

# Thomas Liehr

## List of Publications by Year in descending order

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801  
papers

13,891  
citations

38660

50  
h-index

58464

82  
g-index

831  
all docs

831  
docs citations

831  
times ranked

11894  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hepatocyte differentiation of mesenchymal stem cells from human adipose tissue in vitro promotes hepatic integration in vivo. <i>Gut</i> , 2009, 58, 570-581.	6.1	303
2	Small supernumerary marker chromosomes (sSMC) in humans. <i>Cytogenetic and Genome Research</i> , 2004, 107, 55-67.	0.6	258
3	Insights into Sex Chromosome Evolution and Aging from the Genome of a Short-Lived Fish. <i>Cell</i> , 2015, 163, 1527-1538.	13.5	251
4	Aneuploidy and Confined Chromosomal Mosaicism in the Developing Human Brain. <i>PLoS ONE</i> , 2007, 2, e558.	1.1	197
5	Aneuploidy in the normal, Alzheimer's disease and ataxia-telangiectasia brain: Differential expression and pathological meaning. <i>Neurobiology of Disease</i> , 2009, 34, 212-220.	2.1	195
6	Microdissection based high resolution multicolor banding for all 24 human chromosomes. <i>International Journal of Molecular Medicine</i> , 2002, 9, 335-9.	1.8	179
7	Frequency of small supernumerary marker chromosomes in prenatal, newborn, developmentally retarded and infertility diagnostics. <i>International Journal of Molecular Medicine</i> , 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. <i>Genes Chromosomes and Cancer</i> , 2001, 32, 203-211.	1.5	159
9	Small supernumerary marker chromosomes (SMCs): genotype-phenotype correlation and classification. <i>Human Genetics</i> , 2003, 114, 51-67.	1.8	159
10	Small supernumerary marker chromosomes " progress towards a genotype-phenotype correlation. <i>Cytogenetic and Genome Research</i> , 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). <i>Human Genetics</i> , 2001, 108, 199-204.	1.8	151
12	PDE3A mutations cause autosomal dominant hypertension with brachydactyly. <i>Nature Genetics</i> , 2015, 47, 647-653.	9.4	146
13	Complex chromosomal rearrangements: origin and meiotic behavior. <i>Human Reproduction Update</i> , 2011, 17, 476-494.	5.2	140
14	Microdeletion and Microduplication Syndromes. <i>Journal of Histochemistry and Cytochemistry</i> , 2012, 60, 346-358.	1.3	137
15	Localization of the Human $\beta$ -Catenin Gene (CTNNB1) to 3p21: A Region Implicated in Tumor Development. <i>Genomics</i> , 1994, 23, 272-274.	1.3	134
16	Disruption of ALX1 Causes Extreme Microphthalmia and Severe Facial Clefing: Expanding the Spectrum of Autosomal-Recessive ALX-Related Frontonasal Dysplasia. <i>American Journal of Human Genetics</i> , 2010, 86, 789-796.	2.6	128
17	Human Male Recombination Maps for Individual Chromosomes. <i>American Journal of Human Genetics</i> , 2004, 74, 521-531.	2.6	126
18	Cytogenetic contribution to uniparental disomy (UPD). <i>Molecular Cytogenetics</i> , 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. <i>Human Molecular Genetics</i> , 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. <i>Journal of Neuroscience Research</i> , 1995, 42, 733-741.	1.3	103
21	Demystifying chromosome preparation and the implications for the concept of chromosome condensation during mitosis. <i>Cytogenetic and Genome Research</i> , 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. <i>Journal of Histochemistry and Cytochemistry</i> , 2008, 56, 487-493.	1.3	96
23	X chromosome aneuploidy in the Alzheimer's disease brain. <i>Molecular Cytogenetics</i> , 2014, 7, 20.	0.4	89
24	Frequency of small supernumerary marker chromosomes in prenatal, newborn, developmentally retarded and infertility diagnostics. <i>International Journal of Molecular Medicine</i> , 2007, 19, 719.	1.8	87
25	Microdissection based high resolution multicolor banding for all 24 human chromosomes. <i>International Journal of Molecular Medicine</i> , 2002, 9, 335.	1.8	83
26	Rapid detection of subtelomeric deletion/duplication by novel real-time quantitative PCR using SYBR-green dye. <i>Human Mutation</i> , 2004, 23, 368-378.	1.1	81
27	A study of ten small supernumerary (marker) chromosomes identified by fluorescence <i>in situ</i> hybridization (FISH). <i>Clinical Genetics</i> , 1992, 42, 84-90.	1.0	81
