

Malcolm A Ferguson-Smith

List of Publications by Year in descending order

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Version: 2024-02-01

164
papers

10,898
citations

50170

46
h-index

31759

101
g-index

165
all docs

165
docs citations

165
times ranked

8019
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of the von Hippel-Lindau disease tumor suppressor gene. <i>Science</i> , 1993, 260, 1317-1320.	6.0	2,723
2	Translocation of c-abl oncogene correlates with the presence of a Philadelphia chromosome in chronic myelocytic leukaemia. <i>Nature</i> , 1983, 306, 277-280.	13.7	723
3	Genome analysis of the platypus reveals unique signatures of evolution. <i>Nature</i> , 2008, 453, 175-183.	13.7	657
4	Cytogenetic analysis by chromosome painting using dop-pcr amplified flow-sorted chromosomes. <i>Genes Chromosomes and Cancer</i> , 1992, 4, 257-263.	1.5	555
5	Multicolour spectral karyotyping of mouse chromosomes. <i>Nature Genetics</i> , 1996, 14, 312-315.	9.4	307
6	Mammalian karyotype evolution. <i>Nature Reviews Genetics</i> , 2007, 8, 950-962.	7.7	275
7	Bird-like sex chromosomes of platypus imply recent origin of mammal sex chromosomes. <i>Genome Research</i> , 2008, 18, 965-973.	2.4	268
8	In the platypus a meiotic chain of ten sex chromosomes shares genes with the bird Z and mammal X chromosomes. <i>Nature</i> , 2004, 432, 913-917.	13.7	252
9	Localization of DNA sequences required for human centromere function through an analysis of rearranged Y chromosomes. <i>Nature Genetics</i> , 1993, 5, 368-375.	9.4	149
10	From The Cover: Resolution and evolution of the duck-billed platypus karyotype with an X1Y1X2Y2X3Y3X4Y4X5Y5 male sex chromosome constitution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16257-16261.	3.3	149
11	Multiple self-healing squamous epithelioma is caused by a disease-specific spectrum of mutations in TGFBR1. <i>Nature Genetics</i> , 2011, 43, 365-369.	9.4	147
12	Molecular genetic investigations of the mechanism of tumourigenesis in von Hippel-Lindau disease: analysis of allele loss in VHL tumours. <i>Human Genetics</i> , 1994, 93, 53-8.	1.8	129
13	The multiple sex chromosomes of platypus and echidna are not completely identical and several share homology with the avian Z. <i>Genome Biology</i> , 2007, 8, R243.	13.9	119
14	Comparative analysis of mammalian Y chromosomes illuminates ancestral structure and lineage-specific evolution. <i>Genome Research</i> , 2013, 23, 1486-1495.	2.4	115
15	Cross-species chromosome painting among camel, cattle, pig and human: further insights into the putative Cetartiodactyla ancestral karyotype. <i>Chromosome Research</i> , 2007, 15, 499-514.	1.0	110
16	Analysis of the SRY gene in 22 sex-reversed XY females identifies four new point mutations in the conserved DNA binding domain. <i>Human Molecular Genetics</i> , 1993, 2, 785-789.	1.4	103
17	Refined genome-wide comparative map of the domestic horse, donkey and human based on cross-species chromosome painting: insight into the occasional fertility of mules. <i>Chromosome Research</i> , 2004, 12, 65-76.	1.0	102
18	The Evolution of Sex Chromosomes and Sex Determination in Vertebrates and the Key Role of <i>DMRT1</i> . <i>Sexual Development</i> , 2007, 1, 2-11.	1.1	102

