Thomas Liehr

List of Publications by Year
in descending order

801	13,891	44444	66518
papers	citations	50 h-index	82 g-index

831	831	831	12889
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hepatocyte differentiation of mesenchymal stem cells from human adipose tissue in vitro promotes hepatic integration in vivo. Gut, 2009, 58, 570-581.	6.1	303
2	Small supernumerary marker chromosomes (sSMC) in humans. Cytogenetic and Genome Research, 2004, 107, 55-67.	0.6	258
3	Insights into Sex Chromosome Evolution and Aging from the Genome of a Short-Lived Fish. Cell, 2015, 163, 1527-1538.	13.5	251
4	Aneuploidy and Confined Chromosomal Mosaicism in the Developing Human Brain. PLoS ONE, 2007, 2, e558.	1.1	197
5	Aneuploidy in the normal, Alzheimer's disease and ataxia-telangiectasia brain: Differential expression and pathological meaning. Neurobiology of Disease, 2009, 34, 212-220.	2.1	195
6	Microdissection based high resolution multicolor banding for all 24 human chromosomes. International Journal of Molecular Medicine, 2002, 9, 335-9.	1.8	179
7	Frequency of small supernumerary marker chromosomes in prenatal, newborn, developmentally retarded and infertility diagnostics. International Journal of Molecular Medicine, 2007, 19, 719-31.	1.8	167
8	Genome-wide analysis of sixteen chordomas by comparative genomic hybridization and cytogenetics of the first human chordoma cell line, U-CH1. Genes Chromosomes and Cancer, 2001, 32, 203-211.	1.5	159
9	Small supernumerary marker chromosomes (SMCs): genotype-phenotype correlation and classification. Human Genetics, 2003, 114, 51-67.	1.8	159
10	Small supernumerary marker chromosomes â€“ progress towards a genotype-phenotype correlation. Cytogenetic and Genome Research, 2006, 112, 23-34.	0.6	157
11	A new multicolor-FISH approach for the characterization of marker chromosomes: centromere-specific multicolor-FISH (cenM-FISH). Human Genetics, 2001, 108, 199-204.	1.8	151
12	PDE3A mutations cause autosomal dominant hypertension with brachydactyly. Nature Genetics, 2015, 47, 647-653.	9.4	146
13	Complex chromosomal rearrangements: origin and meiotic behavior. Human Reproduction Update, 2011, 17, 476-494.	5.2	140
14	Microdeletion and Microduplication Syndromes. Journal of Histochemistry and Cytochemistry, 2012, 60, 346-358.	1.3	137
15	Localization of the Human Î²-Catenin Gene (CTNNB1) to 3p21: A Region Implicated in Tumor Development. Genomics, 1994, 23, 272-274.	1.3	134
16	Disruption of ALX1 Causes Extreme Microphthalmia and Severe Facial Clefting: Expanding the Spectrum of Autosomal-Recessive ALX-Related Frontonasal Dysplasia. American Journal of Human Genetics, 2010, 86, 789-796.	2.6	128
17	Human Male Recombination Maps for Individual Chromosomes. American Journal of Human Genetics, 2004, 74, 521-531.	2.6	126
18	Cytogenetic contribution to uniparental disomy (UPD). Molecular Cytogenetics, 2010, 3, 8.	0.4	116

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19	Increased chromosome instability dramatically disrupts neural genome integrity and mediates cerebellar degeneration in the ataxia-telangiectasia brain. Human Molecular Genetics, 2009, 18, 2656-2669.	1.4	115
20	Widespread expression of the peripheral myelin protein-22 gene (pmp22) in neural and non-neural tissues during murine development. Journal of Neuroscience Research, 1995, 42, 733-741.	1.3	103
21	Demystifying chromosome preparation and the implications for the concept of chromosome condensation during mitosis. Cytogenetic and Genome Research, 2002, 98, 136-146.	0.6	102
22	Molecular Definition of High-resolution Multicolor Banding Probes: First Within the Human DNA Sequence Anchored FISH Banding Probe Set. Journal of Histochemistry and Cytochemistry, 2008, 56, 487-493.	1.3	96
23	X chromosome aneuploidy in the Alzheimerâ€™s disease brain. Molecular Cytogenetics, 2014, 7, 20.	0.4	89
