The Catalytically Active Tyrosine Residues of Both SPO11-1 and SPO11-2 Are Required for Meiotic Double-Strand Break Induction in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2007, 19, 3090-3099.	6.6	125
22	Genome Stability and Evolution: Attempting a Holistic View. <i>Trends in Plant Science</i> , 2016, 21, 749-757.	8.8	125
23	The Ty1-copia group retrotransposons of <i>Allium cepa</i> are distributed throughout the chromosomes but are enriched in the terminal heterochromatin. <i>Chromosome Research</i> , 1996, 4, 357-364.	2.2	124
24	Chromosome painting in plants. <i>Cytotechnology</i> , 2001, 23, 57-69.	0.7	123
25	Changes in 5S rDNA Chromatin Organization and Transcription during Heterochromatin Establishment in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2003, 15, 2929-2939.	6.6	120
26	The cell cycle dependent phosphorylation of histone H3 is correlated with the condensation of plant mitotic chromosomes. <i>Plant Journal</i> , 1999, 18, 675-679.	5.7	116
27	Chromatin organization and its relation to replication and histone acetylation during the cell cycle in barley. <i>Chromosoma</i> , 2001, 110, 83-92.	2.2	113
28	An Archaeobacterial Topoisomerase Homolog Not Present in Other Eukaryotes Is Indispensable for Cell Proliferation of Plants. <i>Current Biology</i> , 2002, 12, 1787-1791.	3.9	113
29	Return of the Lemnaceae: duckweed as a model plant system in the genomics and postgenomics era. <i>Plant Cell</i> , 2021, 33, 3207-3234.	6.6	111
30	MOM1 mediates DNA methylation-independent silencing of repetitive sequences in <i>Arabidopsis</i> . <i>EMBO Reports</i> , 2006, 7, 1273-1278.	4.5	102
31	Reconstruction of reproductive diversity in <i>Hypericum perforatum</i> L. opens novel strategies to manage apomixis. <i>Plant Journal</i> , 2001, 26, 275-282.	5.7	99
32	DNA and proteins of plant centromeres. <i>Current Opinion in Plant Biology</i> , 2003, 6, 554-560.	7.1	99
33	The <i>Arabidopsis</i> HETEROCHROMATIN PROTEIN1 Homolog (TERMINAL FLOWER2) Silences Genes Within the Euchromatic Region but not Genes Positioned in Heterochromatin. <i>Plant and Cell Physiology</i> , 2005, 46, 1747-1756.	3.1	98
34	The STRUCTURAL MAINTENANCE OF CHROMOSOMES 5/6 Complex Promotes Sister Chromatid Alignment and Homologous Recombination after DNA Damage in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2009, 21, 2688-2699.	6.6	98
35	Knockdown of CENH3 in <i>Arabidopsis</i> reduces mitotic divisions and causes sterility by disturbed meiotic chromosome segregation. <i>Plant Journal</i> , 2011, 68, 40-50.	5.7	94
36	Recent progress in chromosome painting of <i>Arabidopsis</i> and related species. <i>Chromosome Research</i> , 2003, 11, 195-204.	2.2	92

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37	Terminal heterochromatin and alternative telomeric sequences in <i>Allium cepa</i> . , 1998, 6, 315-321.		91
38	The transcriptional response of <i>Arabidopsis</i> to genotoxic stress - a high-density colony array study (HDCA). <i>Plant Journal</i> , 2003, 35, 771-786.	5.7	91
39	The Inheritance of Apomixis in <i>Poa pratensis</i> Confirms a Five Locus Model with Differences in Gene Expressivity and Penetrance. <i>Plant Cell</i> , 2005, 17, 13-24.	6.6	88
40	The Triploid Endosperm Genome of <i>Arabidopsis</i> Adopts a Peculiar, Parental-Dosage-Dependent Chromatin Organization. <i>Plant Cell</i> , 2007, 19, 1782-1794.	6.6	85
41	Plant Chromosome Analysis and Sorting by Flow Cytometry. <i>Critical Reviews in Plant Sciences</i> , 1994, 13, 275-309.	5.7	81