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19	The pathology and cytogenetics of gonadal agenesis. American Journal of Obstetrics and Gynecology, 1963, 87, 578-598.	0.7	101
20	A time- and cost-effective strategy to sequence mammalian Y Chromosomes: an application to the de novo assembly of gorilla Y. Genome Research, 2016, 26, 530-540.	2.4	99
21	Reciprocal chromosome painting illuminates the history of genome evolution of the domestic cat, dog and human. Chromosome Research, 2000, 8, 393-404.	1.0	92
22	Comparative Chromosome Painting in Mammals: Human and the Indian Muntjac (Muntiacus muntjak) Tj ETQq0 0 0 ggBT /Overlock 10 T	1.3	90
23	A New Submicroscopic Deletion That Refines the 9p Region for Sex Reversal. Genomics, 2000, 65, 203-212.	1.3	89
24	Multiple self-healing squamous epitheliomata (ESS1) mapped to chromosome 9q22-q31 in families with common ancestry. Nature Genetics, 1993, 3, 165-169.	9.4	88
25	Strong conservation of the bird Z chromosome in reptilian genomes is revealed by comparative painting despite 275 million years divergence. Chromosoma, 2011, 120, 455-468.	1.0	85
26	Cross-species chromosome painting between human and marsupial directly demonstrates the ancient region of the mammalian X. Mammalian Genome, 1999, 10, 1115-1116.	1.0	76
27	Epigenetic modifications on X chromosomes in marsupial and monotreme mammals and implications for evolution of dosage compensation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17657-17662.	3.3	74
28	The proto-oncogene C-KIT maps to canid B-chromosomes. Chromosome Research, 2005, 13, 113-122.	1.0	72
29	A G → A substitution in an HNF I binding site in the human α -fetoprotein gene is associated with hereditary persistence of α -fetoprotein (HPAFP). Human Molecular Genetics, 1993, 2, 379-384.	1.4	70
30	The genome phylogeny of domestic cat, red panda and five mustelid species revealed by comparative chromosome painting and G-banding. Chromosome Research, 2002, 10, 209-222.	1.0	68
31	Cross-species chromosome painting. Nature Protocols, 2006, 1, 783-790.	5.5	68
32	Multidirectional cross-species painting illuminates the history of karyotypic evolution in Perissodactyla. Chromosome Research, 2008, 16, 89-107.	1.0	68
33	Karyotype Evolution in Birds: From Conventional Staining to Chromosome Painting. Genes, 2018, 9, 181.	1.0	65
34	Identification of de novo chromosomal markers and derivatives by spectral karyotyping. Human Genetics, 1998, 103, 619-625.	1.8	63
35	Genetic Analysis by Chromosome Sorting and Painting: Phylogenetic and Diagnostic Applications. European Journal of Human Genetics, 1997, 5, 253-265.	1.4	61
36	Sequence variation and size ranges of CAG repeats in the Machado-Joseph disease, spinocerebellar ataxia type 1 and androgen receptor genes. Human Molecular Genetics, 1995, 4, 1585-1590.	1.4	60