24	Frequency of small supernumerary marker chromosomes in prenatal, newborn, developmentally retarded and infertility diagnostics. International Journal of Molecular Medicine, 2007, 19, 719.	1.8	87
25	Microdissection based high resolution multicolor banding for all 24 human chromosomes. International Journal of Molecular Medicine, 2002, 9, 335.	1.8	83
26	Rapid detection of subtelomeric deletion/duplication by novel real-time quantitative PCR using SYBR-green dye. Human Mutation, 2004, 23, 368-378.	1.1	81
27	A study of ten small supernumerary (marker) chromosomes identified by fluorescence in situ hybridization (FISH). Clinical Genetics, 1992, 42, 84-90.	1.0	81
28	The schizophrenia brain exhibits low-level aneuploidy involving chromosome 1. Schizophrenia Research, 2008, 98, 139-147.	1.1	80
29	Visualization of interphase chromosomes in postmitotic cells of the human brain by multicolour banding (MCB). Chromosome Research, 2006, 14, 223-229.	1.0	79
30	Homologous sequences at human chromosome 9 bands p12 and q13-21.1 are involved in different patterns of pericentric rearrangements. European Journal of Human Genetics, 2002, 10, 790-800.	1.4	76
31	Meiotic studies in two human reciprocal translocations and their association with spermatogenic failure. Human Reproduction, 2005, 20, 683-688.	0.4	74
32	Variation in MLH1 distribution in recombination maps for individual chromosomes from human males. Human Molecular Genetics, 2006, 15, 2376-2391.	1.4	72
33	Chromosome distribution in human sperm â€“ a 3D multicolor banding-study. Molecular Cytogenetics, 2008, 1, 25.	0.4	72
34	Global screening and extended nomenclature for 230 aphidicolin-inducible fragile sites, including 61 yet unreported ones. International Journal of Oncology, 2010, 36, 929-40.	1.4	71
35	Juvenile open angle glaucoma: fine mapping of the TIGR gene to 1q24.3-q25.2 and mutation analysis. Human Genetics, 1998, 102, 103-106.	1.8	67
36	DNA Methylation Profiling of Uniparental Disomy Subjects Provides a Map of Parental Epigenetic Bias in the Human Genome. American Journal of Human Genetics, 2016, 99, 555-566.	2.6	66

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37	LaminA/C regulates epigenetic and chromatin architecture changes upon aging of hematopoietic stem cells. Genome Biology, 2018, 19, 189.	3.8	66
38	Multicolor FISH probe sets and their applications. Histology and Histopathology, 2004, 19, 229-37.	0.5	66
39	Is there a higher incidence of maternal uniparental disomy 14 [upd(14)mat]? Detection of 10 new patients by methylation-specific PCR. American Journal of Medical Genetics, Part A, 2006, 140A, 2039-2049.	0.7	64
40	Oral squamous cell carcinomas are characterized by a rather uniform pattern of genomic imbalances detected by comparative genomic hybridisation. Oral Oncology, 1998, 34, 186-190.	0.8	63
41	Multicolor chromosome banding (MCB) with YAC/BAC-based probes and region-specific microdissection DNA libraries. Cytogenetic and Genome Research, 2002, 97, 43-50.	0.6	63
42	Current Developments in Human Molecular Cytogenetic Techniques. Current Molecular Medicine, 2002, 2, 283-297.	0.6	63
43	The DNA-Based Structure of Human Chromosome 5 in Interphase. American Journal of Human Genetics, 2002, 71, 1051-1059.	2.6	62
44	Multicolor fluorescence in situ hybridization (FISH) applied to FISH-banding. Cytogenetic and Genome Research, 2006, 114, 240-244.	0.6	62
45	Supraphysiological androgen levels induce cellular senescence in human prostate cancer cells through the Src-Akt pathway. Molecular Cancer, 2014, 13, 214.	7.9	62
46	Small Supernumerary Marker Chromosomes and Uniparental Disomy Have a Story to Tell. Journal of Histochemistry and Cytochemistry, 2011, 59, 842-848.	1.3	60
47	Common Fragile Sites: Genomic Hotspots of DNA Damage and Carcinogenesis. International Journal of Molecular Sciences, 2012, 13, 11974-11999.	1.8	60
48	Interphase chromosome-specific multicolor banding (ICS-MCB): A new tool for analysis of interphase chromosomes in their integrity. New Biotechnology, 2007, 24, 415-417.	2.7	59