42	Molecular, genetic and evolutionary analysis of a paracentric inversion in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2016, 88, 159-178.	5.7	81
43	Distribution of heterochromatin in a reconstructed karyotype of <i>Vicia faba</i> as identified by banding- and DNA-late replication patterns. <i>Chromosoma</i> , 1978, 69, 193-209.	2.2	80
44	Midiprep method for isolation of DNA from plants with a high content of polyphenolics. <i>Nucleic Acids Research</i> , 1993, 21, 3328-3330.	14.5	80
45	<i>Arabidopsis</i> KINETOCHORE NULL2 Is an Upstream Component for Centromeric Histone H3 Variant cenH3 Deposition at Centromeres. <i>Plant Cell</i> , 2013, 25, 3389-3404.	6.6	80
46	An efficient screening for terminal deletions and translocations of barley chromosomes added to common wheat. <i>Plant Journal</i> , 1998, 14, 489-495.	5.7	78
47	Organization and dynamics of plant interphase chromosomes. <i>Trends in Plant Science</i> , 2011, 16, 273-281.	8.8	77
48	Localization of seed protein genes on flow-sorted field bean chromosomes. <i>Chromosome Research</i> , 1993, 1, 107-115.	2.2	76
49	Mobile nucleolus organizing regions (NORs) in <i>Allium</i> (Liliaceae s. lat.)? ? Inferences from the specificity of silver staining. <i>Plant Systematics and Evolution</i> , 1984, 144, 291-305.	0.9	74
50	Adaptation to alkylation damage in DNA measured by the comet assay. <i>Environmental and Molecular Mutagenesis</i> , 2000, 36, 146-150.	2.2	74
51	Chromosome painting in plants ? a feasible technique?. <i>Chromosoma</i> , 1996, 104, 315-320.	2.2	72
52	Coevolution of apomixis and genome size within the genus <i>Hypericum</i> . <i>Sexual Plant Reproduction</i> , 2003, 16, 51-58.	2.2	70
53	Position-dependent NOR activity in barley. <i>Chromosoma</i> , 1990, 99, 352-359.	2.2	68
54	Interphase Chromosome Arrangement in <i>Arabidopsis thaliana</i> Is Similar in Differentiated and Meristematic Tissues and Shows a Transient Mirror Symmetry After Nuclear Division. <i>Genetics</i> , 2007, 176, 853-863.	2.9	67

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55	Satellite DNA in <i>Vicia faba</i> is characterized by remarkable diversity in its sequence composition, association with centromeres, and replication timing. <i>Scientific Reports</i> , 2018, 8, 5838.	3.3	66
56	Generating a high-confidence reference genome map of the Greater Duckweed by integration of cytogenomic, optical mapping, and Oxford Nanopore technologies. <i>Plant Journal</i> , 2018, 96, 670-684.	5.7	64
57	Molecular-cytogenetic characterization of the <i>Vicia faba</i> genome—heterochromatin differentiation, replication patterns and sequence localization. <i>Chromosome Research</i> , 1998, 6, 219-230.	2.2	63
58	Assignment of linkage groups to pea chromosomes after karyotyping and gene mapping by fluorescent in situ hybridization. <i>Chromosoma</i> , 1998, 107, 272-276.	2.2	61
59	Chromosome arrangement and nuclear architecture but not centromeric sequences are conserved between <i>Arabidopsis thaliana</i> and <i>Arabidopsis lyrata</i> . <i>Plant Journal</i> , 2006, 48, 771-783.	5.7	61
60	Tandem repetitive transgenes and fluorescent chromatin tags alter local interphase chromosome arrangement in <i>Arabidopsis thaliana</i> . <i>Journal of Cell Science</i> , 2005, 118, 3751-3758.	2.0	59
61	Sister Chromatids Are Often Incompletely Aligned in Meristematic and Endopolyploid Interphase Nuclei of <i>Arabidopsis thaliana</i> . <i>Genetics</i> , 2006, 172, 467-475.	2.9	58
62	The MCM-Binding Protein ETG1 Aids Sister Chromatid Cohesion Required for Postreplicative Homologous Recombination Repair. <i>PLoS Genetics</i> , 2010, 6, e1000817.	3.5	58
