Nonisotopic in situ hybridization and plant genome ma

Genome

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Citation Report

#	Article	IF	Citations
1	Metaphase and interphase fluorescence in situ hybridization mapping of the rice genome with bacterial artificial chromosomes.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 4487-4491.	3.3	369
2	Cytologically based physical maps of the group-2 chromosomes of wheat. Theoretical and Applied Genetics, 1995, 91, 568-573.	1.8	105
3	Identification of the parental chromosomes of the wheatâ€“alien amphiploid Agrotana by genomic in situ hybridization. Genome, 1995, 38, 1163-1169.	0.9	54
4	Fluorescent in situ hybridization of a bacterial artificial chromosome. Genome, 1995, 38, 646-651.	0.9	107
5	Refined physical mapping of the Sec-1 locus on the satellite of chromosome 1R of rye (Secale cereale). Genome, 1995, 38, 889-893.	0.9	36
6	The use of double fluorescence in situ hybridization to physically map the positions of 5S rDNA genes in relation to the chromosomal location of 18Sâ€“5.8Sâ€“26S rDNA and a C genome specific DNA sequence in the genusAvena. Genome, 1996, 39, 535-542.	0.9	111
7	Chromosomes Today. , 1996, , .		0
8	Chromosome ?painting? in plants ? a feasible technique?. Chromosoma, 1996, 104, 315-320.	1.0	72
9	High-resolution mapping on pachytene chromosomes and extended DNA fibres by fluorescencein-situ hybridisation. Plant Molecular Biology Reporter, 1996, 14, 232-242.	1.0	102
10	Interphase fluorescence in situ hybridization mapping: a physical mapping strategy for plant species with large complex genomes. Molecular Genetics and Genomics, 1996, 252, 497-502.	2.4	72
11	The use of combined FISH/GISH in conjuction with DAPI counterstaining to identify chromosomes containing transgene inserts in amphidiploid tobacco. Chromosoma, 1996, 105, 321-326.	1.0	4
12	The use of combined FISH/GISH in conjunction with DAPI counterstaining to identify chromosomes containing transgene inserts in amphidiploid tobacco. Chromosoma, 1996, 105, 231-236.	1.0	134
13	Characterisation of the double genome structure of modern sugarcane cultivars (Saccharum spp.) by molecular cytogenetics. Molecular Genetics and Genomics, 1996, 250, 405-413.	2.4	343
14	Preparation of tomato meiotic pachytene and mitotic metaphase chromosomes suitable for fluorescencein situ hybridization (FISH). Chromosome Research, 1996, 4, 24-28.	1.0	142
15	In situ localization of yeast artificial chromosome sequences on tomato and potato metaphase chromosomes. Chromosome Research, 1996, 4, 277-281.	1.0	25
16	Molecular-cytogenetic characterization of a higher plant centromere/kinetochore complex. Theoretical and Applied Genetics, 1996, 93, 477-484.	1.8	20
17	New molecular tools to improve the efficiency of breeding for increased drought resistance. Plant Growth Regulation, 1996, 20, 167-178.	1.8	48
18	Physical mapping of translocation breakpoints in a set of wheat-Aegilops umbellulata recombinant lines using in situ hybridization. Theoretical and Applied Genetics, 1996, 93-93, 816-825.	1.8	27

#	Article	IF	Citations
19	Successful hybridization between Lolium and Dactylis. Plant Breeding, 1996, 115, 101-105.	1.0	6
20	In Situ Hybridization of Ribosomal DNA to Rose Chromosomes. Journal of Heredity, 1997, 88, 158-161.	1.0	34
21	Physical localisation of repetitive DNA sequences in Alstroemeria: karyotyping of two species with species-specific and ribosomal DNA. Genome, 1997, 40, 652-658.	0.9	38
22	Identification of the entire chromosome complement of bread wheat by two-colour FISH. Genome, 1997, 40, 589-593.	0.9	182
23	Physical and genetical mapping of rDNA sites in Pennisetum (pearl millet). Heredity, 1997, 78, 529-531.	1.2	8
24	Physical mapping of 5S and 18S-26S ribosomal RNA gene families inAllium victorialis var.platyphyllum. Journal of Plant Biology, 1997, 40, 132-137.	0.9	4
25	Molecular cytogenetics of plant genome. Journal of Plant Biology, 1997, 40, 149-155.	0.9	0
26	Induction of small-segment-translocation between wheat and rye chromosomes. Science in China Series C: Life Sciences, 1997, 40, 323-331.	1.3	24
27	In situ hybridization in Actinidia using repeat DNA and genomic probes. Theoretical and Applied Genetics, 1997, 94, 507-513.	1.8	22
28	Homoeologous pairing and recombination in backcross derivatives of tomato somatic hybrids [Lycopersicon esculentum (+) L. peruvianum]. Theoretical and Applied Genetics, 1997, 94, 713-723.	1.8	46
29	Localization of introduced genes on the chromosomes of transgenic barley, wheat and triticale by fluorescence in situ hybridization. Theoretical and Applied Genetics, 1997, 94, 749-757.	1.8	84
30	Mapping of repeated DNA sequences in plant chromosomes by PRINS and C-PRINS. Theoretical and Applied Genetics, 1997, 94, 758-763.	1.8	62
31	Molecular cytogenetics of the genes encoding 18s-5.8s-26s rRNA and 5s rRNA in two species of spruce (Picea). Theoretical and Applied Genetics, 1997, 95, 1-9.	1.8	65
32	Molecular cytogenetic analysis of Leymus racemosus chromosomes added to wheat. Theoretical and Applied Genetics, 1997, 95, 1084-1091.	1.8	60
33	Genomic in situ hybridization in Brassica amphidiploids and interspecific hybrids. Theoretical and Applied Genetics, 1997, 95, 1320-1324.	1.8	125
34	Fish technology in chromosome and genome research. BioEssays, 1997, 19, 75-84.	1.2	55
35	Chromosomal localization and distribution of simple sequence repeats and the Arabidopsis-type telomere sequence in the genome of Cicer arietinum L. Chromosome Research, 1998, 6, 97-104.	1.0	41
36	Physical mapping of unique nucleotide sequences on identified rice chromosomes. Plant Molecular Biology, 1998, 38, 1043-1052.	2.0	86

