Sakari Knuutila

List of Publications by Citations

236 papers	8,462 citations	50 h-index	79 g-index
239 ext. papers	8,976 ext. citations	5.5 avg, IF	5.29 L-index

#	Paper	IF	Citations
236	Prognostic subgroups in B-cell chronic lymphocytic leukemia defined by specific chromosomal abnormalities. *New England Journal of Medicine*, **1990**, 323, 720-4	59.2	496
235	Localization of a susceptibility locus for Peutz-Jeghers syndrome to 19p using comparative genomic hybridization and targeted linkage analysis. *Nature Genetics*, **1997**, 15, 87-90	36.3	385
234	DNA copy number losses in human neoplasms. *American Journal of Pathology*, **1999**, 155, 683-94	5.8	334
233	CDKN2A, NF2, and JUN are dysregulated among other genes by miRNAs in malignant mesothelioma -A miRNA microarray analysis. *Genes Chromosomes and Cancer*, **2009**, 48, 615-23	5	233
232	BCL2 Overexpression Associated With Chromosomal Amplification in Diffuse Large B-Cell Lymphoma. *Blood*, **1997**, 90, 1168-1174	2.2	179
231	Identification of differentially expressed genes in pulmonary adenocarcinoma by using cDNA array. *Oncogene*, **2002**, 21, 5804-13	9.2	158
230	Uniparental disomy in cancer. *Trends in Molecular Medicine*, **2009**, 15, 120-8	11.5	144
229	Differentially expressed genes in nonsmall cell lung cancer: expression profiling of cancer-related genes in squamous cell lung cancer. *Cancer Genetics and Cytogenetics*, **2004**, 149, 98-106		131
228	Comparison of targeted next-generation sequencing (NGS) and real-time PCR in the detection of EGFR, KRAS, and BRAF mutations on formalin-fixed, paraffin-embedded tumor material of non-small cell lung carcinoma-superiority of NGS. *Genes Chromosomes and Cancer*, **2013**, 52, 503-11	5	122
227	DNA sequence copy number increase at 8q: a potential new prognostic marker in high-grade osteosarcoma. *International Journal of Cancer*, **1999**, 84, 114-21	7.5	114
226	Targets of gene amplification and overexpression at 17q in gastric cancer. *Cancer Research*, **2002**, 62, 2625-9	10.1	109
225	DNA gains in 3q occur frequently in squamous cell carcinoma of the lung, but not in adenocarcinoma. *Genes Chromosomes and Cancer*, **1998**, 22, 79-82	5	106
224	Integrative analysis of microRNA, mRNA and aCGH data reveals asbestos- and histology-related changes in lung cancer. *Genes Chromosomes and Cancer*, **2011**, 50, 585-97	5	103
223	Gain of 3q and deletion of 11q22 are frequent aberrations in mantle cell lymphoma. *Genes Chromosomes and Cancer*, **1998**, 21, 298-307	5	103
222	Molecular mechanisms of CD99-induced caspase-independent cell death and cell-cell adhesion in Ewing's sarcoma cells: actin and zyxin as key intracellular mediators. *Oncogene*, **2004**, 23, 5664-74	9.2	98
221	Online access to CGH data of DNA sequence copy number changes. *American Journal of Pathology*, **2000**, 157, 689	5.8	98
220	DNA copy number changes in development and progression in leiomyosarcomas of soft tissues. *American Journal of Pathology*, **1998**, 153, 985-90	5.8	95

219	Gene amplifications in osteosarcoma-CGH microarray analysis. *Genes Chromosomes and Cancer*, **2005**, 42, 158-63	5	91
218	MicroRNA profiling differentiates colorectal cancer according to KRAS status. *Genes Chromosomes and Cancer*, **2012**, 51, 1-9	5	89
217	Ring chromosomes in parosteal osteosarcoma contain sequences from 12q13-15: a combined cytogenetic and comparative genomic hybridization study. *Genes Chromosomes and Cancer*, **1996**, 16, 31-4	5	85
216	17q12-21 amplicon, a novel recurrent genetic change in intestinal type of gastric carcinoma: a comparative genomic hybridization study. *Genes Chromosomes and Cancer*, **1997**, 20, 38-43	5	79
215	Gastric cancers overexpress DARPP-32 and a novel isoform, t-DARPP. *Cancer Research*, **2002**, 62, 4061-4	10.1	79