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37	Reconstruction of the diapsid ancestral genome permits chromosome evolution tracing in avian and non-avian dinosaurs. <i>Nature Communications</i> , 2018, 9, 1883.	5.8	60
38	Comparative genome maps of the pangolin, hedgehog, sloth, anteater and human revealed by cross-species chromosome painting: further insight into the ancestral karyotype and genome evolution of eutherian mammals. <i>Chromosome Research</i> , 2006, 14, 283-296.	1.0	58
39	Avian comparative genomics: reciprocal chromosome painting between domestic chicken (<i>Gallus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1.0 Tf 50 622 diploid number. <i>Chromosome Research</i> , 2009, 17, 99-113.	1.0	58
40	Transcription of a protein-coding gene on B chromosomes of the Siberian roe deer (<i>Capreolus</i>) Tj ETQq0 0 0 rgBT /Overlock 1.7 Tf 50 622	1.7	58
41	Chromosomal evolution of Arvicolinae (Cricetidae, Rodentia). II. The genome homology of two mole voles (genus <i>Ellobius</i>), the field vole and golden hamster revealed by comparative chromosome painting. <i>Chromosome Research</i> , 2007, 15, 891-897.	1.0	57
42	Use of Flow-Sorted Canine Chromosomes in the Assignment of Canine Linkage, Radiation Hybrid, and Syntenic Groups to Chromosomes: Refinement and Verification of the Comparative Chromosome Map for Dog and Human. <i>Genomics</i> , 2000, 69, 182-195.	1.3	56
43	Comparative Mapping Using Chromosome Sorting and Painting. <i>ILAR Journal</i> , 1998, 39, 68-76.	1.8	55
44	Karyotype evolution and phylogenetic relationships of hamsters (Cricetidae, Muroidea, Rodentia) inferred from chromosomal painting and banding comparison. <i>Chromosome Research</i> , 2007, 15, 283-97.	1.0	52
45	Evolution of Genome Organizations of Squirrels (Sciuridae) Revealed by Cross-Species Chromosome Painting. <i>Chromosome Research</i> , 2004, 12, 317-335.	1.0	51
46	Chromosomal evolution of Arvicolinae (Cricetidae, Rodentia). I. The genome homology of tundra vole, field vole, mouse and golden hamster revealed by comparative chromosome painting. <i>Chromosome Research</i> , 2007, 15, 447-456.	1.0	49
47	Conserved sex chromosomes and karyotype evolution in monitor lizards (Varanidae). <i>Heredity</i> , 2019, 123, 215-227.	1.2	48
48	Contrasting origin of B chromosomes in two cervids (Siberian roe deer and grey brocket deer) unravelled by chromosome-specific DNA sequencing. <i>BMC Genomics</i> , 2016, 17, 618.	1.2	47
49	Reciprocal chromosome painting between white hawk (<i>Leucopternis albicollis</i>) and chicken reveals extensive fusions and fissions during karyotype evolution of accipitridae (Aves, Falconiformes). <i>Chromosome Research</i> , 2010, 18, 349-355.	1.0	46
50	Cross-species chromosome painting in Cetartiodactyla: Reconstructing the karyotype evolution in key phylogenetic lineages. <i>Chromosome Research</i> , 2009, 17, 419-436.	1.0	45
51	Evaluating the culture of fetal erythroblasts from maternal blood for non-invasive prenatal diagnosis. <i>Prenatal Diagnosis</i> , 1998, 18, 883-892.	1.1	44
52	Gender verification of female athletes. <i>Genetics in Medicine</i> , 2000, 2, 249-254.	1.1	42
53	The lack of influence of parental age and birth order in the aetiology of nuclear sex chromatin-negative Turner's syndrome. <i>Annals of Human Genetics</i> , 1962, 25, 215-225.	0.3	41
54	Cloning of the X-linked glycerol kinase deficiency gene and its identification by sequence comparison to the <i>Bacillus subtilis</i> homologue. <i>Human Molecular Genetics</i> , 1993, 2, 97-106.	1.4	41