#	Article	IF	Citations
37	Optimization of PRINS and C-PRINS for detection of telomeric sequences in Vicia faba. Biologia Plantarum, 1998, 41, 177-184.	1.9	11
38	Genome analysis of Thinopyrum intermedium and Thinopyrum ponticum using genomic in situ hybridization. Genome, 1998, 41, 580-586.	0.9	186
39	Characterization of wheat-triticale doubled haploid lines by cytological and biochemical markers. Plant Breeding, 1998, 117, 7-12.	1.0	6
40	Plant cytogenetics at the dawn of the 21st century. Current Opinion in Plant Biology, 1998, 1, 109-115.	3.5	69
41	Physical location of the ricePi-5(t), Glh andRTSV genes by ISH of BAC clones. Wuhan University Journal of Natural Sciences, 1998, 3, 226-230.	0.2	9
42	Relationship between parental chromosomic contribution and nuclear DNA content in the coffee interspecific hybrid C. pseudozanguebariaeÃ—C. liberica var â€˜dewevreiâ€™. Theoretical and Applied Genetics, 1998, 96, 301-305.	1.8	27
43	Genomic characterisation and the detection of raspberry chromatin in polyploid Rubus. Theoretical and Applied Genetics, 1998, 97, 1027-1033.	1.8	60
44	A comparison of sequence resolution on plant chromosomes: PRINS versus FISH. Theoretical and Applied Genetics, 1998, 97, 1314-1320.	1.8	35
45	Chromosome microâ€dissection and regionâ€specific libraries from pachytene chromosomes of maize (Zea) Tj ETQq0 0 0 rgBT /Overloc	2.8	38
46	A Method for Fluorescencein SituHybridization against Synaptonemal Complex-Associated Chromatin of Plant Meiocytes. Experimental Cell Research, 1998, 239, 179-182.	1.2	14
47	Chromosomal structural rearrangement of Paeonia brownii and P. californica revealed by fluorescence in situ hybridization. Genome, 1998, 41, 848-853.	0.9	22
48	Identification of alien chromosomes in a series of Allium fistulosum. A. cepa monosomic addition lines by means of genomic in situ hybridization.. Genes and Genetic Systems, 1998, 73, 311-315.	0.2	19
49	FISH and RFLP Marker-Assisted Introgression of Festuca mairei Chromosomes into Lolium perenne. Crop Science, 1999, 39, 1676-1679.	0.8	14
50	Physical mapping of ribosomal RNA genes in peonies (Paeonia, Paeoniaceae) by fluorescent in situ hybridization: implications for phylogeny and concerted evolution. American Journal of Botany, 1999, 86, 735-740.	0.8	109
51	Towards identification of individual homologous chromosomes: comparative genomic hybridization and spectral karyotyping discriminate between paternal and maternal euchromatin in Mus musculus Ã— M.Aspretus interspecific hybrids. Cytogenetic and Genome Research, 1999, 86, 187-193.	0.6	7
52	Homoeologous chromosome pairing in the distant hybrid Alstroemeria aurea Ã— A. inodora and the genome composition of its backcross derivatives determined by fluorescence in situ hybridization with species-specific probes. Heredity, 1999, 82, 69-78.	1.2	44
53	Direct measurement of recombination frequency in interspecific hybrids between Hordeum vulgare and H. bulbosum using genomic in situ hybridization. Heredity, 1999, 83, 304-309.	1.2	28
54	Biochemical, molecular, and cytogenetic technologies for characterizing 1RS in wheat: A review. Euphytica, 1999, 108, 1-19.	0.6	30

#	Article	IF	Citations
55	Molecular cytogenetic identification of wheat-Elymus tsukushiense introgression lines. Euphytica, 1999, 107, 217-224.	0.6	13
56	Development of wheat scab symptoms is delayed in transgenic wheat plants that constitutively express a rice thaumatin-like protein gene. Theoretical and Applied Genetics, 1999, 99, 755-760.	1.8	184
57	The extent and position of homoeologous recombination in a distant hybrid of Alstroemeria : a molecular cytogenetic assessment of first generation backcross progenies. Chromosoma, 1999, 108, 52-63.	1.0	29
58	Microdissection and microcloning of rye (Secale cereale L.) chromosome 1R. Chromosoma, 1999, 108, 250-255.	1.0	40
59	Cytological characterization of potato - Solanum etuberosum somatic hybrids and their backcross progenies by genomic in situ hybridization. Genome, 1999, 42, 987-992.	0.9	37
60	Detection of a variable number of 18S-5.8S-26S and 5S ribosomal DNA loci by fluorescent in situ hybridization in diploid and tetraploid Arachis species. Genome, 1999, 42, 52-59.	0.9	75
61	Quantitative karyotyping and dual-color FISH mapping of 5S and 18S-25S rDNA probes in the cultivatedPhaseolusspecies (Leguminosae). Genome, 1999, 42, 1224-1233.	0.9	110
62	Chromosome-mediated and direct gene transfers in wheat. Genome, 1999, 42, 570-583.	0.9	81
63	Homoeologous recombination in 2n-gametes producing interspecific hybrids ofLilium(Liliaceae) studied by genomic in situ hybridization (GISH). Genome, 1999, 42, 681-686.	0.9	73
64	Visualization of Oryza eichingeri chromosomes in intergenomic hybrid plants from O. sativa Ã— O. eichingeri via fluorescent in situ hybridization. Genome, 1999, 42, 48-51.	0.9	22
65	Mammalian Apoptosis-associated Genes c-myc and p53 in Maize. Homologs and Their Locations.. Cytologia, 2000, 65, 261-270.	0.2	0
66	Title is missing!. Euphytica, 2000, 112, 117-123.	0.6	57
67	FISH to mitotic chromosomes and extended DNA fibres of Beta procumbens in a series of monosomic additions to beet (B. vulgaris). Chromosome Research, 2000, 8, 285-293.	1.0	14
68	The interspecific genome structure of cultivated banana, Musa spp. revealed by genomic DNA in situ hybridization. Theoretical and Applied Genetics, 2000, 100, 177-183.	1.8	129
69	The pachytene chromosomes of maize as revealed by fluorescence in situ hybridization with repetitive DNA sequences. Theoretical and Applied Genetics, 2000, 101, 30-36.	1.8	47
70	Development and applications of a set of chromosome-specific cytogenetic DNA markers in potato. Theoretical and Applied Genetics, 2000, 101, 1001-1007.	1.8	196
71	Mapping a new frontier; development of integrated cytogenetic maps in plants. Functional and Integrative Genomics, 2000, 1, 89-98.	1.4	54
72	Chromosomes Today. , 2000, , .		0

