Anja Weise

List of Publications by Year
in descending order

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130	3,067	201575	182361
papers	citations	27 h-index	51 g-index

137	137	137	3645
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insights into Sex Chromosome Evolution and Aging from the Genome of a Short-Lived Fish. Cell, 2015, 163, 1527-1538.	13.5	251
2	Microdissection based high resolution multicolor banding for all 24 human chromosomes. International Journal of Molecular Medicine, 2002, 9, 335-9.	1.8	179
3	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
4	Small supernumerary marker chromosomes (SMCs): genotype-phenotype correlation and classification. Human Genetics, 2003, 114, 51-67.	1.8	159
5	PDE3A mutations cause autosomal dominant hypertension with brachydactyly. Nature Genetics, 2015, 47, 647-653.	9.4	146
6	Microdeletion and Microduplication Syndromes. Journal of Histochemistry and Cytochemistry, 2012, 60, 346-358.	1.3	137
7	A Parallel Approach for Subwavelength Molecular Surgery Using Gene-Specific Positioned Metal Nanoparticles as Laser Light Antennas. Nano Letters, 2007, 7, 247-253.	4.5	102
8	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
9	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
10	Microdissection based high resolution multicolor banding for all 24 human chromosomes. International Journal of Molecular Medicine, 2002, 9, 335.	1.8	83
11	Chromosome distribution in human sperm â€“ a 3D multicolor banding-study. Molecular Cytogenetics, 2008, 1, 25.	0.4	72
12	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
13	Impact of Polyphenol Metabolites Produced by Colonic Microbiota on Expression of COX-2 and GSTT2 in Human Colon Cells (LT97). Nutrition and Cancer, 2011, 63, 653-662.	0.9	69
14	Small Supernumerary Marker Chromosomes and Uniparental Disomy Have a Story to Tell. Journal of Histochemistry and Cytochemistry, 2011, 59, 842-848.	1.3	60
15	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
16	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
17	Handling small supernumerary marker chromosomes in prenatal diagnostics. Expert Review of Molecular Diagnostics, 2009, 9, 317-324.	1.5	49
18	Early Embryonic Chromosome Instability Results in Stable Mosaic Pattern in Human Tissues. PLoS ONE, 2010, 5, e9591.	1.1	46

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19	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
20	Somatic Mosaicism in Cases with Small Supernumerary Marker Chromosomes. Current Genomics, 2010, 11, 432-439.	0.7	44
21	The Human Genome Puzzle — the Role of Copy Number Variation in Somatic Mosaicism. Current Genomics, 2010, 11, 426-431.	0.7	43
22	2-Dodecylcyclobutanone, a radiolytic product of palmitic acid, is genotoxic in primary human colon cells and in cells from preneoplastic lesions. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2006, 594, 10-19.	0.4	32
23	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
24	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
25	Heteromorphic variants of chromosome 9. Molecular Cytogenetics, 2013, 6, 14.	0.4	31
26	t(11;19)(q21;p12âˆ¼p13.11) 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
27	Complex rearranged small supernumerary marker chromosomes (sSMC), three new cases; evidence for an underestimated entity?. Molecular Cytogenetics, 2008, 1, 6.	0.4	29
28	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
29	Uranyl Nitrilotriacetate, a Stabilized Salt of Uranium, is Genotoxic in Nontransformed Human Colon Cells and in the Human Colon Adenoma Cell Line LT97. Toxicological Sciences, 2006, 93, 286-297.	1.4	27
30	Multicolor FISH methods in current clinical diagnostics. Expert Review of Molecular Diagnostics, 2013, 13, 251-255.	1.5	27
31	Molecular cytogenetic characterization of epithelioid hemangioendothelioma. Cancer Genetics, 2011, 204, 671-676.	0.2	26
32	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
33	High-throughput sequencing of microdissected chromosomal regions. European Journal of Human Genetics, 2010, 18, 457-462.	1.4	23
34	Segmental haplosufficiency: transmitted deletions of 2p12 include a pancreatic regeneration gene cluster and have no apparent phenotypic consequences. European Journal of Human Genetics, 2005, 13, 283-291.	1.4	21
35	Breakpoint mapping and complete analysis of meiotic segregation patterns in three men heterozygous for paracentric inversions. European Journal of Human Genetics, 2009, 17, 44-50.	1.4	21
36	Noninvasive Prenatal Testing - When Is It Advantageous to Apply. Biomedicine Hub, 2017, 2, 1-11.	0.4	21