28	The schizophrenia brain exhibits low-level aneuploidy involving chromosome 1. <i>Schizophrenia Research</i> , 2008, 98, 139-147.	1.1	80
29	Visualization of interphase chromosomes in postmitotic cells of the human brain by multicolour banding (MCB). <i>Chromosome Research</i> , 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. <i>European Journal of Human Genetics</i> , 2002, 10, 790-800.	1.4	76
31	Meiotic studies in two human reciprocal translocations and their association with spermatogenic failure. <i>Human Reproduction</i> , 2005, 20, 683-688.	0.4	74
32	Variation in MLH1 distribution in recombination maps for individual chromosomes from human males. <i>Human Molecular Genetics</i> , 2006, 15, 2376-2391.	1.4	72
33	Chromosome distribution in human sperm – a 3D multicolor banding-study. <i>Molecular Cytogenetics</i> , 2008, 1, 25.	0.4	72
34	Global screening and extended nomenclature for 230 aphidicolin-inducible fragile sites, including 61 yet unreported ones. <i>International Journal of Oncology</i> , 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. <i>Human Genetics</i> , 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. <i>American Journal of Human Genetics</i> , 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. <i>Genome Biology</i> , 2018, 19, 189.	3.8	66
38	Multicolor FISH probe sets and their applications. <i>Histology and Histopathology</i> , 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. <i>American Journal of Medical Genetics, Part A</i> , 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. <i>Oral Oncology</i> , 1998, 34, 186-190.	0.8	63
41	Multicolor chromosome banding (MCB) with YAC/BAC-based probes and region-specific microdissection DNA libraries. <i>Cytogenetic and Genome Research</i> , 2002, 97, 43-50.	0.6	63
42	Current Developments in Human Molecular Cytogenetic Techniques. <i>Current Molecular Medicine</i> , 2002, 2, 283-297.	0.6	63
43	The DNA-Based Structure of Human Chromosome 5 in Interphase. <i>American Journal of Human Genetics</i> , 2002, 71, 1051-1059.	2.6	62
44	Multicolor fluorescence in situ hybridization (FISH) applied to FISH-banding. <i>Cytogenetic and Genome Research</i> , 2006, 114, 240-244.	0.6	62
45	Supraphysiological androgen levels induce cellular senescence in human prostate cancer cells through the Src-Akt pathway. <i>Molecular Cancer</i> , 2014, 13, 214.	7.9	62
46	Small Supernumerary Marker Chromosomes and Uniparental Disomy Have a Story to Tell. <i>Journal of Histochemistry and Cytochemistry</i> , 2011, 59, 842-848.	1.3	60
47	Common Fragile Sites: Genomic Hotspots of DNA Damage and Carcinogenesis. <i>International Journal of Molecular Sciences</i> , 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. <i>New Biotechnology</i> , 2007, 24, 415-417.	2.7	59
49	Reconstruction of the female <i>Gorilla gorilla</i> karyotype using 25-color FISH and multicolor banding (MCB). <i>Cytogenetic and Genome Research</i> , 2001, 93, 242-248.	0.6	55
50	New Eukaryotic Semaphorins with Close Homology to Semaphorins of DNA Viruses. <i>Genomics</i> , 1998, 51, 340-350.	1.3	53
51	Detection of the CMT1A/HNPP recombination hotspot in unrelated patients of European descent.. <i>Journal of Medical Genetics</i> , 1997, 34, 43-49.	1.5	52
52	Multicolor-FISH Approaches for the Characterization of Human Chromosomes in Clinical Genetics and Tumor Cytogenetics. <i>Current Genomics</i> , 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. <i>Journal of Cancer Research and Clinical Oncology</i> , 2005, 131, 692-700.	1.2	51
54	Human adenoma cells are highly susceptible to the genotoxic action of 4-hydroxy-2-nonenal. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 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. <i>Journal of Histochemistry and Cytochemistry</i> , 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. <i>Cytogenetic and Genome Research</i> , 2014, 142, 40-45.	0.6	50
57	Handling small supernumerary marker chromosomes in prenatal diagnostics. <i>Expert Review of Molecular Diagnostics</i> , 2009, 9, 317-324.	1.5	49
58	Array painting using microdissected chromosomes to map chromosomal breakpoints. <i>Cytogenetic and Genome Research</i> , 2007, 116, 158-166.	0.6	48