63	Chromosome "painting" in plants: a feasible technique?. <i>Chromosoma</i> , 1996, 104, 315-320.	2.2	58
64	Repair of Site-Specific DNA Double-Strand Breaks in Barley Occurs via Diverse Pathways Primarily Involving the Sister Chromatid. <i>Plant Cell</i> , 2014, 26, 2156-2167.	6.6	55
65	Cytogenetic Analyses of <i>Arabidopsis</i> . , 2006, 323, 173-186.		52
66	Dynamics of a novel centromeric histone variant CenH3 reveals the evolutionary ancestral timing of centromere biogenesis. <i>Nucleic Acids Research</i> , 2010, 38, 7526-7537.	14.5	52
67	Synteny between <i>Brachypodium distachyon</i> and <i>Hordeum vulgare</i> as revealed by FISH. <i>Chromosome Research</i> , 2010, 18, 841-850.	2.2	50
68	Stable gene replacement in barley by targeted double-strand break induction. <i>Journal of Experimental Botany</i> , 2016, 67, 1433-1445.	4.8	49
69	Variation in genome size, cell and nucleus volume, chromosome number and rDNA loci among duckweeds. <i>Scientific Reports</i> , 2019, 9, 3234.	3.3	49
70	Utility of DNA amplified by degenerate oligonucleotide-primed PCR (DOP-PCR) from the total genome and defined chromosomal regions of field bean. <i>Molecular Genetics and Genomics</i> , 1994, 243, 173-177.	2.4	46
71	A taxonomic revision of <i>Lemna</i> sect. <i>Uninerves</i> (Lemnaceae). <i>Taxon</i> , 2020, 69, 56-66.	0.7	46
72	Cohesin gene defects may impair sister chromatid alignment and genome stability in <i>Arabidopsis thaliana</i> . <i>Chromosoma</i> , 2009, 118, 591-605.	2.2	45

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73	Comparative Genome Analysis Reveals Divergent Genome Size Evolution in a Carnivorous Plant Genus. <i>Plant Genome</i> , 2015, 8, eplantgenome2015.04.0021.	2.8	45
74	Primed in situ labelling facilitates flow sorting of similar sized chromosomes. <i>Plant Journal</i> , 1995, 7, 1039-1044.	5.7	44
75	Induction of telomere-mediated chromosomal truncation and stability of truncated chromosomes in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2011, 68, 28-39.	5.7	44
76	Differential immunostaining of plant chromosomes by antibodies recognizing acetylated histone H4 variants. <i>Chromosome Research</i> , 1996, 4, 191-194.	2.2	42
77	Chromosomal localization of rDNA in the Brassicaceae. <i>Genome</i> , 2005, 48, 341-346.	2.0	42
78	The Arabidopsis CAP-D proteins are required for correct chromatin organisation, growth and fertility. <i>Chromosoma</i> , 2013, 122, 517-533.	2.2	42
79	Super-Resolution Microscopy Reveals Diversity of Plant Centromere Architecture. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3488.	4.1	42
80	The chromosomal distribution of histone methylation marks in gymnosperms differs from that of angiosperms. <i>Chromosome Research</i> , 2008, 16, 891-898.	2.2	41
81	Telomere-mediated truncation of barley chromosomes. <i>Chromosoma</i> , 2012, 121, 181-190.	2.2	41
82	Centromere and telomere sequence alterations reflect the rapid genome evolution within the carnivorous plant genus <i>Genlisea</i> . <i>Plant Journal</i> , 2015, 84, 1087-1099.	5.7	41
83	Histone H4 acetylation in plant heterochromatin is altered during the cell cycle. <i>Chromosoma</i> , 1997, 106, 193-197.	2.2	40
84	The E2F transcription factor family regulates <i>CENH3</i> expression in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2011, 68, 646-656.	5.7	40
85	The map-based genome sequence of <i>Spirodela polyrhiza</i> aligned with its chromosomes, a reference for karyotype evolution. <i>New Phytologist</i> , 2016, 209, 354-363.	7.3	40