49	Reconstruction of the female Gorilla gorilla karyotype using 25-color FISH and multicolor banding (MCB). Cytogenetic and Genome Research, 2001, 93, 242-248.	0.6	55
50	New Eukaryotic Semaphorins with Close Homology to Semaphorins of DNA Viruses. Genomics, 1998, 51, 340-350.	1.3	53
51	Detection of the CMT1A/HNPP recombination hotspot in unrelated patients of European descent.. Journal of Medical Genetics, 1997, 34, 43-49.	1.5	52
52	Multicolor-FISH Approaches for the Characterization of Human Chromosomes in Clinical Genetics and Tumor Cytogenetics. Current Genomics, 2002, 3, 213-235.	0.7	52
53	The gut fermentation product butyrate, a chemopreventive agent, suppresses glutathione S-transferase theta (hGSTT1) and cell growth more in human colon adenoma (LT97) than tumor (HT29) cells. Journal of Cancer Research and Clinical Oncology, 2005, 131, 692-700.	1.2	51
54	Human adenoma cells are highly susceptible to the genotoxic action of 4-hydroxy-2-nonenal. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2003, 526, 19-32.	0.4	50

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55	First Molecular Cytogenetic High Resolution Characterization of the NIH 3T3 Cell Line by Murine Multicolor Banding. Journal of Histochemistry and Cytochemistry, 2013, 61, 306-312.	1.3	50
56	Comparative Chromosomal Mapping of Microsatellites in <i>Leporinus</i> Species (Characiformes, Anostomidae): Unequal Accumulation on the W Chromosomes. Cytogenetic and Genome Research, 2014, 142, 40-45.	0.6	50
57	Handling small supernumerary marker chromosomes in prenatal diagnostics. Expert Review of Molecular Diagnostics, 2009, 9, 317-324.	1.5	49
58	Array painting using microdissected chromosomes to map chromosomal breakpoints. Cytogenetic and Genome Research, 2007, 116, 158-166.	0.6	48
59	Chromosomal abnormalities in couples with repeated fetal loss: An Indian retrospective study. Indian Journal of Human Genetics, 2013, 19, 415.	0.7	48
60	Recommendations for whole genome sequencing in diagnostics for rare diseases. European Journal of Human Genetics, 2022, 30, 1017-1021.	1.4	48
61	Mosaicism for the Charcot-Marie-Tooth disease type 1A duplication suggests somatic reversion. Human Genetics, 1996, 98, 22-28.	1.8	46
62	Duplications and copy number variants of 8p23.1 are cytogenetically indistinguishable but distinct at the molecular level. European Journal of Human Genetics, 2005, 13, 1131-1136.	1.4	46
63	Small Supernumerary Marker Chromosomes (sSMC). , 2012, , .		46
64	The strength of combined cytogenetic and mate-pair sequencing techniques illustrated by a germline chromothripsis rearrangement involving FOXP2. European Journal of Human Genetics, 2014, 22, 338-343.	1.4	46
65	Next generation phenotyping in Emanuel and Pallisterâ€Killian syndrome using computerâ€aided facial dysmorphology analysis of <scp>2D</scp> photos. Clinical Genetics, 2018, 93, 378-381.	1.0	46
66	Early Embryonic Chromosome Instability Results in Stable Mosaic Pattern in Human Tissues. PLoS ONE, 2010, 5, e9591.	1.1	46
67	Fish analysis of interphase nuclei extracted from paraffin-embedded tissue. Trends in Genetics, 1995, 11, 377-378.	2.9	45
68	Thirty-two new cases with small supernumerary marker chromosomes detected in connection with fertility problems: detailed molecular cytogenetic characterization and review of the literature. International Journal of Molecular Medicine, 2008, 21, 705-14.	1.8	45
69	Genetic imbalances in 26 cases of penile squamous cell carcinoma. Genes Chromosomes and Cancer, 2001, 31, 48-53.	1.5	44
70	Somatic Mosaicism in Cases with Small Supernumerary Marker Chromosomes. Current Genomics, 2010, 11, 432-439.	0.7	44
71	Systems genetics view of endometriosis: a common complex disorder. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2015, 185, 59-65.	0.5	44
72	Highly conserved Z and molecularly diverged W chromosomes in the fish genus Triportheus (Characiformes, Triportheidae). Heredity, 2017, 118, 276-283.	1.2	44