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55	Molecular Cytogenetic Characterization of Multiple Intrachromosomal Rearrangements in Two Representatives of the Genus <i>Turdus</i> (Turdidae, Passeriformes). <i>PLoS ONE</i> , 2014, 9, e103338.	1.1	41
56	Chromosome homologies of the highly rearranged karyotypes of four <i>Akodon</i> species (Rodentia). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i> in rodents. <i>Chromosome Research</i> , 2009, 17, 1063-1078.	1.0	40
57	The evolution of imprinting: chromosomal mapping of orthologues of mammalian imprinted domains in monotreme and marsupial mammals. <i>BMC Evolutionary Biology</i> , 2007, 7, 157.	3.2	38
58	History and evolution of cytogenetics. <i>Molecular Cytogenetics</i> , 2015, 8, 19.	0.4	38
59	Chromosomal evolution of Arvicolinae (Cricetidae, Rodentia). III. Karyotype relationships of ten <i>Microtus</i> species. <i>Chromosome Research</i> , 2010, 18, 459-471.	1.0	37
60	Chromosomal evolution in Gekkonidae. I. Chromosome painting between <i>Gekko</i> and <i>Hemidactylus</i> species reveals phylogenetic relationships within the group. <i>Chromosome Research</i> , 2011, 19, 843-855.	1.0	37
61	Conservation of chromosomes syntenic with avian autosomes in squamate reptiles revealed by comparative chromosome painting. <i>Chromosoma</i> , 2012, 121, 409-418.	1.0	36
62	Reciprocal chromosome painting between three laboratory rodent species. <i>Mammalian Genome</i> , 2006, 17, 1183-1192.	1.0	35
63	A novel source of highly specific chromosome painting probes for human karyotype analysis derived from primate homologues. <i>Human Genetics</i> , 1997, 101, 149-153.	1.8	34
64	Chromosomal Mapping of Repetitive DNAs in <i>Myiopsitta monachus</i> and <i>Amazona aestiva</i> (Psittaciformes, Psittacidae) with Emphasis on the Sex Chromosomes. <i>Cytogenetic and Genome Research</i> , 2017, 151, 151-160.	0.6	34
65	Chromosome evolution in bears: reconstructing phylogenetic relationships by cross-species chromosome painting. <i>Chromosome Research</i> , 2004, 12, 55-63.	1.0	33
66	Cytogenetic analysis of three breast carcinoma cell lines using reverse chromosome painting. , 1997, 20, 120-139.		32
67	Reassessment of genome size in turtle and crocodile based on chromosome measurement by flow karyotyping: close similarity to chicken. <i>Biology Letters</i> , 2012, 8, 631-635.	1.0	32
68	Evolutionary dynamics of <i>Anolis</i> sex chromosomes revealed by sequencing of flow sorting-derived microchromosome-specific DNA. <i>Molecular Genetics and Genomics</i> , 2016, 291, 1955-1966.	1.0	30
69	Gender Verification in Competitive Sports. <i>Sports Medicine</i> , 1993, 16, 305-315.	3.1	29
70	Chromosome painting between human and loriform prosimians: Evidence for the HSA 7/16 synteny in the primate ancestral karyotype. <i>American Journal of Physical Anthropology</i> , 2006, 129, 250-259.	2.1	29
71	Novel tools for characterising inter and intra chromosomal rearrangements in avian microchromosomes. <i>Chromosome Research</i> , 2014, 22, 85-97.	1.0	29
72	Chromosome mapping of the large elaeina (<i>Elaenia spectabilis</i>): evidence for a cytogenetic signature for passeriform birds?. <i>Biological Journal of the Linnean Society</i> , 2015, 115, 391-398.	0.7	29