86	Phylogenetic conclusions from Giemsa banding and NOR staining in top onions (Liliaceae). <i>Plant Systematics and Evolution</i> , 1983, 143, 245-256.	0.9	38
87	The comet assay detects adaptation to MNU-induced DNA damage in barley. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001, 493, 95-100.	1.7	38
88	Loading time of the centromeric histone H3 variant differs between plants and animals. <i>Chromosoma</i> , 2007, 116, 507-510.	2.2	38
89	Detection of specific DNA lesions by a combination of comet assay and FISH in plants. , 2000, 35, 132-138.		37
90	Recognition of <i>A. thaliana</i> centromeres by heterologous CENH3 requires high similarity to the endogenous protein. <i>Plant Molecular Biology</i> , 2011, 75, 253-261.	3.9	36

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91	Mechanisms of Chromosome Rearrangements. , 2013, , 137-147.		36
92	Regulation of Arabidopsis thaliana 5S rRNA Genes. Plant and Cell Physiology, 2007, 48, 745-752.	3.1	34
93	Deletionâ€bias in <scp>DNA</scp> doubleâ€strand break repair differentially contributes to plant genome shrinkage. New Phytologist, 2017, 214, 1712-1721.	7.3	34
94	Endogenous sequence patterns predispose the repair modes of <scp>CRISPR</scp>/Cas9â€induced <scp>DNA</scp> doubleâ€stranded breaks in <i>Arabidopsis thaliana</i>. Plant Journal, 2017, 92, 57-67.	5.7	34
95	Evolutionary conservation of kinetochore protein sequences in plants. Chromosoma, 2000, 109, 482-489.	2.2	33
96	Arabidopsis CBF5 interacts with the H/ACA snoRNP assembly factor NAF1. Plant Molecular Biology, 2007, 65, 615-626.	3.9	33
97	Deposition, turnover, and release of CENH3 at Arabidopsis centromeres. Chromosoma, 2011, 120, 633-640.	2.2	32
98	Genomic in situ hybridization in plants with small genomes is feasible and elucidates the chromosomal parentage in interspecific <i>Arabidopsis</i> hybrids. Genome, 2004, 47, 954-960.	2.0	31
99	Engineered Plant Minichromosomes: A Bottom-Up Success?. Plant Cell, 2008, 20, 8-10.	6.6	31
100	Comparative analysis of the functional genome architecture of animal and plant cell nuclei. Chromosome Research, 2003, 11, 471-484.	2.2	30
101	The nodule-specific VFNOD-GRP3 gene encoding a glycine-rich early nodulin is located on chromosome I of Vicia faba L. and is predominantly expressed in the interzone II-III of root nodules. Plant Molecular Biology, 1995, 28, 405-421.	3.9	29
102	Loading of the centromeric histone H3 variant during meiosisâ€how does it differ from mitosis?. Chromosoma, 2014, 123, 491-497.	2.2	29
103	What is behind â€centromere repositioningâ€. Chromosoma, 2018, 127, 229-234.	2.2	29
104	Sister chromatid exchanges and heterochromatin. Human Genetics, 1981, 57, 119-30.	3.8	28
105	Localization of vicilin genes via polymerase chain reaction on microisolated field bean chromosomes. Plant Journal, 1993, 3, 883-886.	5.7	28
106	Alteration of basic chromosome number by fusionâ€fission cycles. Genome, 1995, 38, 1289-1292.	2.0	28
107	Karyotype analysis of Helianthus annuus using Giemsa banding and fluorescence in situ hybridization. Chromosome Research, 1997, 5, 451-456.	2.2	27
108	A comparison of N-methyl-N-nitrosourea-induced chromatid aberrations and micronuclei in barley meristems using FISH techniques. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2002, 517, 47-51.	1.7	27

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109	DNA hypomethylation reduces homologous pairing of inserted tandem repeat arrays in somatic nuclei of <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2005, 44, 531-540.	5.7	27