#	Article	IF	Citations
73	Some aspects of plant karyology and karyosystematics. International Review of Cytology, 2000, 196, 131-175.	6.2	25
74	Genomic in situ hybridization (GISH) reveals high chromosome pairing affinity between Lolium perenne and Festuca mairei. Genome, 2000, 43, 398-403.	0.9	28
75	Production and meiotic pairing behaviour of new hybrids of winter wheat (Triticum aestivum) Ã— winter barley (Hordeum vulgare). Genome, 2000, 43, 1045-1054.	0.9	36
76	An Improved Nonfluorescent Detection System for in Situ Hybridization in Plants. Biotechnic and Histochemistry, 2000, 75, 49-53.	0.7	4
77	Ribosomal DNA evolution and phylogeny inAloe(Asphodelaceae). American Journal of Botany, 2000, 87, 1578-1583.	0.8	95
78	GISH technology in plant genome research. , 2001, , 83-104.		3
80	Plant systematics in the next 50 yearsâ€”reâ€mapping the new frontier. Taxon, 2001, 50, 713-732.	0.4	27
81	Intraspecific variation of 18S-5.8S-26S rDNA sites revealed by FISH and RFLP in wild oat, Avena agadiriana.. Genes and Genetic Systems, 2001, 76, 9-14.	0.2	26
82	Identification of genome constitution of Oryza malampuzhaensis, O. minuta,and O. punctata by multicolor genomic in situ hybridization. Theoretical and Applied Genetics, 2001, 103, 204-211.	1.8	33
83	Distribution of rDNA loci in the genus Glycine Willd.. Theoretical and Applied Genetics, 2001, 103, 212-218.	1.8	51
84	FISH analysis of the integration patterns in transgenic rice co-transformed by microprojectile bombardment. Science Bulletin, 2001, 46, 1965-1968.	1.7	2
85	Physical location of riceGm-6, Pi-5(t) genes inO. officinalis with BAC-FISH. Science Bulletin, 2001, 46, 659-661.	1.7	8
86	Integration of the FISH pachytene and genetic maps ofMedicago truncatula. Plant Journal, 2001, 27, 49-58.	2.8	186
87	Introduction into Plant Genomics. Molecular Biology, 2001, 35, 285-293.	0.4	7
88	Molecular cytogenetics of introgressive hybridization in plants. Cytotechnology, 2001, 23, 141-150.	0.7	24
89	High resolution FISH to delineate contiguous and small DNA sequences. Cytotechnology, 2001, 23, 151-156.	0.7	4
90	GISH technology in plant genome research. Cytotechnology, 2001, 23, 83-104.	0.7	57
91	Localization of Human Ribosomal Gene DNA Probes on Barley Chromosomes. Russian Journal of Genetics, 2001, 37, 1452-1454.	0.2	3