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73	Comparative Cytogenetics between Two Important Songbird, Models: The Zebra Finch and the Canary. PLoS ONE, 2017, 12, e0170997.	1.1	29
74	Analysis of thirteen trinucleotide repeat loci as candidate genes for schizophrenia and bipolar affective disorder. American Journal of Medical Genetics Part A, 1996, 67, 139-146.	2.4	28
75	Intrachromosomal rearrangements in two representatives of the genus Saltator (Thraupidae,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.5	28
76	Enrichment of fetal nucleated cells from maternal blood: Model test system using cord blood. Prenatal Diagnosis, 1995, 15, 913-919.	1.1	26
77	Medical and Ethical Concerns Regarding Women With Hyperandrogenism and Elite Sport. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 825-827.	1.8	26
78	Chromosome painting in Tragulidae facilitates the reconstruction of Ruminantia ancestral karyotype. Chromosome Research, 2011, 19, 531-539.	1.0	25
79	A phylogenetic analysis using multidirectional chromosome painting of three species (Uroderma) Tj ETQq1 1 0.784314 rgBT /Overlock 10 (Chiroptera-Phyllostomidae). Chromosome Research, 2013, 21, 383-392.	1.0	25
80	Multiplex Fluorescence In Situ Hybridization and Cross Species Color Banding of a Case of Chronic Myeloid Leukemia in Blastic Crisis with a Complex Philadelphia Translocation. Cancer Genetics and Cytogenetics, 2000, 116, 105-110.	1.0	24
81	Search for the sex-determining switch in monotremes: Mapping WT1, SF1, LHX1, LHX2, FGF9, WNT4, RSPO1 and GATA4 in platypus. Chromosome Research, 2007, 15, 777-785.	1.0	24
82	Natural Selection for Genetic Variants in Sport: The Role of Y Chromosome Genes in Elite Female Athletes with 46,XY DSD. Sports Medicine, 2014, 44, 1629-1634.	3.1	24
83	Multiple Self-Healing Squamous Epithelioma in Different Ethnic Groups: More than a Founder Mutation Disorder?. Journal of Investigative Dermatology, 2007, 127, 2336-2344.	0.3	23
84	Multiple Self-Healing Squamous Epithelioma (MSSE): Rare Variants in an Adjacent Region of Chromosome 9q22.3 to Known TGFBR1 Mutations Suggest a Digenic or Multilocus Etiology. Journal of Investigative Dermatology, 2013, 133, 1907-1910.	0.3	23
85	Isolation of chromosome-specific paints from high-resolution flow karyotypes of the sheep (Ovis) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.0	22
86	Comparative analysis of sex chromosomes in Leporinus species (Teleostei, Characiformes) using chromosome painting. BMC Genetics, 2013, 14, 60.	2.7	22
87	Sequencing of Supernumerary Chromosomes of Red Fox and Raccoon Dog Confirms a Non-Random Gene Acquisition by B Chromosomes. Genes, 2018, 9, 405.	1.0	22
88	Multidirectional chromosome painting substantiates the occurrence of extensive genomic reshuffling within Accipitriformes. BMC Evolutionary Biology, 2015, 15, 205.	3.2	19
89	Rapid Karyotype Evolution in Lasiopodomys Involved at Least Two Autosome " Sex Chromosome Translocations. PLoS ONE, 2016, 11, e0167653.	1.1	19
90	Chromosomal Diversity and Karyotype Evolution in South American Macaws (Psittaciformes,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	1.1	19