214	Different patterns of DNA copy number changes in gastrointestinal stromal tumors, leiomyomas, and schwannomas. *Human Pathology*, **1998**, 29, 476-81	3.7	77
213	Cytogenetic and molecular genetic changes in malignant mesothelioma. *Cancer Genetics and Cytogenetics*, **2006**, 170, 9-15		77
212	Acute myelogenous leukaemia with c-myc amplification and double minute chromosomes. *Lancet, The*, **1985**, 2, 1035-9	40	75
211	Expression profiling of gastric adenocarcinoma using cDNA array. *International Journal of Cancer*, **2001**, 92, 832-8	7.5	74
210	Gains and losses of DNA sequences in liposarcomas evaluated by comparative genomic hybridization. *Genes Chromosomes and Cancer*, **1996**, 15, 89-94	5	73
209	Epigenetic signatures of familial cancer are characteristic of tumor type and family category. *Cancer Research*, **2008**, 68, 4597-605	10.1	72
208	Comprehensive characterization of HNPCC-related colorectal cancers reveals striking molecular features in families with no germline mismatch repair gene mutations. *Oncogene*, **2005**, 24, 1542-51	9.2	71
207	CDK4 is a probable target gene in a novel amplicon at 12q13.3-q14.1 in lung cancer. *Genes Chromosomes and Cancer*, **2005**, 42, 193-9	5	70
206	Genetic differences between adenocarcinomas arising in Barrett's esophagus and gastric mucosa. *Gastroenterology*, **2001**, 121, 592-8	13.3	70
205	Chromosomal alterations in human pancreatic endocrine tumors. *Genes Chromosomes and Cancer*, **2000**, 29, 83-7	5	68
204	Erythroid and granulocyte-macrophage colony formation in myelodysplastic syndromes. *Scandinavian Journal of Haematology*, **1984**, 32, 395-402		67
203	Comparative genomic hybridization reveals complex genetic changes in primary breast cancer tumors and their cell lines. *Cancer Genetics and Cytogenetics*, **2000**, 119, 132-8		67
202	Acute lymphoblastic leukemia in adolescents and young adults in Finland. *Haematologica*, **2008**, 93, 116168	6	64

201	Deletion of 11q23 and cyclin D1 overexpression are frequent aberrations in parathyroid adenomas. *American Journal of Pathology*, **2001**, 158, 1355-62	5.8	64
200	Amplification of 17p11.2 approximately p12, including PMP22, TOP3A, and MAPK7, in high-grade osteosarcoma. *Cancer Genetics and Cytogenetics*, **2002**, 139, 91-6		62
199	Genome-wide differences between microsatellite stable and unstable colorectal tumors. *Carcinogenesis*, **2006**, 27, 419-28	4.6	61
198	Gene expression profiles in asbestos-exposed epithelial and mesothelial lung cell lines. *BMC Genomics*, **2007**, 8, 62	4.5	60
197	Overrepresentation of 1q21-23 and 12q13-21 in lipoma-like liposarcomas but not in benign lipomas: a comparative genomic hybridization study. *Cancer Genetics and Cytogenetics*, **1997**, 99, 14-8		59
196	Array comparative genomic hybridization analysis of chromosomal imbalances and their target genes in gastrointestinal stromal tumors. *Genes Chromosomes and Cancer*, **2007**, 46, 564-76	5	56
195	CDKN2A deletions in acute lymphoblastic leukemia of adolescents and young adults: an array CGH study. *Leukemia Research*, **2008**, 32, 1228-35	2.7	56
194	Comparative genomic hybridization analysis of chromosomal changes occurring during development of acquired resistance to cisplatin in human ovarian carcinoma cells. *Genes Chromosomes and Cancer*, **1997**, 18, 286-291	5	55
193	Integrated gene copy number and expression microarray analysis of gastric cancer highlights potential target genes. *International Journal of Cancer*, **2008**, 123, 817-25	7.5	55
192	Gene expression profiling of malignant mesothelioma cell lines: cDNA array study. *International Journal of Cancer*, **2001**, 91, 492-6	7.5	55
191	High-resolution deletion mapping of chromosome 14 in stromal tumors of the gastrointestinal tract suggests two distinct tumor suppressor loci **2000**, 27, 387-391		55