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73	Typical and partial cat eye syndrome: identification of the marker chromosome by FISH. Clinical Genetics, 1992, 42, 91-96.	1.0	43
74	The Human Genome Puzzle — the Role of Copy Number Variation in Somatic Mosaicism. Current Genomics, 2010, 11, 426-431.	0.7	43
75	Multitude multicolor chromosome banding (mMCB) â€“ a comprehensive one-step multicolor FISH banding method. Cytogenetic and Genome Research, 2003, 103, 34-39.	0.6	42
76	Autosomal-Dominant Microtia Linked to Five Tandem Copies of a Copy-Number-Variable Region at Chromosome 4p16. American Journal of Human Genetics, 2008, 82, 181-187.	2.6	42
77	Evidence for multi-copy Mega-NUMTsin the human genome. Nucleic Acids Research, 2021, 49, 1517-1531.	6.5	42
78	Chromosomal Mapping of Repetitive DNAs in Triportheus trifurcatus (Characidae, Characiformes): Insights into the Differentiation of the Z and W Chromosomes. PLoS ONE, 2014, 9, e90946.	1.1	42
79	Mosaic chromosomal aberrations in synovial fibroblasts of patients with rheumatoid arthritis, osteoarthritis, and other inflammatory joint diseases. Arthritis Research, 2001, 3, 319.	2.0	41
80	FISH banding methods: applications in research and diagnostics. Expert Review of Molecular Diagnostics, 2002, 2, 217-225.	1.5	41
81	Ten years follow up of a boy with a complex chromosomal rearrangement: Going from a >â€‰5 to 15-breakpoint CCR. American Journal of Medical Genetics Part A, 2003, 118A, 235-240.	2.4	41
82	Small Supernumerary Marker Chromosomes (sSMC) in Patients with a 45,X/46,X,+mar Karyotype â€“ 17 New Cases and a Review of the Literature. Sexual Development, 2007, 1, 353-362.	1.1	41
83	Genomic and transcriptomic profiling of resistant CEM/ADR-5000 and sensitive CCRF-CEM leukaemia cells for unravelling the full complexity of multi-factorial multidrug resistance. Scientific Reports, 2016, 6, 36754.	1.6	41
84	Zoo-FISH with region-specific paints for mink chromosome 5q: delineation of inter- and intrachromosomal rearrangements in human, pig, and fox. Cytogenetic and Genome Research, 2000, 90, 268-270.	0.6	40
85	Molecular cytogenetic characterisation of partial trisomy 9q in a case with pyloric stenosis and a review. Journal of Medical Genetics, 2000, 37, 529-532.	1.5	40
86	A further case with a small supernumerary marker chromosome (sSMC) derived from chromosome 1â€”evidence for high variability in mosaicism in different tissues of sSMC carriers. Prenatal Diagnosis, 2007, 27, 783-785.	1.1	40
87	Small supernumerary marker chromosomes (sSMC) in humans; are there B chromosomes hidden among them. Molecular Cytogenetics, 2008, 1, 12.	0.4	38
88	Evolutionary Dynamics of rDNAs and U2 Small Nuclear DNAs in Triportheus (Characiformes,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.5	38
89	Patterns of genomic imbalances in human solid tumors (Review).. International Journal of Oncology, 2000, 16, 383-99.	1.4	37
90	Molecular cytogenetic characterization of the mantle cell lymphoma cell line GRANTA-519. Cancer Genetics and Cytogenetics, 2004, 153, 144-150.	1.0	37

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91	Neocentric small supernumerary marker chromosomes (sSMC) â€“ three more cases and review of the literature. Cytogenetic and Genome Research, 2007, 118, 31-37.	0.6	37
92	Putative colon cancer risk factors damage global DNA and TP53 in primary human colon cells isolated from surgical samples. Food and Chemical Toxicology, 2003, 41, 655-664.	1.8	36
93	Monitoring of gas station attendants exposure to benzene, toluene, xylene (BTX) using three-color chromosome painting. Molecular Cytogenetics, 2014, 7, 15.	0.4	35
94	Tracking the evolutionary pathway of sex chromosomes among fishes: characterizing the unique XX/XY1Y2 system in Hoplias malabaricus (Teleostei, Characiformes). Chromosoma, 2018, 127, 115-128.	1.0	35
95	Karyotyping of human synaptonemal complexes by cenM-FISH. European Journal of Human Genetics, 2003, 11, 879-883.	1.4	34