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91	A classification efficiency test of spectral karyotyping and multiplex fluorescence in situ hybridization: Identification of chromosome homologies between <i>Homo sapiens</i> and <i>Hylobates leucogenys</i> . <i>Genes Chromosomes and Cancer</i> , 2001, 31, 65-74.	1.5	18
92	Cross-species color banding in ten cases of myeloid malignancies with complex karyotypes. <i>Genes Chromosomes and Cancer</i> , 2001, 30, 15-24.	1.5	18
93	Characterizing the chromosomes of the platypus (<i>Ornithorhynchus anatinus</i>). <i>Chromosome Research</i> , 2007, 15, 961-974.	1.0	18
94	Chromosome Translocations as a Driver of Diversification in Mole Voles <i>Ellobius</i> (Rodentia). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td</i>	1.8	18
95	Chromosome Painting in Three Species of Buteoninae: A Cytogenetic Signature Reinforces the Monophyly of South American Species. <i>PLoS ONE</i> , 2013, 8, e70071.	1.1	17
96	Rapid chromosomal evolution in enigmatic mammal with XX in both sexes, the Alay mole vole <i>Ellobius alaicus</i> Vorontsov et al., 1969 (Mammalia, Rodentia). <i>Comparative Cytogenetics</i> , 2019, 13, 147-177.	0.3	17
97	A fast, novel approach for DNA fibre-fluorescence in situ hybridization analysis. <i>Chromosome Research</i> , 1997, 5, 145-147.	1.0	16
98	Cytogenetics and the evolution of medical genetics. <i>Genetics in Medicine</i> , 2008, 10, 553-559.	1.1	16
99	Genetic Content of the Neo-Sex Chromosomes in <i>Ctenonotus</i> and <i>Norops</i> (Squamata, Dactyloidae) and Degeneration of the Y Chromosome as Revealed by High-Throughput Sequencing of Individual Chromosomes. <i>Cytogenetic and Genome Research</i> , 2019, 157, 115-122.	0.6	16
100	Reconstruction of karyotype evolution in core Glires. I. The genome homology revealed by comparative chromosome painting. <i>Chromosome Research</i> , 2011, 19, 549-565.	1.0	15
101	Low rate of interchromosomal rearrangements during old radiation of gekkotan lizards (Squamata). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 227 Td</i>	1.0	15
102	Chromosome Painting in Tyrant Flycatchers Confirms a Set of Inversions Shared by Oscines and Suboscines (Aves, Passeriformes). <i>Cytogenetic and Genome Research</i> , 2017, 153, 205-212.	0.6	15
103	Comparative chromosome painting in Columbidae (Columbiformes) reinforces divergence in Passerea and Columbea. <i>Chromosome Research</i> , 2018, 26, 211-223.	1.0	15
104	Chromosome Painting in <i>Trogon s. surrucura</i> (Aves). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td</i> <i>Cytogenetic and Genome Research</i> , 2017, 151, 208-215.	0.6	14
105	Cytotaxonomy of <i>Eurypyga helias</i> (Gruiformes, Eurypygidae): First Karyotypic Description and Phylogenetic Proximity with Rynochetidae. <i>PLoS ONE</i> , 2015, 10, e0143982.	1.1	14
106	Afrotheria genome; overestimation of genome size and distinct chromosome GC content revealed by flow karyotyping. <i>Genomics</i> , 2013, 102, 468-471.	1.3	13
107	Hybridization between subterranean tuco-tucos (Rodentia, Ctenomyidae) with contrasting phylogenetic positions. <i>Scientific Reports</i> , 2020, 10, 1502.	1.6	13
108	Immunocytological analysis of meiotic recombination in two anole lizards (Squamata, Dactyloidae). <i>Comparative Cytogenetics</i> , 2017, 11, 129-141.	0.3	13