190	Identification of specific gene copy number changes in asbestos-related lung cancer. *Cancer Research*, **2006**, 66, 5737-43	10.1	52
189	Specificity, selection and significance of gene amplifications in cancer. *Seminars in Cancer Biology*, **2007**, 17, 42-55	12.7	51
188	Comparison of fluorescein isothiocyanate- and Texas red-conjugated nucleotides for direct labeling in comparative genomic hybridization **1998**, 31, 174-179		50
187	Positional cloning identifies a novel cyclophilin as a candidate amplified oncogene in 1q21. *Oncogene*, **2002**, 21, 2261-9	9.2	50
186	Causes and consequences of BCL2 overexpression in diffuse large B-cell lymphoma. *Leukemia and Lymphoma*, **2001**, 42, 1089-98	1.9	50
185	Caveolins as tumour markers in lung cancer detected by combined use of cDNA and tissue microarrays. *Journal of Pathology*, **2004**, 203, 584-93	9.4	47
184	Frequent loss of the 11q14-24 region in chronic lymphocytic leukemia: a study by comparative genomic hybridization. Tampere CLL Group. *Genes Chromosomes and Cancer*, **1997**, 19, 286-90	5	46

183	11q deletions in hematological malignancies. *Leukemia and Lymphoma*, **2001**, 40, 259-66	1.9	45
182	Restriction landmark genome scanning for aberrant methylation in primary refractory and relapsed acute myeloid leukemia; involvement of the WIT-1 gene. *Oncogene*, **1999**, 18, 3159-65	9.2	45
181	Manifestation, mechanisms and mysteries of gene amplifications. *Cancer Letters*, **2006**, 232, 79-89	9.9	43
180	Gains and losses of DNA sequences in malignant mesothelioma by comparative genomic hybridization. *Cancer Genetics and Cytogenetics*, **1996**, 89, 7-13		43
179	Cell lineage involvement of recurrent chromosomal abnormalities in hematologic neoplasms. *Genes Chromosomes and Cancer*, **1994**, 10, 95-102	5	43
178	Downregulation of Plasma MiR-142-3p and MiR-26a-5p in Patients With Colorectal Carcinoma. *Iranian Journal of Cancer Prevention*, **2015**, 8, e2329		43
177	Cell proliferation and chromosomal changes in human ameloblastoma. *Cancer Genetics and Cytogenetics*, **2002**, 136, 31-7		42
176	Targeted resequencing reveals ALK fusions in non-small cell lung carcinomas detected by FISH, immunohistochemistry, and real-time RT-PCR: a comparison of four methods. *BioMed Research International*, **2013**, 2013, 757490	3	41
175	Coamplified and overexpressed genes at ERBB2 locus in gastric cancer. *International Journal of Cancer*, **2004**, 109, 548-53	7.5	41
174	A broad amplification pattern at 3q in squamous cell lung cancer--a fluorescence in situ hybridization study. *Cancer Genetics and Cytogenetics*, **2000**, 117, 66-70		41
173	Fetal granulocytes in maternal venous blood detected by in situ hybridization. *Prenatal Diagnosis*, **1992**, 12, 993-1000	3.2	41
172	Genetic imbalances in 67 synovial sarcomas evaluated by comparative genomic hybridization. *Genes Chromosomes and Cancer*, **1998**, 23, 213-219	5	40
171	Unique microRNA profile in Dupuytren's contracture supports deregulation of Ecatenin pathway. *Modern Pathology*, **2010**, 23, 1544-52	9.8	39
170	DNA copy number profiling in esophageal Barrett adenocarcinoma: comparison with gastric adenocarcinoma and esophageal squamous cell carcinoma. *Cancer Genetics and Cytogenetics*, **2001**, 127, 53-8		38
169	Loss in 3p and 4p and gain of 3q are concomitant aberrations in squamous cell carcinoma of the vulva. *Modern Pathology*, **2001**, 14, 377-81	9.8	38
168	Clinical importance of genomic imbalances in synovial sarcoma evaluated by comparative genomic hybridization. *Cancer Genetics and Cytogenetics*, **1999**, 115, 39-46		38
167	Stool Microbiota Composition Differs in Patients with Stomach, Colon, and Rectal Neoplasms. *Digestive Diseases and Sciences*, **2018**, 63, 2950-2958	4	37