59	Chromosomal abnormalities in couples with repeated fetal loss: An Indian retrospective study. <i>Indian Journal of Human Genetics</i> , 2013, 19, 415.	0.7	48
60	Recommendations for whole genome sequencing in diagnostics for rare diseases. <i>European Journal of Human Genetics</i> , 2022, 30, 1017-1021.	1.4	48
61	Mosaicism for the Charcot-Marie-Tooth disease type 1A duplication suggests somatic reversion. <i>Human Genetics</i> , 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. <i>European Journal of Human Genetics</i> , 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. <i>European Journal of Human Genetics</i> , 2014, 22, 338-343.	1.4	46
65	Next generation phenotyping in Emanuel and Pallister-Killian syndrome using computer-aided facial dysmorphology analysis of <sc>2D</sc> photos. <i>Clinical Genetics</i> , 2018, 93, 378-381.	1.0	46
66	Early Embryonic Chromosome Instability Results in Stable Mosaic Pattern in Human Tissues. <i>PLoS ONE</i> , 2010, 5, e9591.	1.1	46
67	Fish analysis of interphase nuclei extracted from paraffin-embedded tissue. <i>Trends in Genetics</i> , 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. <i>International Journal of Molecular Medicine</i> , 2008, 21, 705-14.	1.8	45
69	Genetic imbalances in 26 cases of penile squamous cell carcinoma. <i>Genes Chromosomes and Cancer</i> , 2001, 31, 48-53.	1.5	44
70	Somatic Mosaicism in Cases with Small Supernumerary Marker Chromosomes. <i>Current Genomics</i> , 2010, 11, 432-439.	0.7	44
71	Systems genetics view of endometriosis: a common complex disorder. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2015, 185, 59-65.	0.5	44
72	Highly conserved Z and molecularly diverged W chromosomes in the fish genus <i>Triportheus</i> (Characiformes, Triporthidae). <i>Heredity</i> , 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. <i>Clinical Genetics</i> , 1992, 42, 91-96.	1.0	43
74	The Human Genome Puzzle &#x2014; the Role of Copy Number Variation in Somatic Mosaicism. <i>Current Genomics</i> , 2010, 11, 426-431.	0.7	43
75	Multitude multicolor chromosome banding (mMBC) â€™ a comprehensive one-step multicolor FISH banding method. <i>Cytogenetic and Genome Research</i> , 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. <i>American Journal of Human Genetics</i> , 2008, 82, 181-187.	2.6	42
77	Evidence for multi-copy Mega-NUMT<i>s</i> in the human genome. <i>Nucleic Acids Research</i> , 2021, 49, 1517-1531.	6.5	42
78	Chromosomal Mapping of Repetitive DNAs in <i>Tripottheus trifurcatus</i> (Characidae, Characiformes): Insights into the Differentiation of the Z and W Chromosomes. <i>PLoS ONE</i> , 2014, 9, e90946.	1.1	42
79	Mosaic chromosomal aberrations in synovial fibroblasts of patients with rheumatoid arthritis, osteoarthritis, and other inflammatory joint diseases. <i>Arthritis Research</i> , 2001, 3, 319.	2.0	41
80	FISH banding methods: applications in research and diagnostics. <i>Expert Review of Molecular Diagnostics</i> , 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. <i>American Journal of Medical Genetics Part A</i> , 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. <i>Sexual Development</i> , 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. <i>Scientific Reports</i> , 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. <i>Cytogenetic and Genome Research</i> , 2000, 90, 268-270.	0.6	40
85	Molecular cytogenetic characterisation of partial trisomy 9q in a case with pyloric stenosis and a review. <i>Journal of Medical Genetics</i> , 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. <i>Prenatal Diagnosis</i> , 2007, 27, 783-785.	1.1	40
87	Small supernumerary marker chromosomes (sSMC) in humans; are there B chromosomes hidden among them. <i>Molecular Cytogenetics</i> , 2008, 1, 12.	0.4	38
88	Evolutionary Dynamics of rDNAs and U2 Small Nuclear DNAs in <i>Tripottheus</i> (Characiformes,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.5	38
89	Patterns of genomic imbalances in human solid tumors (Review).. <i>International Journal of Oncology</i> , 2000, 16, 383-99.	1.4	37
90	Molecular cytogenetic characterization of the mantle cell lymphoma cell line GRANTA-519. <i>Cancer Genetics and Cytogenetics</i> , 2004, 153, 144-150.	1.0	37