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109	Multidirectional chromosome painting in <i>Synallaxis frontalis</i> (Passeriformes, Furnariidae) reveals high chromosomal reorganization, involving fissions and inversions. <i>Comparative Cytogenetics</i> , 2018, 12, 97-110.	0.3	13
110	Conservation of human gamma-X centromeric satellite DNA among primates with an autosomal localization in certain Old World monkeys. <i>Chromosome Research</i> , 1999, 7, 43-47.	1.0	12
111	Maintenance of syntenic groups between <i>Cathartidae</i> and <i>Gallus gallus</i> indicates symplesiomorphic karyotypes in new world vultures. <i>Genetics and Molecular Biology</i> , 2011, 34, 80-83.	0.6	12
112	Targeted deletion of a 170-kb cluster of LINE-1 repeats and implications for regional control. <i>Genome Research</i> , 2018, 28, 345-356.	2.4	12
113	Extensive Karyotype Reorganization in the Fish <i>Gymnotus arapaima</i> (Gymnotiformes, Gymnotidae) Highlighted by Zoo-FISH Analysis. <i>Frontiers in Genetics</i> , 2018, 9, 8.	1.1	12
114	Whole-chromosome fusions in the karyotype evolution of <i>Sceloporus</i> (Iguania, Reptilia) are more frequent in sex chromosomes than autosomes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200099.	1.8	12
115	Chromosome Painting in <i>Vanellus chilensis</i> : Detection of a Fusion Common to Clade Charadrii (Charadriiformes). <i>Cytogenetic and Genome Research</i> , 2015, 146, 58-63.	0.6	11
116	First report on B chromosome content in a reptilian species: the case of <i>Anolis carolinensis</i> . <i>Molecular Genetics and Genomics</i> , 2019, 294, 13-21.	1.0	11
117	Pooling strategy and chromosome painting characterize a living zebroid for the first time. <i>PLoS ONE</i> , 2017, 12, e0180158.	1.1	11
118	Novel insights into chromosome evolution of Charadriiformes: extensive genomic reshuffling in the wattled jacana (<i>Jacana jacana</i> , Charadriiformes, Jacanidae). <i>Genetics and Molecular Biology</i> , 2020, 43, e20190236.	0.6	10
119	Chromosomal studies on <i>Coscoroba coscoroba</i> (Aves: Anseriformes) reinforce the <i>Coscoroba-Cereopsis</i> clade. <i>Biological Journal of the Linnean Society</i> , 2014, 111, 274-279.	0.7	9
120	Genome-wide comparative chromosome maps of <i>Arvicola amphibius</i> , <i>Dicrostonyx torquatus</i> , and <i>Myodes rutilus</i> . <i>Chromosome Research</i> , 2016, 24, 145-159.	1.0	9
121	Chromosome Painting in Neotropical Long- and Short-Tailed Parrots (Aves, Psittaciformes): Phylogeny and Proposal for a Putative Ancestral Karyotype for Tribe Arini. <i>Genes</i> , 2018, 9, 491.	1.0	9
122	Isolating Chromosomes of the Komodo Dragon: New Tools for Comparative Mapping and Sequence Assembly. <i>Cytogenetic and Genome Research</i> , 2019, 157, 123-131.	0.6	9
123	Extensive chromosomal fissions and repetitive DNA accumulation shaped the atypical karyotypes of two Ramphastidae (Aves: Piciformes) species. <i>Biological Journal of the Linnean Society</i> , 2020, 130, 839-849.	0.7	9
124	Complex Structure of <i>Lasiopodomys mandarinus vinogradovi</i> Sex Chromosomes, Sex Determination, and Intraspecific Autosomal Polymorphism. <i>Genes</i> , 2020, 11, 374.	1.0	9
125	Structure and expression analysis of a member of the human glutamate dehydrogenase (GLUD) gene family mapped to chromosome 10p11.2. <i>Human Genetics</i> , 1993, 91, 433-8.	1.8	8
126	Comparative Cytogenetics of the Congo African Grey Parrot (<i>Psittacus erithacus</i>). <i>Cytogenetic and Genome Research</i> , 2015, 147, 144-153.	0.6	8