166	Gene copy number profiling of soft-tissue leiomyosarcomas by array-comparative genomic hybridization. *Cancer Genetics and Cytogenetics*, **2006**, 169, 94-101		37

165	Amplified, lost, and fused genes in 11q23-25 amplicon in acute myeloid leukemia, an array-CGH study. *Genes Chromosomes and Cancer*, **2006**, 45, 257-64	5	37
164	Malignant fibrous histiocytoma of bone: analysis of genomic imbalances by comparative genomic hybridisation and C-MYC expression by immunohistochemistry. *European Journal of Cancer*, **2006**, 42, 1172-80	7.5	37
163	Novel DNA copy number losses in chromosome 12q12--q13 in adenoid cystic carcinoma. *Neoplasia*, **2001**, 3, 173-8	6.4	37
162	Molecular characterization of deletion at 11q22.1-23.3 in mantle cell lymphoma. *British Journal of Haematology*, **1999**, 104, 665-71	4.5	37
161	Chromosome abnormalities in peripheral T-cell lymphoma. *British Journal of Haematology*, **1987**, 66, 451-60	4.9	37
160	DNA copy number changes in familial malignant mesothelioma. *Cancer Genetics and Cytogenetics*, **2001**, 127, 80-2		34
159	DNA copy number changes in Schistosoma-associated and non-Schistosoma-associated bladder cancer. *American Journal of Pathology*, **2000**, 156, 871-8	5.8	34
158	A cluster of familial malignant mesothelioma with del(9p) as the sole chromosomal anomaly. *Cancer Genetics and Cytogenetics*, **2002**, 138, 73-6		33
157	DNA copy number aberrations in intestinal-type gastric cancer revealed by array-based comparative genomic hybridization. *Cancer Genetics and Cytogenetics*, **2006**, 167, 150-4		32
156	Driver Gene and Novel Mutations in Asbestos-Exposed Lung Adenocarcinoma and Malignant Mesothelioma Detected by Exome Sequencing. *Lung*, **2016**, 194, 125-35	2.9	31
155	BCL2 overexpression in diffuse large B-cell lymphoma. *Leukemia and Lymphoma*, **1999**, 34, 45-52	1.9	31
154	Concomitant gastrin and ERBB2 gene amplifications at 17q12-q21 in the intestinal type of gastric cancer. *Genes Chromosomes and Cancer*, **1999**, 24, 24-9	5	31
153	MicroRNA expression profiles in Kaposi's sarcoma. *Pathology and Oncology Research*, **2014**, 20, 153-9	2.6	30
152	Molecular dissection of 17q12 amplicon in upper gastrointestinal adenocarcinomas. *Molecular Cancer Research*, **2006**, 4, 449-55	6.6	29
151	Down-regulation of miR-181c in imatinib-resistant chronic myeloid leukemia. *Molecular Cytogenetics*, **2013**, 6, 27	2	28
150	Chromosome instability is associated with hypodiploid clones in myelodysplastic syndromes. *Hereditas*, **1984**, 101, 19-30	2.4	28
149	Aberrations of chromosome 19 in asbestos-associated lung cancer and in asbestos-induced micronuclei of bronchial epithelial cells in vitro. *Carcinogenesis*, **2008**, 29, 913-7	4.6	28
148	Spindle cell tumours of the pleura: a clinical, histological and comparative genomic hybridization analysis of 14 cases. *Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin*, **2006**, 448, 135-41	5.1	28

147	Clinical significance of genetic imbalances revealed by comparative genomic hybridization in chondrosarcomas. *Human Pathology*, **1999**, 30, 1247-53	3.7	28
146	Evidence of somatic mutations in osteoarthritis. *Human Genetics*, **1996**, 98, 651-6	6.3	27
145	An integrated analysis of miRNA and gene copy numbers in xenografts of Ewing's sarcoma. *Journal of Experimental and Clinical Cancer Research*, **2012**, 31, 24	12.8	26
144	Molecular cytogenetic characterization of desmoid tumors. *Cancer Genetics and Cytogenetics*, **2003**, 146, 1-7		26
143	Differentiating soft tissue leiomyosarcoma and undifferentiated pleomorphic sarcoma: A miRNA analysis. *Genes Chromosomes and Cancer*, **2014**, 53, 693-702	5	25
142	Renal cell carcinoma with smooth muscle stroma lacks chromosome 3p and VHL alterations. *Modern Pathology*, **2014**, 27, 765-74	9.8	25