110	Engineered Plant Minichromosomes: A Resurrection of B Chromosomes?. <i>Plant Cell</i> , 2007, 19, 2323-2327.	6.6	27
111	Size and number of tandem repeat arrays can determine somatic homologous pairing of transgene loci mediated by epigenetic modifications in <i>Arabidopsis thaliana</i> nuclei. <i>Chromosoma</i> , 2008, 117, 267-276.	2.2	27
112	Reconstruction of chromosome rearrangements between the two most ancestral duckweed species <i>Spirodela polyrhiza</i> and <i>S. intermedia</i> . <i>Chromosoma</i> , 2017, 126, 729-739.	2.2	27
113	In situ localization of yeast artificial chromosome sequences on tomato and potato metaphase chromosomes. <i>Chromosome Research</i> , 1996, 4, 277-281.	2.2	25
114	Late-replicating satellites: something for all centromeres?. <i>Trends in Genetics</i> , 1998, 14, 385-386.	6.7	25
115	Chromatin associations in <i>Arabidopsis</i> interphase nuclei. <i>Frontiers in Genetics</i> , 2014, 5, 389.	2.3	25
116	Random homologous pairing and incomplete sister chromatid alignment are common in angiosperm interphase nuclei. <i>Molecular Genetics and Genomics</i> , 2007, 278, 167-176.	2.1	24
117	Metatranscriptome analysis reveals host-microbiome interactions in traps of carnivorous <i>Genlisea</i> species. <i>Frontiers in Microbiology</i> , 2015, 6, 526.	3.5	23
118	Chromosome-scale genome assembly for the duckweed <i>Spirodela intermedia</i> , integrating cytogenetic maps, PacBio and Oxford Nanopore libraries. <i>Scientific Reports</i> , 2020, 10, 19230.	3.3	23
119	Direct labelling of BAC-DNA by rolling-circle amplification. <i>Plant Journal</i> , 2006, 45, 857-862.	5.7	22
120	Structure-function relationships during transgenic telomerase expression in <i>Arabidopsis</i> . <i>Physiologia Plantarum</i> , 2013, 149, 114-126.	5.2	22
121	Comparative analysis of epigenetic inhibitors reveals different degrees of interference with transcriptional gene silencing and induction of DNA damage. <i>Plant Journal</i> , 2020, 102, 68-84.	5.7	22
122	Impact of environmental and endogenous factors on endopolyploidization in angiosperms. <i>Environmental and Experimental Botany</i> , 2007, 60, 404-411.	4.2	21
123	Chromosomal Distribution and Functional Interpretation of Epigenetic Histone Marks in Plants. , 2012, , 231-253.		19
124	The <i>Arabidopsis</i> checkpoint protein Bub3.1 is essential for gametophyte development. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 5202.	3.0	19
125	De novo generation of plant centromeres at tandem repeats. <i>Chromosoma</i> , 2013, 122, 233-241.	2.2	18
126	Aneuploids as a key for new molecular cloning strategies: development of DNA markers by microdissection using <i>Triticum aestivum</i> - <i>Aegilops markgrafii</i> chromosome addition line B. <i>Euphytica</i> , 1996, 89, 41-47.	1.2	17

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127	Pairing of lacO tandem repeats in Arabidopsis thaliana nuclei requires the presence of hypermethylated, large arrays at two chromosomal positions, but does not depend on H3-lysine-9-dimethylation. Chromosoma, 2011, 120, 609-619.	2.2	17
128	Patterns of nucleotide asymmetries in plant and animal genomes. BioSystems, 2013, 111, 181-189.	2.0	17
129	Non-random intrachromosomal distribution of radiation-induced chromatid aberrations in Vicia faba. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1976, 35, 79-90.	1.0	16
130	Non-random chromosome arrangement in triploid endosperm nuclei. Chromosoma, 2017, 126, 115-124.	2.2	16