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37	Centromere activity in dicentric small supernumerary marker chromosomes. Chromosome Research, 2010, 18, 555-562.	1.0	20
38	Molecular cytogenetic characterization of eight small supernumerary marker chromosomes originating from chromosomes 2, 4, 8,18, and 21 in three patients. Journal of Applied Genetics, 2007, 48, 167-175.	1.0	19
39	Preferred co-localization of chromosome 8 and 21 in myeloid bone marrow cells detected by three dimensional molecular cytogenetics. International Journal of Molecular Medicine, 2009, 24, 335-41.	1.8	19
40	Meiotic segregation of complex reciprocal translocations: direct analysis of the spermatozoa of a t(5;13;14) carrier. Fertility and Sterility, 2011, 95, 2433.e17-2433.e22.	0.5	19
41	The hierarchically organized splitting of chromosomal bands for all human chromosomes. Molecular Cytogenetics, 2009, 2, 4.	0.4	18
42	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, , .	1.8	17
43	A New Multicolor Fluorescence In Situ Hybridization Probe Set Directed Against Human Heterochromatin. Journal of Histochemistry and Cytochemistry, 2012, 60, 530-536.	1.3	17
44	Partial monosomy 7q34-qter and 21pter-q22.13 due to cryptic unbalanced translocation t(7;21) but not monosomy of the whole chromosome 21: a case report plus review of the literature. Molecular Cytogenetics, 2008, 1, 13.	0.4	16
45	Characterization of sSMC by FISH and molecular techniques. European Journal of Medical Genetics, 2011, 54, 247-255.	0.7	16
46	Parental origin of deletions and duplications â€“ about the necessity to check for cryptic inversions. Molecular Cytogenetics, 2018, 11, 20.	0.4	16
47	Fluorescencein situhybridization for prenatal screening of chromosomal aneuploidies. Expert Review of Molecular Diagnostics, 2008, 8, 355-357.	1.5	15
48	Derivative chromosome 1 and GLUT1 deficiency syndrome in a sibling pair. Molecular Cytogenetics, 2010, 3, 10.	0.4	14
49	Insertional translocation leading to a 4q13 duplication including the EPHA5 gene in two siblings with attentionâ€deficit hyperactivity disorder. American Journal of Medical Genetics, Part A, 2013, 161, 1923-1928.	0.7	14
50	Chromosomes in a genome-wise order: evidence for metaphase architecture. Molecular Cytogenetics, 2016, 9, 36.	0.4	14
51	Characterisation of Small Supernumerary Marker Chromosomes (sSMC) in Human. Current Genomics, 2004, 5, 279-286.	0.7	14
52	Increased Efficiency of Fluorescence In Situ Hybridization (FISH) Using the Microwave. Journal of Histochemistry and Cytochemistry, 2005, 53, 1301-1303.	1.3	13
53	A small supernumerary marker chromosome present in a Turner syndrome patient not derived from X- or Y-chromosome: a case report. Molecular Cytogenetics, 2009, 2, 22.	0.4	13
54	Chromosome 5 derived small supernumerary marker: towards a genotype/phenotype correlation of proximal chromosome 5 imbalances. Journal of Applied Genetics, 2011, 52, 193-200.	1.0	13