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127	Homologue-specific chromosome sequencing characterizes translocation junctions and permits allelic assignment. <i>DNA Research</i> , 2018, 25, 353-360.	1.5	8
128	Marsupial chromosome DNA content and genome size assessed from flow karyotypes: invariable low autosomal GC content. <i>Royal Society Open Science</i> , 2018, 5, 171539.	1.1	8
129	A Comprehensive Cytogenetic Analysis of Several Members of the Family Columbidae (Aves.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	1.8	8
130	Digenic/multilocus aetiology of multiple self-healing squamous epithelioma (Ferguson-Smith disease): TGFBR1 and a second linked locus. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 53, 520-525.	1.2	7
131	Comparative Chromosome Painting in Two Brazilian Stork Species with Different Diploid Numbers. <i>Cytogenetic and Genome Research</i> , 2019, 159, 32-38.	0.6	7
132	Phylogenetic Analysis and Karyotype Evolution in Two Species of Core Gruiformes: <i>Aramides cajaneus</i> and <i>Psophia viridis</i> . <i>Genes</i> , 2020, 11, 307.	1.0	6
133	New Data on Comparative Cytogenetics of the Mouse-Like Hamsters (<i>Calomyscus Thomas, 1905</i>) from Iran and Turkmenistan. <i>Genes</i> , 2021, 12, 964.	1.0	6
134	Diagnosis of sex and cystic fibrosis status in fetal erythroblasts isolated from cord blood. , 1999, 19, 172-174.		5
135	Putting Medical Genetics into Practice. <i>Annual Review of Genomics and Human Genetics</i> , 2011, 12, 1-23.	2.5	5
136	The Karyotype of the Hoatzin (<i>Opisthocomus hoazin</i>) - A Phylogenetic Enigma of the Neornithes. <i>Cytogenetic and Genome Research</i> , 2018, 156, 158-164.	0.6	5
137	Chromhome: A rich internet application for accessing comparative chromosome homology maps. <i>BMC Bioinformatics</i> , 2008, 9, 168.	1.2	4
138	It Is 50 Years since the Discovery of the Male Determining Role of the Y Chromosome!. <i>Sexual Development</i> , 2009, 3, 233-236.	1.1	4
139	Chromosomal evolution and phylogenetic considerations in cuckoos (Aves, Cuculiformes.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf</i>	1.1	4
140	Cytotaxonomy of <i>Gallinula melanops</i> (Gruiformes, Rallidae): Karyotype evolution and phylogenetic inference. <i>Genetics and Molecular Biology</i> , 2021, 44, e20200241.	0.6	4
141	Comparative chromosome maps between the stone curlew and three ciconiiform species (the grey) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf</i>	0.7	4
142	Human cytogenetics at Johns Hopkins Hospital, 1959â€“1962. <i>American Journal of Medical Genetics, Part A</i> , 2021, 185, 3236-3241.	0.7	3
143	Chromosomal evolution of tribe Oryzomyini (Rodentia: Cricetidae: Sigmodontinae). <i>Mammalian Biology</i> , 2022, 102, 441-464.	0.8	3
144	Reaction to the emergence of BSE in the UK: what was done and what perhaps might have been done better. <i>Comptes Rendus - Biologies</i> , 2002, 325, 25-26.	0.1	2

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145	A collection of XY female cell lines. <i>Human Cell</i> , 2018, 31, 175-178.	1.2	2
146	Victor McKusick and his role in the founding of the European School of Genetic Medicine. <i>American Journal of Medical Genetics, Part A</i> , 2021, 185, 3253-3258.	0.7	2
147	An 8.22 Mb Assembly and Annotation of the Alpaca (<i>Vicugna pacos</i>) Y Chromosome. <i>Genes</i> , 2021, 12, 105.	1.0	2
148	Cytogenetics and Early Days at the Moore Clinic with Victor McKusick. , 2012, , 53-66.		2
149	Comparative chromosome painting in hummingbirds (Trochilidae). <i>Genetics and Molecular Biology</i> , 2020, 43, e20200162.	0.6	2
150	The molecular cytogenetic characterization of <i>Conopophaga lineata</i> indicates a common chromosome rearrangement in the Parvorder Furnariida (Aves, Passeriformes). <i>Genetics and Molecular Biology</i> , 2020, 43, e20200018.	0.6	2
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152	Comparative chromosome painting in <i>Spizaetus tyrannus</i> and <i>Gallus gallus</i> with the use of macro- and microchromosome probes. <i>PLoS ONE</i> , 2021, 16, e0259905.	1.1	1
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155	Testing and screening for chromosome abnormalities. <i>Clinical Medicine</i> , 2009, 9, 153-154.	0.8	0
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160	Revising the Chromosome-Specific Probes of White Hawk (<i>Leucopternis albicollis</i>). , 2020, 76, .		0
161	Chromosomal evolution and phylogenetic considerations in cuckoos (Aves, Cuculiformes,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50		0
162	Chromosomal evolution and phylogenetic considerations in cuckoos (Aves, Cuculiformes,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (0

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163	Chromosomal evolution and phylogenetic considerations in cuckoos (Aves, Cuculiformes,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50		
164	Chromosomal evolution and phylogenetic considerations in cuckoos (Aves, Cuculiformes,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td		