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91	Neocentric small supernumerary marker chromosomes (sSMC) – three more cases and review of the literature. <i>Cytogenetic and Genome Research</i> , 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. <i>Food and Chemical Toxicology</i> , 2003, 41, 655-664.	1.8	36
93	Monitoring of gas station attendants exposure to benzene, toluene, xylene (BTX) using three-color chromosome painting. <i>Molecular Cytogenetics</i> , 2014, 7, 15.	0.4	35
94	Tracking the evolutionary pathway of sex chromosomes among fishes: characterizing the unique XX/XY1Y2 system in <i>Hoplias malabaricus</i> (Teleostei, Characiformes). <i>Chromosoma</i> , 2018, 127, 115-128.	1.0	35
95	Karyotyping of human synaptonemal complexes by cenM-FISH. <i>European Journal of Human Genetics</i> , 2003, 11, 879-883.	1.4	34
96	S2-Leitlinie Humangenetische Diagnostik. <i>Medizinische Genetik</i> , 2012, 23, 281-323.	0.1	34
97	Independent Sex Chromosome Evolution in Lower Vertebrates: A Molecular Cytogenetic Overview in the Erythrinidae Fish Family. <i>Cytogenetic and Genome Research</i> , 2013, 141, 186-194.	0.6	34
98	Complex small supernumerary marker chromosomes – an update. <i>Molecular Cytogenetics</i> , 2013, 6, 46.	0.4	34
99	A supernumerary –B-sex–chromosome drives male sex determination in the Pach <sup>3</sup> n cavefish, <i>Astyanax mexicanus</i> . <i>Current Biology</i> , 2021, 31, 4800-4809.e9.	1.8	34
100	Small supernumerary marker chromosomes and their correlation with specific syndromes. <i>Advanced Biomedical Research</i> , 2015, 4, 140.	0.2	34
101	Chromosome variability of human multipotent mesenchymal stromal cells. <i>Bulletin of Experimental Biology and Medicine</i> , 2007, 143, 122-126.	0.3	33
102	Clinical Impact of Somatic Mosaicism in Cases with Small Supernumerary Marker Chromosomes. <i>Cytogenetic and Genome Research</i> , 2013, 139, 158-163.	0.6	33
103	Small supernumerary marker chromosomes: A legacy of trisomy rescue?. <i>Human Mutation</i> , 2019, 40, 193-200.	1.1	33
104	Partial tetrasomy 12pter-12p12.3 in a girl with Pallister-Killian syndrome: extraordinary finding of an anaphoid, inverted duplicated marker. <i>European Journal of Human Genetics</i> , 2001, 9, 572-576.	1.4	32
105	Suspension (S)-FISH, a New Technique for Interphase Nuclei. <i>Journal of Histochemistry and Cytochemistry</i> , 2002, 50, 1697-1698.	1.3	32
106	Severe intellectual disability, omphalocele, hypospadias and high blood pressure associated to a deletion at 2q22.1q22.3: case report. <i>Molecular Cytogenetics</i> , 2012, 5, 30.	0.4	32
107	16p11.2–p12.2 duplication syndrome; a genomic condition differentiated from euchromatic variation of 16p11.2. <i>European Journal of Human Genetics</i> , 2013, 21, 182-189.	1.4	32
108	X–linked intellectual disability related genes disrupted by balanced X–autosome translocations. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 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. <i>Journal of Medical Genetics</i> , 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. <i>Toxicological Sciences</i> , 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. <i>European Journal of Medical Genetics</i> , 2007, 50, 133-138.	0.7	31
112	Variation in crossover interference levels on individual chromosomes from human males. <i>Human Molecular Genetics</i> , 2008, 17, 2583-2594.	1.4	31
113	Heteromorphic variants of chromosome 9. <i>Molecular Cytogenetics</i> , 2013, 6, 14.	0.4	31
114	Small Supernumerary Marker Chromosomes in Human Infertility. <i>Cytogenetic and Genome Research</i> , 2015, 146, 100-108.	0.6	31
115	Heterogenic molecular basis for loss of ABL1-BCR transcription: Deletions in der(9)t(9;22) and variants of standard t(9;22) in BCR-ABL1-positive chronic myeloid leukemia. <i>Genes Chromosomes and Cancer</i> , 2002, 34, 193-200.	1.5	30
116	Enlarged chromosome 13 p-arm hiding a cryptic partial trisomy 6p22.2-pter. <i>Prenatal Diagnosis</i> , 2003, 23, 427-430.	1.1	30