96	S2-Leitlinie Humangenetische Diagnostik. Medizinische Genetik, 2012, 23, 281-323.	0.1	34
97	Independent Sex Chromosome Evolution in Lower Vertebrates: A Molecular Cytogenetic Overview in the Erythrinidae Fish Family. Cytogenetic and Genome Research, 2013, 141, 186-194.	0.6	34
98	Complex small supernumerary marker chromosomes â€“ an update. Molecular Cytogenetics, 2013, 6, 46.	0.4	34
99	A supernumerary â€œB-sexâ€•chromosome drives male sex determination in the PachÃ³n cavefish, Astyanax mexicanus. Current Biology, 2021, 31, 4800-4809.e9.	1.8	34
100	Small supernumerary marker chromosomes and their correlation with specific syndromes. Advanced Biomedical Research, 2015, 4, 140.	0.2	34
101	Chromosome variability of human multipotent mesenchymal stromal cells. Bulletin of Experimental Biology and Medicine, 2007, 143, 122-126.	0.3	33
102	Clinical Impact of Somatic Mosaicism in Cases with Small Supernumerary Marker Chromosomes. Cytogenetic and Genome Research, 2013, 139, 158-163.	0.6	33
103	Small supernumerary marker chromosomes: A legacy of trisomy rescue?. Human Mutation, 2019, 40, 193-200.	1.1	33
104	Partial tetrasomy 12pter-12p12.3 in a girl with Pallister-Killian syndrome: extraordinary finding of an analphoid, inverted duplicated marker. European Journal of Human Genetics, 2001, 9, 572-576.	1.4	32
105	Suspension (S)-FISH, a New Technique for Interphase Nuclei. Journal of Histochemistry and Cytochemistry, 2002, 50, 1697-1698.	1.3	32
106	Severe intellectual disability, omphalocele, hypospadia and high blood pressure associated to a deletion at 2q22.1q22.3: case report. Molecular Cytogenetics, 2012, 5, 30.	0.4	32
107	16p11.2â€“p12.2 duplication syndrome; a genomic condition differentiated from euchromatic variation of 16p11.2. European Journal of Human Genetics, 2013, 21, 182-189.	1.4	32
108	Xâ€linked intellectual disability related genes disrupted by balanced Xâ€autosome translocations. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2015, 168, 669-677.	1.1	32

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109	Chromosome 2 aberrations in clinical cases characterised by high resolution multicolour banding and region specific FISH probes. Journal of Medical Genetics, 2002, 39, 434-439.	1.5	31
110	Comet Fluorescence in situ Hybridization Analysis for Oxidative Stress-Induced DNA Damage in Colon Cancer Relevant Genes. Toxicological Sciences, 2006, 96, 279-284.	1.4	31
111	An exceptional complex chromosomal rearrangement (CCR) with eight breakpoints involving four chromosomes (1;3;9;14) in an azoospermic male with normal phenotype. European Journal of Medical Genetics, 2007, 50, 133-138.	0.7	31
112	Variation in crossover interference levels on individual chromosomes from human males. Human Molecular Genetics, 2008, 17, 2583-2594.	1.4	31
113	Heteromorphic variants of chromosome 9. Molecular Cytogenetics, 2013, 6, 14.	0.4	31
114	Small Supernumerary Marker Chromosomes in Human Infertility. Cytogenetic and Genome Research, 2015, 146, 100-108.	0.6	31
115	Heterogenic molecular basis for loss ofABL1-BCRtranscription: Deletions in der(9)t(9;22) and variants of standard t(9;22) inBCR-ABL1-positive chronic myeloid leukemia. Genes Chromosomes and Cancer, 2002, 34, 193-200.	1.5	30
116	Enlarged chromosome 13 p-arm hiding a cryptic partial trisomy 6p22.2-pter. Prenatal Diagnosis, 2003, 23, 427-430.	1.1	30
117	Rapid Prenatal Diagnostics in the Interphase Nucleus: Procedure and Cut-off Rates. Journal of Histochemistry and Cytochemistry, 2005, 53, 289-291.	1.3	30
118	Parental-origin-determination fluorescence in situ hybridization distinguishes homologous human chromosomes on a single-cell level. International Journal of Molecular Medicine, 2008, 21, 189-200.	1.8	30
119	W Chromosome Dynamics inTriportheusSpecies (Characiformes, Triportheidae): An Ongoing Process Narrated by Repetitive Sequences. Journal of Heredity, 2016, 107, 342-348.	1.0	30