131	On the origin of hydroxyurea-induced chromatid aberrations in G2 chromosomes with BrdUrd in only one of the sister chromatids. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1983, 108, 301-316.	1.0	15
132	Removal of O6-methylguanine from plant DNA in vivo is accelerated under conditions of clastogenic adaptation. , 1997, 29, 400-405.		15
133	Hypomethylation and hypermethylation of the tandem repetitive 5S rRNA genes in Arabidopsis. Plant Journal, 2008, 54, 299-309.	5.7	15
134	Formation and repair of O6-methylguanine in recombination hot spots of plant chromosomes. Environmental and Molecular Mutagenesis, 1997, 29, 394-399.	2.2	13
135	Transient CENP-E-like kinetochore proteins in plants. Chromosome Research, 2002, 10, 561-570.	2.2	13
136	Arabidopsis sister chromatids often show complete alignment or separation along a 1.2-Mb euchromatic region but no cohesion "hot spots". Chromosoma, 2008, 117, 261-266.	2.2	13
137	Localization of 5S RNA genes on tobacco chromosomes. Chromosome Research, 2000, 8, 85-87.	2.2	12
138	No Evidence for "Break-Induced Replication" in a Higher Plant " But Break-Induced Conversion May Occur. Frontiers in Plant Science, 2011, 2, 8.	3.6	11
139	Boon and Bane of DNA Double-Strand Breaks. International Journal of Molecular Sciences, 2021, 22, 5171.	4.1	10
140	Are SCE frequencies indicative of adaptive response of plant cells?. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1989, 211, 301-306.	1.0	9
141	Restriction Endonuclease (Re-) Banding of Plant Chromosomes. Caryologia, 1990, 43, 117-130.	0.3	9
142	Chromosome painting in plants. , 2001, , 57-69.		9
143	A Specific γ -Tubulin is Associated with the Initiation of Parthenogenesis in "Salmon"™ Wheat Lines. Hereditas, 2004, 126, 219-224.	1.4	9
144	Limitation of current probe design for oligo-cross-FISH, exemplified by chromosome evolution studies in duckweeds. Chromosoma, 2021, 130, 15-25.	2.2	9

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145	Chromosome identification for the carnivorous plant <i>Genlisea margaretae</i> . <i>Chromosoma</i> , 2017, 126, 389-397.	2.2	7
146	'Sex and crime' in evolution - why sexuality was so successful. <i>Genes and Genetic Systems</i> , 2011, 86, 1-6.	0.7	6
147	The Ribosomal DNA Loci of the Ancient Monocot <i>Pistia stratiotes</i> L. (Araceae) Contain Different Variants of the 35S and 5S Ribosomal RNA Gene Units. <i>Frontiers in Plant Science</i> , 2022, 13, 819750.	3.6	6
148	Recurrent sequence exchange between homeologous grass chromosomes. <i>Plant Journal</i> , 2015, 84, 747-759.	5.7	5
149	Chromatin organization and cytological features of carnivorous <i>Genlisea</i> species with large genome size differences. <i>Frontiers in Plant Science</i> , 2015, 6, 613.	3.6	5
150	DNA content, rDNA loci, and DAPI bands reflect the phylogenetic distance between <i>Lathyrus</i> species. <i>Genome</i> , 2000, 43, 1027-1032.	2.0	5
151	Engineered plant minichromosomes. <i>International Journal of Developmental Biology</i> , 2013, 57, 651-657.	0.6	5
152	Karyotype Reconstruction in Plants with Special Emphasis on <i>Vicia faba</i> L.. <i>Developments in Plant Genetics and Breeding</i> , 1991, 2, 113-140.	0.6	5
153	Organization of 5 S RNA genes in <i>vicia faba</i> . <i>FEBS Letters</i> , 1978, 96, 19-22.	2.8	3
154	People must be judged in the context of their time. <i>Nature</i> , 2000, 404, 330-330.	27.8	3
155	Silver Staining of Nucleolus Organizing Regions in <i>Zea Mays</i> . <i>Caryologia</i> , 1985, 38, 331-334.	0.3	2
156	The cytogenetics and genomics of crop plants. <i>Chromosome Research</i> , 2007, 15, 1-2.	2.2	2
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