117	Rapid Prenatal Diagnostics in the Interphase Nucleus: Procedure and Cut-off Rates. <i>Journal of Histochemistry and Cytochemistry</i> , 2005, 53, 289-291.	1.3	30
118	Parental-origin-determination fluorescence in situ hybridization distinguishes homologous human chromosomes on a single-cell level. <i>International Journal of Molecular Medicine</i> , 2008, 21, 189-200.	1.8	30
119	W Chromosome Dynamics in <i>Triportheus</i> Species (Characiformes, Triportheidae): An Ongoing Process Narrated by Repetitive Sequences. <i>Journal of Heredity</i> , 2016, 107, 342-348.	1.0	30
120	Localization of mariner DNA Transposons in the Human Genome by PRINS. <i>Genome Research</i> , 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. <i>British Journal of Haematology</i> , 2001, 113, 435-438.	1.2	29
122	Analysis of non-crossover bivalents in pachytene cells from 10 normal men. <i>Human Reproduction</i> , 2006, 21, 2335-2339.	0.4	29
123	Familial small supernumerary marker chromosomes are predominantly inherited via the maternal line. <i>Genetics in Medicine</i> , 2006, 8, 459-462.	1.1	29
124	t(11;19)(q21;p12) and MECT1-MAML2 fusion transcript expression as a prognostic marker in infantile lung mucoepidermoid carcinoma. <i>Journal of Pediatric Surgery</i> , 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. <i>American Journal of Medical Genetics, Part A</i> , 2007, 143A, 2727-2732.	0.7	29
126	Complex rearranged small supernumerary marker chromosomes (sSMC), three new cases; evidence for an underestimated entity?. <i>Molecular Cytogenetics</i> , 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. <i>Carcinogenesis</i> , 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. <i>Cytogenetic and Genome Research</i> , 2003, 101, 103-105.	0.6	28
129	Prader-Willi syndrome with a karyotype 47,XY,+min(15)(pter->q11.1:) and maternal UPD 15 case report plus review of similar cases. <i>European Journal of Medical Genetics</i> , 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. <i>Molecular Cytogenetics</i> , 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. <i>Molecular Cytogenetics</i> , 2010, 3, 3.	0.4	28
132	Characterization of Prenatally Assessed De Novo Small Supernumerary Marker Chromosomes by Molecular Cytogenetics. <i>Methods in Molecular Biology</i> , 2008, 444, 27-38.	0.4	28
133	Impact of Various Parameters in Detecting Chromosomal Aberrations by FISH to Describe Radiosensitivity. <i>Strahlentherapie Und Onkologie</i> , 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. <i>Human Molecular Genetics</i> , 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. <i>International Journal of Molecular Medicine</i> , 2007, 19, 855-64.	1.8	27
137	Multicolor FISH methods in current clinical diagnostics. <i>Expert Review of Molecular Diagnostics</i> , 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). <i>Molecular Cytogenetics</i> , 2014, 7, 79.	0.4	27
139	Comparative Cytogenetics and Neo-Y Formation in Small-Sized Fish Species of the Genus <i>Pyrhulina</i> (Characiformes, Lebiasinidae). <i>Frontiers in Genetics</i> , 2019, 10, 678.	1.1	27
140	Karyotype diversity and evolutionary trends in the Asian swamp eel <i>Monopterus albus</i> (Synbranchiformes, Synbranchidae): a case of chromosomal speciation?. <i>BMC Evolutionary Biology</i> , 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 14q24 and partial monosomy 4q27-q28. <i>Cytogenetic and Genome Research</i> , 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. <i>Cancer Genetics</i> , 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 <i>Mystus bocourti</i> (Siluriformes, Bagridae). <i>Molecular Cytogenetics</i> , 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 <i>Harttia</i> (Teleostei, Siluriformes). <i>Genes</i> , 2020, 11, 1366.	1.0	26
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282	Increased Efficiency of Fluorescence In Situ Hybridization (FISH) Using the Microwave. <i>Journal of Histochemistry and Cytochemistry</i> , 2005, 53, 1301-1303.	1.3	13
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