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55	First detailed reconstruction of the karyotype of Trachypithecus cristatus (Mammalia:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.4	13
56	Reorganization of interâ€‹ chromosomal interactions in the 2q37â€‹deletion syndrome. EMBO Journal, 2018, 37, .	3.5	13
57	Evidence for interphase DNA decondensation transverse to the chromosome axis: a multicolor banding analysis. International Journal of Molecular Medicine, 2002, 9, 359-61.	1.8	13
58	POD-FISH: A New Technique for Parental Origin Determination Based on Copy Number Variation Polymorphism. Methods in Molecular Biology, 2010, 659, 291-298.	0.4	12
59	How to narrow down chromosomal breakpoints in small and large derivative chromosomes â€“ a new probe set. Journal of Applied Genetics, 2012, 53, 259-269.	1.0	12
60	Comprehensive Analyses of White-Handed Gibbon Chromosomes Enables Access to 92 Evolutionary Conserved Breakpoints Compared to the Human Genome. Cytogenetic and Genome Research, 2015, 145, 42-49.	0.6	12
61	New Immortalized Cell Lines of Patients With Small Supernumerary Marker Chromosome. Journal of Histochemistry and Cytochemistry, 2007, 55, 651-660.	1.3	11
62	Further delineation of complex chromosomal rearrangements in fertile male using multicolor banding. Molecular Cytogenetics, 2008, 1, 17.	0.4	11
63	Paternally derived der(7)t(Y;7)(p11.1â^¼11.2;p22.3)dn in a mosaic case with Turner syndrome. European Journal of Medical Genetics, 2009, 52, 207-210.	0.7	11
64	New aspects on chromosomal instability: chromosomal break-points in Fanconi anemia patients co-localize on the molecular level with fragile sites. International Journal of Oncology, 2010, 36, 307-12.	3.9	11
65	Precise breakpoint characterization of the colon adenocarcinoma cell line HT-29 clone 19A by means of 24-color fluorescence in situ hybridization and multicolor banding. Genes Chromosomes and Cancer, 2003, 36, 207-210.	1.5	9
66	Characterization of a prenatally assessed de novo supernumerary minute ring chromosome 20 in a phenotypically normal male. Molecular Cytogenetics, 2009, 2, 1.	0.4	9
67	Evidence for interphase DNA decondensation transverse to the chromosome axis: A multicolor banding analysis. International Journal of Molecular Medicine, 2002, 9, 359.	1.8	8
68	Parental origin and functional relevance of a de novo UBE3A variant. European Journal of Medical Genetics, 2011, 54, 19-24.	0.7	8
69	An Interstitial 4q31.21q31.22 Microdeletion Associated with Developmental Delay: Case Report and Literature Review. Cytogenetic and Genome Research, 2014, 142, 227-238.	0.6	8
70	First molecular-cytogenetic characterization of Fanconi anemia fragile sites in primary lymphocytes of FA-D2 patients in different stages of the disease. Molecular Cytogenetics, 2016, 9, 70.	0.4	8
71	Analysis of copy number variations induced by ultrashort electron beam radiation in human leukocytes in vitro. Molecular Cytogenetics, 2019, 12, 18.	0.4	8
72	Recombinant Chromosomes Resulting From Parental Pericentric Inversionsâ€”Two New Cases and a Review of the Literature. Frontiers in Genetics, 2019, 10, 1165.	1.1	8