#	Article	IF	Citations
92	Physical mapping of restriction fragment length polymorphism (RFLP) markers in homoeologous groups 1 and 3 chromosomes of wheat by in situ hybridization. Genome, 2001, 44, 401-412.	0.9	21
93	Fluorescence in situ Hybridization Analysis of Alien Genes in Agrobacteriumâ€mediated Cry1A(b)â€transformed Rice. Annals of Botany, 2002, 90, 31-36.	1.4	15
94	Microdissection of individual chromosomes of Thinopyrum intermedium and isolation of molecular markers that are useful in detecting Th. intermedium chromatin introgressed into wheat. Cereal Research Communications, 2002, 30, 253-260.	0.8	4
95	Physical location of a HSP70 gene homologue on the centromere of chromosome 1B of wheat (Triticum aestivum L.). Theoretical and Applied Genetics, 2002, 104, 184-191.	1.8	21
96	Comparison between genetic and physical maps in Zea mays L. of molecular markers linked to resistance against Diatraea spp.. Theoretical and Applied Genetics, 2002, 104, 908-915.	1.8	24
97	Use of fluorescence in situ hybridization for gross mapping of transgenes and screening for homozygous plants in transgenic barley (Hordeum vulgare L.). Theoretical and Applied Genetics, 2002, 106, 92-100.	1.8	25
98	Genomic relationships between Medicago murex Willd. and Medicago lesinsii E. Small. investigated by in situ hybridization. Theoretical and Applied Genetics, 2002, 105, 829-833.	1.8	18
99	Characterization of transgene loci in plants using FISH: A picture is worth a thousand words. Plant Cell, Tissue and Organ Culture, 2002, 69, 205-214.	1.2	23
100	Resolution of fluorescence in-situ hybridization mapping on rice mitotic prometaphase chromosomes, meiotic pachytene chromosomes and extended DNA fibers. Chromosome Research, 2002, 10, 379-387.	1.0	84
101	Title is missing!. Euphytica, 2002, 127, 227-234.	0.6	9
102	History of Modern Chromosomal Analysis. Differential Staining of Plant Chromosomes. Russian Journal of Developmental Biology, 2003, 34, 1-13.	0.1	2
103	Chromosomal localization of 5S and 18Sâ€“5.8Sâ€“25S ribosomal DNA sites in five Asian pines using fluorescence in situ hybridization. Theoretical and Applied Genetics, 2003, 106, 198-204.	1.8	67
104	Molecular cytogenetics of the genus Artemisia (Asteraceae, Anthemideae): fluorochrome banding and fluorescence in situ hybridization. I. Subgenus Seriphidium and related taxa. Plant Systematics and Evolution, 2003, 239, 141-153.	0.3	52
105	Genomic organization of rDNA loci in natural populations of Medicago truncatula Gaertn.. Hereditas, 2003, 138, 1-5.	0.5	11
106	Fluorescence in situ hybridization polymorphism using two repetitive DNA clones in different cultivars of wheat. Plant Breeding, 2003, 122, 396-400.	1.0	85
107	Construction of a garlic BAC library and chromosomal assignment of BAC clones using the FISH technique. Genome, 2003, 46, 514-520.	0.9	16
108	DNA, chromosomes, and in situ hybridization. Genome, 2003, 46, 953-962.	0.9	77
109	Physical mapping of the 18S-26S rDNA by fluorescent in situ hybridization (FISH) in Camellia reticulata polyploid complex (Theaceae). Plant Science, 2003, 164, 279-285.	1.7	29

#	Article	IF	Citations
110	Inheritance of Blue Grain Colour and Its Association with J and J^s Translocation Chromosomes in Wheat-Agrotana Hybrid Lines. Cytologia, 2003, 68, 307-315.	0.2	0
111	GENOME MAPPING. , 2004, , 7-16.		1
112	Karyotype analysis ofPlacea amoenaPhil. (Amaryllidaceae) by double fluorescencein situhybridization. Caryologia, 2004, 57, 200-205.	0.2	11
113	A Chromosome Bin Map of 2148 Expressed Sequence Tag Loci of Wheat Homoeologous Group 7. Genetics, 2004, 168, 687-699.	1.2	68
114	Molecular cytogenetic analysis of recently evolvedTragopogon(Asteraceae) allopolyploids reveal a karyotype that is additive of the diploid progenitors. American Journal of Botany, 2004, 91, 1022-1035.	0.8	99
115	Genome evolution in allotetraploid Nicotiana. Biological Journal of the Linnean Society, 2004, 82, 599-606.	0.7	163
116	The physical Location of Genes cdc2 and prh1 in Maize (Zea Mays L.). Hereditas, 2004, 126, 211-217.	0.5	18
117	The Physical Location of the Gene Ht1 (Helminthosporium Turcium Resistance1) in Maize (Zea Mays L.). Hereditas, 2004, 129, 101-106.	0.5	6
118	Molecular cytogenetic characterization of an alloplasmic durum wheat line with a portion of chromosome 1D of Triticum aestivum carrying the scsae gene. Genome, 2004, 47, 206-214.	0.9	14
119	Physical Mapping of Plant Chromosomes. , 2005, , 131-149.		1
120	Comparative karyotype analysis in Haplopappus Cass. and Grindelia Willd. (Asteraceae) by double FISH with rRNA specific genes. Plant Systematics and Evolution, 2005, 251, 161-172.	0.3	13
122	Genome Differentiation in Lycoris Species (Amaryllidaceae) Identified by Genomic in situ Hybridization. Breeding Science, 2005, 55, 265-269.	0.9	10
123	Localization of the 5S and 45S rDNA Sites and cpDNA Sequence Analysis in Species of the Quadrifaria Group of Paspalum (Poaceae, Paniceae). Annals of Botany, 2005, 96, 191-200.	1.4	63
124	Plant Genome Analysis: The State of the Art. International Review of Cytology, 2005, 247, 223-284.	6.2	14
125	Molecular Maps in Cereals: Methodology and Progress. , 2004, , 35-82.		5
126	Heterochromatin differentiation shows the pathways of karyotypic evolution in Israeli mole rats (Spalax, Spalacidae, Rodentia). Cytogenetic and Genome Research, 2005, 111, 159-165.	0.6	10
127	Relationships among 3 Kochia species based on PCR-generated molecular sequences and molecular cytogenetics. Genome, 2005, 48, 1104-1115.	0.9	9
128	Karyotype analysis in Chaetanthera chilensis (Willd.) DC. and Chaetanthera ciliata Ruiz et PavÃ³n (Asteraceae) by double fluorescence in situ hybridization. Caryologia, 2005, 58, 332-338.	0.2	5