141	RB1 gene in Merkel cell carcinoma: hypermethylation in all tumors and concurrent heterozygous deletions in the polyomavirus-negative subgroup. *Apmis*, **2014**, 122, 1157-66	3.4	25
140	Focal 9p instability in hematologic neoplasias revealed by comparative genomic hybridization and single-nucleotide polymorphism microarray analyses. *Genes Chromosomes and Cancer*, **2010**, 49, 309-18	5	25
139	Two cases of an abnormal short arm of chromosome 8 (8p+) associated with mental retardation. *Clinical Genetics*, **1978**, 13, 237-40	4	25
138	Gain of chromosome 3 and loss of 13q are frequent alterations in pituitary adenomas. *Cancer Genetics and Cytogenetics*, **2001**, 128, 97-103		25
137	Among numerous DNA copy number changes, losses of chromosome 13 are highly recurrent in plasmacytoma **1999**, 25, 104-107		25
136	Decreased expression of fecal miR-4478 and miR-1295b-3p in early-stage colorectal cancer. *Cancer Biomarkers*, **2015**, 15, 189-95	3.8	24
135	Lineage specificity in haematological neoplasms. *British Journal of Haematology*, **1997**, 96, 2-11	4.5	24
134	Does comparative genomic hybridization reveal distinct differences in DNA copy number sequence patterns between leiomyosarcoma and malignant fibrous histiocytoma?. *Cancer Genetics and Cytogenetics*, **2008**, 187, 1-11		24
133	CanGEM: mining gene copy number changes in cancer. *Nucleic Acids Research*, **2008**, 36, D830-5	20.1	24
132	Chromosomal in situ suppression hybridization of immunologically classified mitotic cells in hematologic malignancies. *Genes Chromosomes and Cancer*, **1992**, 4, 135-40	5	24
131	Driver gene mutations of non-small-cell lung cancer are rare in primary carcinoids of the lung: NGS study by ion Torrent. *Lung*, **2015**, 193, 303-8	2.9	23
130	Increased sister chromatid exchange in megaloblastic anaemia-studies on bone marrow cells and lymphocytes. *Hereditas*, **1978**, 89, 175-81	2.4	23

129	Array comparative genomic hybridization identifies a distinct DNA copy number profile in renal cell cancer associated with hereditary leiomyomatosis and renal cell cancer. *Genes Chromosomes and Cancer*, **2009**, 48, 544-51	5	23
128	Classification of human cancers based on DNA copy number amplification modeling. *BMC Medical Genomics*, **2008**, 1, 15	3.7	23
127	FGF4 and INT2 oncogenes are amplified and expressed in Kaposi's sarcoma. *Modern Pathology*, **2000**, 13, 433-7	9.8	23
126	Characterization of the 17p amplicon in human sarcomas: microsatellite marker analysis. *International Journal of Cancer*, **1999**, 82, 329-33	7.5	23
125	Minimal residual disease after allogeneic bone marrow transplantation for chronic myeloid leukaemia: a metaphase-FISH study. *British Journal of Haematology*, **1996**, 92, 365-9	4.5	23
124	Dedifferentiated chondrosarcoma with t(9;22)(q34;q11-12). *Genes Chromosomes and Cancer*, **1994**, 9, 136-40	5	22
123	Flow cytometric analysis of the cell cycle in polyamine-depleted cells. *Cytometry*, **1994**, 16, 331-8		22
122	Hotspot mutations in polyomavirus positive and negative Merkel cell carcinomas. *Cancer Genetics*, **2016**, 209, 30-5	2.3	21
121	Clonal karyotype abnormalities in erythroid and granulocyte-monocyte precursors in polycythaemia vera and myelofibrosis. *Scandinavian Journal of Haematology*, **1983**, 31, 253-6		21
120	Bone-marrow chromosomes in healthy subjects. *Hereditas*, **1976**, 82, 29-35	2.4	21
119	Recurrent DNA copy number losses associated with metastasis of larynx carcinoma. *Genes Chromosomes and Cancer*, **1999**, 26, 253-7	5	20
118	miRNA-34a underexpressed in Merkel cell polyomavirus-negative Merkel cell carcinoma. *Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin*, **2015**, 466, 289-95	5.1	19
117	Simultaneous Underexpression of let-7a-5p and let-7f-5p microRNAs in Plasma and Stool Samples from Early Stage Colorectal Carcinoma. *Biomarkers in Cancer*, **2015**, 7, 39-48	7	19