120	Localization of mariner DNA Transposons in the Human Genome by PRINS. Genome Research, 1999, 9, 839-843.	2.4	29
121	Molecular cytogenetic characterization of an acquired minute supernumerary marker chromosome as the sole abnormality in a case clinically diagnosed as atypical Philadelphia-negative chronic myelogenous leukaemia. British Journal of Haematology, 2001, 113, 435-438.	1.2	29
122	Analysis of non-crossover bivalents in pachytene cells from 10 normal men. Human Reproduction, 2006, 21, 2335-2339.	0.4	29
123	Familial small supernumerary marker chromosomes are predominantly inherited via the maternal line. Genetics in Medicine, 2006, 8, 459-462.	1.1	29
124	t(11;19)(q21;p12â^¼p13.11) and MECT1-MAML2 fusion transcript expression as a prognostic marker in infantile lung mucoepidermoid carcinoma. Journal of Pediatric Surgery, 2007, 42, e23-e29.	0.8	29
125	Small supernumerary chromosome marker generating complete and pure trisomy 18p, characterized by molecular cytogenetic techniques and review. American Journal of Medical Genetics, Part A, 2007, 143A, 2727-2732.	0.7	29
126	Complex rearranged small supernumerary marker chromosomes (sSMC), three new cases; evidence for an underestimated entity?. Molecular Cytogenetics, 2008, 1, 6.	0.4	29

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127	Altered tissue distribution of 2-amino-1-methyl-6-phenylimidazo[4,5- b]pyridine-DNA adducts in mice transgenic for human sulfotransferases 1A1 and 1A2. Carcinogenesis, 2011, 32, 1734-1740.	1.3	29
128	Supernumerary small marker chromosome (SMC) and uniparental disomy 22 in a child with confined placental mosaicism of trisomy 22: Trisomy rescue due to marker chromosome formation. Cytogenetic and Genome Research, 2003, 101, 103-105.	0.6	28
129	Praderâ€“Willi syndrome with a karyotype 47,XY,+min(15)(pter->q11.1:) and maternal UPD 15â€”case report plus review of similar cases. European Journal of Medical Genetics, 2005, 48, 175-181.	0.7	28
130	Position of chromosomes 18, 19, 21 and 22 in 3D-preserved interphase nuclei of human and gorilla and white hand gibbon. Molecular Cytogenetics, 2008, 1, 9.	0.4	28
131	8p23.1 duplication syndrome differentiated from copy number variation of the defensin cluster at prenatal diagnosis in four new families. Molecular Cytogenetics, 2010, 3, 3.	0.4	28
132	Characterization of Prenatally Assessed De Novo Small Supernumerary Marker Chromosomes by Molecular Cytogenetics. Methods in Molecular Biology, 2008, 444, 27-38.	0.4	28
133	Impact of Various Parameters in Detecting Chromosomal Aberrations by FISH to Describe Radiosensitivity. Strahlentherapie Und Onkologie, 2004, 180, 289-296.	1.0	27
134	Genotype/phenotype analysis in a patient with pure and complete trisomy 12p. , 2004, 129A, 261-264.		27
135	Discontinuities and unsynapsed regions in meiotic chromosomes have a cis effect on meiotic recombination patterns in normal human males. Human Molecular Genetics, 2005, 14, 3013-3018.	1.4	27
136	Forty-eight new cases with infertility due to balanced chromosomal rearrangements: Detailed molecular cytogenetic analysis of the 90 involved breakpoints. International Journal of Molecular Medicine, 2007, 19, 855-64.	1.8	27
137	Multicolor FISH methods in current clinical diagnostics. Expert Review of Molecular Diagnostics, 2013, 13, 251-255.	1.5	27
138	Comprehensive chronic lymphocytic leukemia diagnostics by combined multiplex ligation dependent probe amplification (MLPA) and interphase fluorescence in situ hybridization (iFISH). Molecular Cytogenetics, 2014, 7, 79.	0.4	27
139	Comparative Cytogenetics and Neo-Y Formation in Small-Sized Fish Species of the Genus Pyrrhulina (Characiformes, Lebiasinidae). Frontiers in Genetics, 2019, 10, 678.	1.1	27
140	Karyotype diversity and evolutionary trends in the Asian swamp eel Monopterus albus (Synbranchiformes, Synbranchidae): a case of chromosomal speciation?. BMC Evolutionary Biology, 2019, 19, 73.	3.2	27