#	Article	IF	Citations
129	Cytogenetic mapping in maize. Cytogenetic and Genome Research, 2005, 109, 63-69.	0.6	11
130	Detection of alien chromatin introgression from Thinopyrum into wheat using S genomic DNA as a probe â€“ A landmark approach for Thinopyrum genome research. Cytogenetic and Genome Research, 2005, 109, 350-359.	0.6	66
131	Preparation of Samples for Comparative Studies of Plant Chromosomes Using In Situ Hybridization Methods. Methods in Enzymology, 2005, 395, 443-460.	0.4	28
133	Sensitive fluorescencein situhybridization signal detection in maize using directly labeled probes produced by high concentration DNA polymerase nick translation. Biotechnic and Histochemistry, 2006, 81, 71-78.	0.7	147
134	Wheat Genetics Resource Center: The First 25 Years. Advances in Agronomy, 2006, 89, 73-136.	2.4	56
135	Wheat. , 2006, , 79-134.		6
137	Current status and the future of fluorescence in situ hybridization (FISH) in plant genome research. Genome, 2006, 49, 1057-1068.	0.9	329
138	Spontaneous Hybridization between Bread Wheat (Triticum aestivum L.) and Its Wild Relatives in Europe. Crop Science, 2006, 46, 512-527.	0.8	63
139	Genetic Tools from Nature and the Nature of Genetic Tools. Crop Science, 2006, 46, 2245-2252.	0.8	4
140	Variations of 18S rDNA Loci Among Six Populations of Paeonia obovata Maxim. (Paeoniaceae) Revealed by Fluorescence In Situ Hybridization. Journal of Integrative Plant Biology, 2006, 48, 497-502.	4.1	5
141	Ribosomal DNA locus evolution in Nemesia: transposition rather than structural rearrangement as the key mechanism?. Chromosome Research, 2006, 14, 845-857.	1.0	111
142	Construction of BAC and BIBAC libraries from sunflower and identification of linkage group-specific clones by overgo hybridization. Theoretical and Applied Genetics, 2006, 113, 23-32.	1.8	31
143	Localization of S Genes on Extended DNA Fibers (EDFs) in Brassica oleracea by High-Resolution FISH. Journal of Genetics and Genomics, 2006, 33, 277-283.	0.3	5
144	Karyotype Analysis of Gossypium arboreum Ã— G. bickii by Genome in situ Hybridization. Journal of Genetics and Genomics, 2006, 33, 565-572.	0.3	2
145	Characterization and Physical Mapping of Ribosomal RNA Gene Families in Plantago. Annals of Botany, 2006, 97, 541-548.	1.4	19
146	The Cytogenetics of Phalaenopsis Orchids. , 2007, , 115-128.		3
147	Use of fluorescence in situ hybridization as a tool for introgression analysis and chromosome identification in coffee (Coffea arabica L.). Genome, 2007, 50, 619-626.	0.9	25
148	Intergenomic translocations in unisexual salamanders of the genus Ambystoma (Amphibia,) Tj ETQq1 1 0.784314 rgBT /Overlo	0.6	37

#	Article	IF	Citations
149	Sugarcane. , 2007, , 175-203.		2
150	Garlic. , 2007, , 349-364.		1
151	Cytogenetics in the age of molecular genetics. Australian Journal of Agricultural Research, 2007, 58, 498.	1.5	24
152	Identification of Chromosomes from Multiple Rice Genomes Using a Universal Molecular Cytogenetic Marker System. Journal of Integrative Plant Biology, 2007, 49, 953-960.	4.1	14
153	Characterization of the gene Mre11 and evidence of silencing after polyploidization in Triticum. Theoretical and Applied Genetics, 2007, 114, 985-999.	1.8	10
154	Development of one set of chromosome-specific microsatellite-containing BACs and their physical mapping in Gossypium hirsutum L.. Theoretical and Applied Genetics, 2007, 115, 675-682.	1.8	48
155	The nonrandom distribution of long clusters of all possible classes of trinucleotide repeats in barley chromosomes. Chromosome Research, 2007, 15, 711-720.	1.0	58
156	Behavior of Meiotic Chromosomes in Pinus wallichiana, P. strobus and Their Hybrid and nrDNA Localization in Pollen Mother Cells of the Hybrid by Using FISH. Journal of Integrative Plant Biology, 2008, 50, 360-367.	4.1	4
157	Karyotype analysis and physical mapping of 45S rRNA genes in Hydrangea species by fluorescence in situ hybridization. Plant Breeding, 2008, 127, 301-307.	1.0	14
158	Physical organisation of simple sequence repeats (SSRs) in Triticeae: structural, functional and evolutionary implications. Cytogenetic and Genome Research, 2008, 120, 210-219.	0.6	73
159	Distribution of the tandem repeat sequences and karyotyping in cucumber (<i>Cucumis sativus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.6	66
160	The use of cytogenetic tools for studies in the crop-to-wild gene transfer scenario. Cytogenetic and Genome Research, 2008, 120, 384-395.	0.6	25
161	Identification of Wheat Chromosomes Sorted by Flow Cytometry. Acta Agronomica Sinica, 2008, 34, 89-94.	0.3	2
162	Genomics of Tropical Crop Plants. , 2008, , .		13
163	Physical localization of highly nutritional protein codingAmA1gene in amaranths through molecular cytogenetic tools. Caryologia, 2008, 61, 216-224.	0.2	3
164	Chromatin Structure and Physical Mapping of Chromosome 6 of Potato and Comparative Analyses With Tomato. Genetics, 2008, 180, 1307-1317.	1.2	82
165	IDENTIFICATION OF GENOME RELATIONSHIPS AMONG PAPHIOPEDILUM SPECIES BY GENOMIC AND FLUORESCENT IN SITU HYBRIDIZATION. Acta Horticulturae, 2008, , 331-334.	0.1	5
166	Dynamics of the Evolution of the Genus of Agrostis Revealed by GISH/FISH. Crop Science, 2009, 49, 2285-2290.	0.8	4