116	Array comparative genomic hybridization reveals frequent alterations of G1/S checkpoint genes in undifferentiated pleomorphic sarcoma of bone. *Genes Chromosomes and Cancer*, **2011**, 50, 291-306	5	19
115	MicroRNA microarrays on archive bone marrow core biopsies of leukemias--method validation. *Leukemia Research*, **2011**, 35, 188-95	2.7	19
114	Chromosome band 1q21 is recurrently gained in desmoid tumors. *Genes Chromosomes and Cancer*, **1998**, 23, 183-6	5	19
113	DNA copy number changes in epithelioid sarcoma and its variants: a comparative genomic hybridization study. *Modern Pathology*, **2000**, 13, 1092-6	9.8	19
112	Validation of 34betaE12 immunoexpression in clear cell papillary renal cell carcinoma as a sensitive biomarker. *Pathology*, **2017**, 49, 10-18	1.6	18

111	Mitochondrial encephalomyopathy and retinoblastoma explained by compound heterozygosity of SUCLA2 point mutation and 13q14 deletion. *European Journal of Human Genetics*, **2015**, 23, 325-30	5.3	18
110	Digital Multiplex Ligation-Dependent Probe Amplification for Detection of Key Copy Number Alterations in T- and B-Cell Lymphoblastic Leukemia. *Journal of Molecular Diagnostics*, **2017**, 19, 659-672	5.1	18
109	Presence of cancer-associated mutations in exhaled breath condensates of healthy individuals by next generation sequencing. *Oncotarget*, **2017**, 8, 18166-18176	3.3	18
108	Cytogenetic study of 105 children with acute lymphoblastic leukemia. *European Journal of Haematology*, **1988**, 41, 237-42	3.8	18
107	Molecular alterations at 9q33.1 and polyploidy in asbestos-related lung cancer. *Clinical Cancer Research*, **2009**, 15, 468-75	12.9	18
106	miRNA expression profiles in myelodysplastic syndromes reveal Epstein-Barr virus miR-BART13 dysregulation. *Leukemia and Lymphoma*, **2011**, 52, 1567-73	1.9	18
105	Comparison of genetic changes in primary sarcomas and their pulmonary metastases **1999**, 25, 323-331		18
104	Metaphase fluorescence in situ hybridization (FISH) in the follow-up of 60 patients with haemopoietic malignancies. *British Journal of Haematology*, **1994**, 88, 778-83	4.5	18
103	Hot spot mutations in Finnish non-small cell lung cancers. *Lung Cancer*, **2016**, 99, 102-10	5.9	17
102	Targeted resequencing of 9p in acute lymphoblastic leukemia yields concordant results with array CGH and reveals novel genomic alterations. *Genomics*, **2013**, 102, 182-8	4.3	17
101	Epidermal growth factor receptor mutations in 510 Finnish non--small-cell lung cancer patients. *Journal of Thoracic Oncology*, **2014**, 9, 886-91	8.9	17
100	Trisomy 7 in non-neoplastic tubular epithelial cells of the kidney. *Human Genetics*, **1995**, 95, 149-56	6.3	17
99	A human follicular lymphoma B cell line hypermutates its functional immunoglobulin genes in vitro. *European Journal of Immunology*, **1995**, 25, 3263-9	6.1	17
98	Molecular cytogenetic study of patients with Pallister-Killian syndrome. *Human Genetics*, **1993**, 91, 121-7	6.3	17
97	Wide spetcrum mutational analysis of metastatic renal cell cancer: a retrospective next generation sequencing approach. *Oncotarget*, **2017**, 8, 7328-7335	3.3	16
96	Duchenne-like muscular dystrophy in two sisters with normal karyotypes: evidence for autosomal recessive inheritance. *Clinical Genetics*, **1985**, 28, 151-6	4	16
95	Single nucleotide polymorphism microarray analysis of karyotypically normal acute myeloid leukemia reveals frequent copy number neutral loss of heterozygosity. *Haematologica*, **2008**, 93, 631-2	6.6	16
94	Copy number gains on 5p15, 6p11-q11, 7p12, and 8q24 are rare in sputum cells of individuals at high risk of lung cancer. *Lung Cancer*, **2006**, 54, 169-76	5.9	16