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73	Characterization of Small Marker Chromosomes (SMC) by Recently Developed Molecular Cytogenetic Approaches. Journal of the Association of Genetic Technologists, 2003, 29, 5-10.	0.1	8
74	Prenatal diagnosis of a fetus with ring chromosome 15 characterized by arrayâ€CGH. Prenatal Diagnosis, 2009, 29, 884-888.	1.1	7
75	Presence of harmless small supernumerary marker chromosomes hampers molecular genetic diagnosis: a case report. Molecular Medicine Reports, 2010, 3, 571-4.	1.1	7
76	Analysis of SYCP3 encoding synaptonemal complex protein 3 in human aneuploidies. Archives of Gynecology and Obstetrics, 2013, 288, 1153-1158.	0.8	7
77	Cytogenomics of six human trophoblastic cell lines. Placenta, 2021, 103, 72-75.	0.7	7
78	Cytogenetic characterisation and proteomic profiling of the Imatinib-resistant cell line KCL22-R. International Journal of Oncology, 2007, 31, 121.	1.4	6
79	Molecular cytogenetic characterisation of a mosaic add(12)(p13.3) with an inv dup(3)(q26.31 â†' qter) detected in an autistic boy. Molecular Cytogenetics, 2009, 2, 16.	0.4	6
80	Pre- and Postnatal Diagnostics and Research on Peripheral Blood, Chorion, Amniocytes, and Fibroblasts. , 2009, , 113-122.		6
81	S100A11 plays a role in homologous recombination and genome maintenance by influencing the persistence of RAD51 in DNA repair foci. Cell Cycle, 2016, 15, 2766-2779.	1.3	6
82	Pre- and Postnatal Diagnostics and Research on Peripheral Blood, Bone Marrow, Chorion, Amniocytes, and Fibroblasts. Springer Protocols, 2017, , 171-180.	0.1	6
83	Molecular cytogenetic characterisation of the colorectal cancer cell line SW480. Oncology Reports, 0, , .	1.2	6
84	FISH banding in tumor cytogenetics. Cancer Genetics and Cytogenetics, 2006, 164, 88-89.	1.0	5
85	Clinically abnormal case with paternally derived partial trisomy 8p23.3 to 8p12 including maternal isodisomy of 8p23.3: a case report. Molecular Cytogenetics, 2009, 2, 14.	0.4	5
86	Small Supernumerary Marker Chromosomes 1 With a Normal Phenotype. Journal of the Chinese Medical Association, 2010, 73, 205-207.	0.6	5
87	Loss of chromosome 4 correlates with better long-term survival and lower relapse rate after R0-resection of colorectal liver metastases. Journal of Cancer Research and Clinical Oncology, 2013, 139, 1861-1867.	1.2	5
88	Comprehensive characterization of evolutionary conserved breakpoints in four New World Monkey karyotypes compared to Chlorocebus aethiops and Homo sapiens. Heliyon, 2015, 1, e00042.	1.4	5
89	Application of multicolor banding combined with heterochromatic and locus-specific probes identify evolutionary conserved breakpoints in Hylobates pileatus. Molecular Cytogenetics, 2016, 9, 17.	0.4	5
90	Chromosomes in the DNA era: Perspectives in diagnostics and research. Medizinische Genetik, 2019, 31, 8-19.	0.1	5

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91	Rapid Prenatal Aneuploidy Screening by Fluorescence In Situ Hybridization (FISH). Methods in Molecular Biology, 2019, 1885, 129-137.	0.4	5
92	BAC-Probes Applied for Characterization of Fragile Sites (FS). Methods in Molecular Biology, 2015, 1227, 289-298.	0.4	5
93	Application of BAC-Probes to Visualize Copy Number Variants (CNVs). Methods in Molecular Biology, 2015, 1227, 299-307.	0.4	5
94	Complex chromosome rearrangement in a child with microcephaly, dysmorphic facial features and mosaicism for a terminal deletion del(18)(q21.32-qter) investigated by FISH and array-CGH: Case report. Molecular Cytogenetics, 2008, 1, 24.	0.4	4
95	ISH Probes Derived from BACs, Including Microwave Treatment for Better FISH Results. , 2009, , 53-60.		4
96	Two siblings with immunodeficiency, facial abnormalities and chromosomal instability without mutation in DNMT3B gene but liability towards malignancy; a new chromatin disorder delineation?. Molecular Cytogenetics, 2010, 3, 5.	0.4	4
97	Characterization of Chromosomal Rearrangements Using Multicolor-Banding (MCB/m-band). Methods in Molecular Biology, 2010, 659, 231-238.	0.4	4
98	Fragile Sites as Drivers of Gene and Genome Evolution. Current Genetic Medicine Reports, 2018, 6, 136-143.	1.9	4
99	First interchromosomal insertion in a patient with cerebral and spinal cavernous malformations. Scientific Reports, 2020, 10, 6306.	1.6	4
100	Sites of chromosomal instability in the context of nuclear architecture and function. Cellular and Molecular Life Sciences, 2021, 78, 2095-2103.	2.4	4
101	Alpha-fetoprotein and its value for predicting pregnancy outcomes ï¿½ a re-evaluation. Journal of Prenatal Medicine, 2015, 9, 18-23.	0.2	4
102	Delineation of yet unknown cryptic subtelomere aberrations in 50% of acute myeloid leukemia with normal GTG-banding karyotype. International Journal of Oncology, 2009, 34, 417-23.	1.4	4
103	Breakpoint locations within chromosomes 1, 2, and 4 of patients with increased radiosensitivity. Cancer Genetics and Cytogenetics, 2006, 168, 1-10.	1.0	3
104	Chromosomale Mosaike in der klinischen Zytogenetik. Medizinische Genetik, 2014, 26, 302-308.	0.1	3
105	Molecular cytogenetic pilot study on pleomorphic adenomas of salivary glands. Oncology Letters, 2020, 19, 1125-1130.	0.8	3
106	Fluorescence In Situ Hybridization (FISH) on Human Chromosomes Using Photoprobe Biotin-labeled Probes. Journal of Histochemistry and Cytochemistry, 2003, 51, 549-551.	1.3	2
107	Diagnostic applications of fluorescencein situhybridization. Expert Opinion on Medical Diagnostics, 2009, 3, 453-460.	1.6	2
108	Karyotypes of trophoblastic cell lines. Placenta, 2016, 45, 108.	0.7	2