#	Article	IF	Citations
167	Analyses of karyotypes and comparative physical locations of the resistance gene, Xa-5, between Oryza sativa and Oryza officinalis. African Journal of Biotechnology, 2009, 8, 5673-5678.	0.3	3
168	Sequence polymorphism and chromosomal localization of 5S rDNA of three cultivated varieties of sweetpotato (Ipomoea batatas (L.) Lam.). Genes and Genomics, 2009, 31, 325-332.	0.5	2
169	Localization of <i>Rad50, </i>a Single-Copy Gene, on Group 5 Chromosomes of Wheat, Using a FISH Protocol Employing Tyramide for Signal Amplification (Tyr-FISH). Cytogenetic and Genome Research, 2009, 125, 321-328.	0.6	16
170	Progress of chromosome engineering mediated by asymmetric somatic hybridization. Journal of Genetics and Genomics, 2009, 36, 547-556.	1.7	50
171	KARYOMORPHOLOGICAL OBSERVATION ON SOME PAPHIOPEDILUM HYBRIDS. Acta Horticulturae, 2010, , 99-105.	0.1	2
172	Physical Mapping of rRNA Gene Loci and Inter-specific Relationships in Wild Lilium Distributed in Korea. Journal of Plant Biology, 2010, 53, 433-443.	0.9	37
173	Identification of disease resistances in wheat-Leymus multicaulis derivatives and characterization of L. multicaulis chromatin using microsatellite DNA markers. Frontiers of Agriculture in China, 2010, 4, 394-405.	0.2	1
174	Selection of U and M genome-specific wheat SSR markers using wheatâ€“Aegilops biuncialis and wheatâ€“Ae. geniculata addition lines. Euphytica, 2010, 175, 357-364.	0.6	15
175	Molecular cytogenetic characterization of the amphiploid between bread wheat and Psathyrostachys huashanica. Genetic Resources and Crop Evolution, 2010, 57, 111-118.	0.8	15
176	Do polyploids require proportionally less rDNA loci than their corresponding diploids? Examples from Artemisia subgenera Absinthium and Artemisia (Asteraceae, Anthemideae). Plant Biosystems, 2010, 144, 841-848.	0.8	11
177	Review of the Application of Modern Cytogenetic Methods (FISH/GISH) to the Study of Reticulation (Polyploidy/Hybridisation). Genes, 2010, 1, 166-192.	1.0	73
178	Karyotyping in Melon (Cucumis melo L.) by Cross-Species Fosmid Fluorescence in situ Hybridization. Cytogenetic and Genome Research, 2010, 129, 241-249.	0.6	26
179	Comparison of the chromosome maps around a resistance hot spot on chromosome 5 of potato and tomato using BAC-FISH painting. Genome, 2010, 53, 103-110.	0.9	7
180	Comparison of the distribution of the repetitive DNA sequences in three variants of Cucumis sativus reveals their phylogenetic relationships. Journal of Genetics and Genomics, 2011, 38, 39-45.	1.7	28
181	An integrated molecular cytogenetic map of Cucumis sativus L. chromosome 2. BMC Genetics, 2011, 12, 18.	2.7	25
182	Construction of Identification System for Alien Chromatin in Crop Plant. Procedia Environmental Sciences, 2011, 8, 637-644.	1.3	1
183	Aegilops. , 2011, , 1-76.		89
184	Fluorescence in situ hybridization on plant extended chromatin DNA fibers for single-copy and repetitive DNA sequences. Plant Cell Reports, 2011, 30, 1779-1786.	2.8	7

#	Article	IF	Citations
185	Conservation and loss of ribosomal RNA gene sites in diploid and polyploid Fragaria (Rosaceae). BMC Plant Biology, 2011, 11, 157.	1.6	43
186	Homoeologous chromosome pairing between the A and B genomes of Musa spp. revealed by genomic in situ hybridization. Annals of Botany, 2011, 108, 975-981.	1.4	36
187	The Selection and Use of Sorghum (Sorghum propinquum) Bacterial Artificial Chromosomes as Cytogenetic FISH Probes for Maize (Zea maysL.). Journal of Biomedicine and Biotechnology, 2011, 2011, 1-16.	3.0	2
188	Molecular cytogenetic characterization and stripe rust response of a trigeneric hybrid involving Triticum, Psathyrostachys, and Thinopyrum. Genome, 2012, 55, 383-390.	0.9	9
189	Molecular cytogenetic studies of the â€œXanthocephalum groupâ€•(Asteraceae). Plant Systematics and Evolution, 2012, 298, 1503-1514.	0.3	2
190	Dispersion of rDNA loci and its implications on intragenomic variability and phylogenetic studies in Camellia. Scientia Horticulturae, 2012, 137, 59-68.	1.7	8
191	Plant Cytogenetics. , 2012, , .		4
192	Cytogenetic Mapping in Plants. , 2012, , 79-119.		2
193	Identification of the full set of Fagopyrum esculentum trisomics by heterochromatin banding analysis and rDNA physical mapping. Scientia Horticulturae, 2013, 155, 15-23.	1.7	6
194	The Application of Biotechnology to Orchids. Critical Reviews in Plant Sciences, 2013, 32, 69-139.	2.7	127
195	U niqueness of the Gossypium mustelinum Genome Revealed by GISH and 45 S rDNA FISH. Journal of Integrative Plant Biology, 2013, 55, 654-662.	4.1	8
196	Molecular cytogenetic characterization of two partial wheat <scp>E</scp>lytrigia elongata amphiploids resistant to powdery mildew. Plant Breeding, 2013, 132, 553-557.	1.0	7
197	Persistent whole-chromosome aneuploidy is generally associated with nascent allohexaploid wheat. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3447-3452.	3.3	180
198	Molecular cytogenetic analysis and phylogenetic relationship of 5S and 45S ribosomal DNA in sinomartagon Lilium species by fluorescence in situ hybridization (FISH). Horticulture Environment and Biotechnology, 2014, 55, 514-523.	0.7	10
199	Production and Molecular Cytogenetic Identification of Wheat-Alien Hybrids and Introgression Lines. , 2014, , 255-283.		22
201	Alien Gene Transfer in Crop Plants, Volume 1. , 2014, , .		2
202	FISH and GISH: molecular cytogenetic tools and their applications in ornamental plants. Plant Cell Reports, 2015, 34, 1477-1488.	2.8	48
203	Plant Microtechniques and Protocols. , 2015, , .		35