141	A complex chromosomal rearrangement with a translocation 4;10;14 in a fertile male carrier: ascertainment through an offspring with partial trisomy 14q24â†'1q22 and partial monosomy 4q27â†'q28. Cytogenetic and Genome Research, 2003, 103, 17-23.	0.6	26
142	FISH characterization of a dicentric Yq (p11.32) isochromosome in an azoospermic male. , 2004, 127A, 302-306.		26
143	Molecular cytogenetic characterization of epithelioid hemangioendothelioma. Cancer Genetics, 2011, 204, 671-676.	0.2	26
144	Karyotype and cytogenetic mapping of 9 classes of repetitive DNAs in the genome of the naked catfish Mystus bocourti (Siluriformes, Bagridae). Molecular Cytogenetics, 2013, 6, 51.	0.4	26

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145	Highly Rearranged Karyotypes and Multiple Sex Chromosome Systems in Armored Catfishes from the Genus Harttia (Teleostei, Siluriformes). Genes, 2020, 11, 1366.	1.0	26
146	Genomic organization of repetitive DNAs and its implications for male karyotype and the neo-Y chromosome differentiation in Erythrinus erythrinus (Characiformes, Erythrinidae). Comparative Cytogenetics, 2014, 8, 139-151.	0.3	26
147	Tetrasomy 8 as a clonal anomaly in myeloid neoplasias. Cancer Genetics and Cytogenetics, 1994, 72, 101-104.	1.0	25
148	Structure and chromosomal localization of the human and mouse muscle fructose-1,6-bisphosphatase genes. Gene, 2000, 247, 241-253.	1.0	25
149	Maternal insertion of 18q11.2-q12.2 in 18p11.3 of the same chromosome analysed by microdissection and multicolour banding (MCB). Prenatal Diagnosis, 2001, 21, 1049-1052.	1.1	25
150	Karyotyping of human oocytes by cenM-FISH, a new 24-colour centromere-specific technique. Human Reproduction, 2005, 20, 3395-3401.	0.4	25
151	Whole chromosome painting reveals independent origin of sex chromosomes in closely related forms of a fish species. Genetica, 2011, 139, 1065-1072.	0.5	25
152	Genetic mechanisms leading to primary amenorrhea in balanced X-autosome translocations. Fertility and Sterility, 2015, 103, 1289-1296.e2.	0.5	25
153	Integrated gene mapping and synteny studies give insights into the evolution of a sex proto-chromosome in Solea senegalensis. Chromosoma, 2017, 126, 261-277.	1.0	25
154	Human and mouse RAD17 genes: identification, localization, genomic structure and histological expression pattern in normal testis and seminoma. Human Genetics, 1999, 105, 17-27.	1.8	24
155	Two-Photon Multicolor FISH: A Versatile Technique to Detect Specific Sequences with in Single DNA Molecules in Cells and Tissues. Single Molecules, 2000, 1, 41-51.	1.7	24
156	Is 24-Color FISH Detection of In-Vitro Radiation-Induced Chromosomal Aberrations Suited to Determine Individual Intrinsic Radiosensitivity?. Strahlentherapie Und Onkologie, 2002, 178, 209-215.	1.0	24
157	New insights into the evolution of chromosome 1. Cytogenetic and Genome Research, 2005, 108, 217-222.	0.6	24
158	Overrepresentation of small supernumerary marker chromosomes (sSMC) from chromosome 6 origin in cases with multiple sSMC. American Journal of Medical Genetics, Part A, 2006, 140A, 46-51.	0.7	24
159	A report of pure 7p duplication syndrome and review of the literature. American Journal of Medical Genetics, Part A, 2006, 140A, 2802-2806.	0.7	24
160	X-chromosome terminal deletion in a female with premature ovarian failure: Haploinsufficiency of X-linked genes as a possible explanation. Molecular Cytogenetics, 2010, 3, 14.	0.4	24
161	First Case of a Neocentromere Formation in an Otherwise Normal Chromosome 7. Cytogenetic and Genome Research, 2010, 128, 189-191.	0.6	24
162	Sex Differences in Diabetes- and TGF-Î²1-Induced Renal Damage. Cells, 2020, 9, 2236.	1.8	24

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163	Piwi like RNA-mediated gene silencing 1gene as a possible major player in gastric cancer. World Journal of Gastroenterology, 2018, 24, 5338-5350.	1.4	24
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