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109	Assessing Skewed X-Chromosome Inactivation. Current Protocols in Human Genetics, 2018, 98, e66.	3.5	2
110	High resolution karyotype of thai crab-eating macaque (Macaca fascicularis). Genetika, 2014, 46, 877-882.	0.1	2
111	Molecular Cytogenetic Analysis of One African and Five Asian Macaque Species Reveals Identical Karyotypes as in Mandrill. Current Genomics, 2018, 19, 207-215.	0.7	2
112	Two further AHO-like syndrome patients with deletion of glypican 1 gene region in 2q37.2-q37.3. International Journal of Molecular Medicine, 2004, 14, 977.	1.8	1
113	Comparative analysis of proliferative and genetic alterations in a primary chordoid meningioma and its recurrence using locus-specific probes and AgNOR. Molecular Medicine Reports, 2009, 2, 449-54.	1.1	1
114	A case of aggressive medulloblastoma with multiple recurrent chromosomal alterations. Cancer Genetics and Cytogenetics, 2010, 196, 198-200.	1.0	1
115	A 33-year-old male patient with paternal derived duplication of 14q11.2â€“14q22.1~22.3: clinical course, phenotypic and genotypic findings. Journal of Pediatric Endocrinology and Metabolism, 2016, 29, 611-6.	0.4	1
116	Interchromosomal interactions with meaning for disease. , 2021, , 349-356.		1
117	Localization of laser energy conversion by metal nanoparticles: basic effects and applications. , 2006, , .		0
118	cenM-FISH Approaches. , 2009, , 251-257.		0
119	Zytogenetische und molekularzytogenetische Methoden in der PrÃnataldiagnostik. Medizinische Genetik, 2014, 26, 391-397.	0.1	0
120	Molecular karyotyping. , 2021, , 73-85.		0
121	Abstract 254: A HDAC1-binding domain within FATS bridges p21 turnover to radiation-induced tumorigenesis. , 2010, , .		0
122	High resolution karyotype of Thai crab-eating macaque (Macaca fascicularis). Archives of Biological Sciences, 2014, 66, 1603-1607.	0.2	0
123	FISH Banding Techniques. Springer Protocols, 2017, , 241-247.	0.1	0
124	Subtelomeric and/or Subcentromeric Probe Sets. Springer Protocols, 2017, , 261-269.	0.1	0
125	Heterochromatin-Directed mFISH (HCM-FISH). Springer Protocols, 2017, , 257-259.	0.1	0
126	cenM-FISH Approaches. Springer Protocols, 2017, , 249-255.	0.1	0

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127	FISH in Uncultivated Amniocytes. Springer Protocols, 2017, , 185-188.	0.1	0
128	Microwave Treatment for Better FISH Results in a Shorter Time. Springer Protocols, 2017, , 119-122.	0.1	0
129	How to Obtain Highâ€Quality Metaphase Spreads for Molecular Cytogenetics. Current Protocols, 2022, 2, e392.	1.3	0
130	First Comprehensive Characterization of Phayreâ€™s Leaf-Monkey (Trachypithecus phayrei) Karyotype. Frontiers in Genetics, 2022, 13, 841681.	1.1	0