#	Article	IF	Citations
204	Genomic in situ hybridization analysis between Rubus coreanus and its relatives in Rubus (Sect.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	0.8	3
205	Genome Mapping. , 2016, , .		2
206	Chromosome Painting by GISH and Multicolor FISH. Methods in Molecular Biology, 2016, 1429, 7-21.	0.4	8
207	Cytogenetic relationships among Citrullus species in comparison with some genera of the tribe Benincaseae (Cucurbitaceae) as inferred from rDNA distribution patterns. BMC Evolutionary Biology, 2016, 16, 85.	3.2	20
208	Molecular Cytogenetic Approaches in Exploration of Important Chromosomal Landmarks in Plants. Sustainable Development and Biodiversity, 2016, , 127-148.	1.4	2
209	Detection of alien genetic introgressions in bread wheat using dot-blot genomic hybridisation. Molecular Breeding, 2017, 37, 32.	1.0	18
210	Cytogenetic features of <scp>rRNA</scp> genes across land plants: analysis of the Plant <scp>rDNA</scp> database. Plant Journal, 2017, 89, 1020-1030.	2.8	133
211	Date Palm Sex Differentiation Based on Fluorescence In Situ Hybridization (FISH). Methods in Molecular Biology, 2017, 1638, 245-256.	0.4	1
212	Fluorescence In Situ Hybridization (FISH). Springer Protocols, 2017, , .	0.1	47
213	In Situ Hybridization to Plant Chromosomes. Springer Protocols, 2017, , 477-494.	0.1	12
214	The evolution of genome size and distinct distribution patterns of rDNA in Phalaenopsis (Orchidaceae). Botanical Journal of the Linnean Society, 2017, 185, 65-80.	0.8	17
215	Production and genetic analyses of novel Brassica rapa L. introgressions from interspecific crosses with Brassica juncea L. landraces native to the Qinghai-Tibet Plateau. Euphytica, 2018, 214, 1.	0.6	3
216	Molecular cytogenetics to characterize mechanisms of gene duplication in pesticide resistance. Pest Management Science, 2018, 74, 22-29.	1.7	15
217	Comparative Oligo-FISH Mapping: An Efficient and Powerful Methodology To Reveal Karyotypic and Chromosomal Evolution. Genetics, 2018, 208, 513-523.	1.2	146
218	Comparative cytogenetics and derived phylogenic relationship among Sitophilus grain weevils (Coleoptera, Curculionidae, Dryophthorinae). Comparative Cytogenetics, 2018, 12, 223-245.	0.3	9
219	Introgressive Hybridization in Potato Revealed by Novel Cytogenetic and Genomic Technologies. American Journal of Potato Research, 2018, 95, 607-621.	0.5	13
220	Application Research of Virtual Reality Technology in Landscape Design. Journal of Physics: Conference Series, 2019, 1302, 042050.	0.3	1
221	Revisiting assessments of ecosystem drought recovery. Environmental Research Letters, 2019, 14, 114028.	2.2	24

#	Article	IF	Citations
222	Effect of acaricidal compound extracted from Arachis hypogaea Linn against Tetranychus cinnabarinus. Journal of Applied Entomology, 2019, 143, 948-956.	0.8	3
223	In Vivo Environmentâ€Adaptive Nanocomplex with Tumor Cellâ€“Specific Cytotoxicity Enhances T Cells Infiltration and Improves Cancer Therapy. Small, 2019, 15, e1902822.	5.2	25
224	Fluorescence in situ hybridization in plants: recent developments and future applications. Chromosome Research, 2019, 27, 153-165.	1.0	142
225	Physical Mapping of 5S rDNA in Eucalyptus dunnii Maiden and Zea mays L. by PRINS. Cytologia, 2019, 84, 77-83.	0.2	1
226	Cytogenetics in the Study of Chromosomal Rearrangement during Wheat Evolution and Breeding. , 0, , .		3
227	Cytogenetic Studies in Glossogobius giuris (Hamilton, 1822) Through NOR-Staining and FISH. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2020, 90, 221-226.	0.4	3
228	Magnetic field enhanced coercivity of Fe nanoparticles embedded in antiferromagnetic MnN films. Journal Physics D: Applied Physics, 2020, 53, 035003.	1.3	3
229	Dualâ€color oligoâ€FISH can reveal chromosomal variations and evolution in Oryza species. Plant Journal, 2020, 101, 112-121.	2.8	44
230	Evaluation of the antibody response to the EBV proteome in EBVâ€associated classical Hodgkin lymphoma. International Journal of Cancer, 2020, 147, 608-618.	2.3	15
231	Review of Genetics (From The Perspective of A Plant Breeder). , 2020, , 39-71.		0
232	Development of a set of chromosome-specific oligonucleotide markers and karyotype analysis in the Japanese morning glory Ipomoea nil. Scientia Horticulturae, 2020, 273, 109633.	1.7	7
233	The Puzzling Fate of a Lupin Chromosome Revealed by Reciprocal Oligo-FISH and BAC-FISH Mapping. Genes, 2020, 11, 1489.	1.0	9
234	A universal chromosome identification system for maize and wild Zea species. Chromosome Research, 2020, 28, 183-194.	1.0	26
235	An efficient Oligoâ€FISH painting system for revealing chromosome rearrangements and polyploidization in Triticeae. Plant Journal, 2021, 105, 978-993.	2.8	58
236	A universal karyotypic system for hexaploid and diploid Avena species brings oat cytogenetics into the genomics era. BMC Plant Biology, 2021, 21, 213.	1.6	19
237	Chromosomal Characterization of Tripidium arundinaceum Revealed by Oligo-FISH. International Journal of Molecular Sciences, 2021, 22, 8539.	1.8	7
238	Oligo-FISH barcode in beans: a new chromosome identification system. Theoretical and Applied Genetics, 2021, 134, 3675-3686.	1.8	23
239	Genomics of Wheat, the Basis of Our Daily Bread. , 2008, , 515-548.		1

#	Article	IF	Citations
240	Physical Mapping in the Triticeae. , 2009, , 317-335.		6
241	Cytogenetic Analysis of Wheat and Rye Genomes. , 2009, , 121-135.		6
242	Smallness: gain and loss in plant chromosome research. , 2000, , 287-301.		6
243	Chromosome Techniques and FISH. , 2015, , 287-309.		4
244	Structural Genome Analysis Using Molecular Cytogenetic Techniques. Progress in Botany Fortschritte Der Botanik, 2002, , 55-79.	0.1	1
245	Expanding genetic maps: reevaluation of the relationship between chiasmata and crossovers. , 1997, , 283-298.		8
246	The use of combined FISH/GISH in conjunction with DAPI counterstaining to identify chromosomes containing transgene inserts in amphidiploid tobacco. Chromosoma, 1996, 105, 231-236.	1.0	14
247	High-Resolution Pachytene Chromosome Mapping of Bacterial Artificial Chromosomes Anchored by Genetic Markers Reveals the Centromere Location and the Distribution of Genetic Recombination Along Chromosome 10 of Rice. Genetics, 2001, 157, 1749-1757.	1.2	144
248	Genomic in situ hybridization (GISH) reveals high chromosome pairing affinity between Lolium perenne and Festuca mairei. Genome, 2000, 43, 398-403.	0.9	18
249	Ribosomal DNA localization on Lathyrus species chromosomes by FISH. Journal of Genetic Engineering and Biotechnology, 2020, 18, 63.	1.5	2
250	Lupin. , 2005, , .		3
251	Sunflower. Genetic Resources, Chromosome Engineering, and Crop Improvement Series, 2006, , 103-165.	0.3	5
252	Allium. Genetic Resources, Chromosome Engineering, and Crop Improvement Series, 2006, , 245-269.	0.3	1
253	Application of Molecular Cytogenetics in Fundamental and Applied Research of Potato. , 2011, , 184-206.		9
254	Wheat Genomics: Exploring the Polyploid Model. Current Genomics, 2002, 3, 577-591.	0.7	26
255	A cytogenetic and molecular cytogenetic comparison among six wild individuals and four cultivars of <i>Iris ensata</i> Thunb.. Chromosome Botany, 2015, 10, 138-144.	0.4	2
256	First detailed karyo-morphological analysis and molecular cytological study of leafy cardoon and globe artichoke, two multi-use Asteraceae crops. Comparative Cytogenetics, 2016, 10, 447-463.	0.3	3
257	High resolution FISH to delineate contiguous and small DNA sequences. , 2001, 23, 149-154.		0

#	Article	IF	Citations
258	Molecular cytogenetics of introgressive hybridization in plants. , 2001, 23, 139-148.		14
259	Detection of Alien Genes and Analysis of their Integration Position in Transgenic Rice by Fluorescence <I>in situ</I> Hybridization. Breeding Science, 2001, 51, 279-283.	0.9	0
260	Molecular Integrated Cytogenetic Mapping. , 2004, , 1-3.		0
261	The Cytogenetic Contribution to the Analysis and Manipulation of the Durum Wheat Genome. , 2005, , 197-240.		2
262	New molecular tools to improve the efficiency of breeding for increased drought resistance. , 1996, , 89-100.		0
264	Molecular markers for monitoring transgenic plants. , 1999, , 87-93.		0
265	Genome Mapping. , 2016, , 365-375.		0
266	Breeding and Improvement of the Oil Palm Interspecific Hybrids via Molecular Cytogenetics. Compendium of Plant Genomes, 2020, , 25-33.	0.3	0
270	An optimized protocol for detecting guard cell specific gene expression by in situ RT-PCR in Brassica rapa. Horticultural Plant Journal, 2022, 8, 311-318.	2.3	3
271	Genetic control of compatibility in crosses between wheat and its wild or cultivated relatives. Plant Biotechnology Journal, 2022, 20, 812-832.	4.1	18
272	The use of combined FISH/GISH in conjunction with DAPI counterstaining to identify chromosomes containing transgene inserts in amphidiploid tobacco. Chromosoma, 1996, 105, 231-6.	1.0	35
273	Oligoâ€FISH Paints in Triticeae. Current Protocols, 2022, 2, e364.	1.3	7
274	A Century of Cytogenetic and Genome Analysis: Impact on Wheat Crop Improvement. , 2022, , 277-297.		1
275	Precise Identification of Chromosome Constitution and Rearrangements in Wheatâ€“Thinopyrum intermedium Derivatives by ND-FISH and Oligo-FISH Painting. Plants, 2022, 11, 2109.	1.6	4
276	Chromosomal Location of 45S and 5S rDNA in the Strains of <i>Fagopyrum esculentum</i> Moench and <i>F. tataricum</i> (L.) Gaertn. Cytologia, 2022, 87, 265-270.	0.2	1
277	Development and applications of a collection of single copy gene-based cytogenetic DNA markers in garden asparagus. Frontiers in Plant Science, 0, 13, .	1.7	3
278	Reconstruction of karyotypic evolution in Saccharum spontaneum species by comparative oligo-FISH mapping. BMC Plant Biology, 2022, 22, .	1.6	1
279	Single-cell and spatial multi-omics in the plant sciences: Technical advances, applications, and perspectives. Plant Communications, 2023, 4, 100508.	3.6	14

#	Article	IF	Citations
280	Fluorescence In Situ Hybridization (FISH) for the Genotyping of Triticeae Tribe Species and Hybrids. Methods in Molecular Biology, 2023, , 437-449.	0.4	0
284	Plant cytogenetics blurring disciplinary boundaries to sustain global food security. Nucleus (India), 2023, 66, 239-243.	0.9	0