93	Recurrent DNA sequence copy losses on chromosomal arm 6q in capillary hemangioblastoma. *Cancer Genetics and Cytogenetics*, **2002**, 133, 174-8		16
92	Comparative genomic hybridization and conventional cytogenetic analyses in childhood acute myeloid leukemia. *Leukemia and Lymphoma*, **1999**, 35, 311-5	1.9	16
91	Aberrant expression of ALK and EZH2 in Merkel cell carcinoma. *BMC Cancer*, **2017**, 17, 236	4.8	15
90	Chromosomal effects of sodium selenite in vivo. *Hereditas*, **2009**, 93, 101-105	2.4	15
89	Complex chromosomal aberrations in chronic lymphocytic leukemia are associated with cellular drug and irradiation resistance. *European Journal of Haematology*, **2000**, 65, 32-9	3.8	15
88	PPP2R1B gene in chronic lymphocytic leukemias and mantle cell lymphomas. *Leukemia and Lymphoma*, **2001**, 41, 177-83	1.9	15
87	Exhaled breath condensate as a source of biomarkers for lung carcinomas. A focus on genetic and epigenetic markers-A mini-review. *Genes Chromosomes and Cancer*, **2016**, 55, 905-914	5	15
86	Frequent deletion of CDKN2A and recurrent coamplification of KIT, PDGFRA, and KDR in fibrosarcoma of bone--an array comparative genomic hybridization study. *Genes Chromosomes and Cancer*, **2010**, 49, 132-43	5	14
85	Mitotic cells in different lymphocyte subsets in unfractionated cultures stimulated by phytohaemagglutinin or pokeweed mitogen. *Hereditas*, **1989**, 110, 69-74	2.4	14
84	Genomic imbalances in Schistosoma-associated and non-Schistosoma-associated bladder carcinoma. An array comparative genomic hybridization analysis. *Cancer Genetics and Cytogenetics*, **2007**, 177, 16-9		14
83	Can bladder adenocarcinomas be distinguished from schistosomiasis-associated bladder cancers by using array comparative genomic hybridization analysis?. *Cancer Genetics and Cytogenetics*, **2007**, 177, 153-7		14
82	Characterizing genetically stable and unstable gastric cancers by microsatellites and array comparative genomic hybridization. *Cancer Genetics and Cytogenetics*, **2006**, 170, 133-9		14
81	Mutated ephrin receptor genes in non-small cell lung carcinoma and their occurrence with driver mutations-targeted resequencing study on formalin-fixed, paraffin-embedded tumor material of 81 patients. *Genes Chromosomes and Cancer*, **2013**, 52, 1141-9	5	13
80	Copy number alterations and neoplasia-specific mutations in MELK, PDCD1LG2, TLN1, and PAX5 at 9p in different neoplasias. *Genes Chromosomes and Cancer*, **2014**, 53, 579-88	5	13
79	ALK fusion and its association with other driver gene mutations in Finnish non-small cell lung cancer patients. *Genes Chromosomes and Cancer*, **2014**, 53, 895-901	5	13
78	Chromosomal effects of sodium selenite in vivo. *Hereditas*, **2009**, 93, 93-96	2.4	13
77	Restoring mismatch repair does not stop the formation of reciprocal translocations in the colon cancer cell line HCA7 but further destabilizes chromosome number. *Oncogene*, **2005**, 24, 706-13	9.2	13
76	Do DNA copy number changes differentiate uterine from non-uterine leiomyosarcomas and predict metastasis?. *Modern Pathology*, **2006**, 19, 1068-82	9.8	13

75	Cytogenetics and molecular pathology in cancer diagnostics. *Annals of Medicine*, **2004**, 36, 162-71	1.5	13
74	Abnormalities of chromosomes 7 and 22 in human malignant pleural mesothelioma: correlation between Southern blot and cytogenetic analyses. *Genes Chromosomes and Cancer*, **1992**, 4, 176-82	5	13
73	The Role of Chromosomal Instability and Epigenetics in Colorectal Cancers Lacking Catenin/TCF Regulated Transcription. *Gastroenterology Research and Practice*, **2016**, 2016, 6089658	2	13
72	Hotspot Mutations Detectable by Next-generation Sequencing in Exhaled Breath Condensates from Patients with Lung Cancer. *Anticancer Research*, **2018**, 38, 5627-5634	2.3	13
71	The hypermethylation of the O6-methylguanine-DNA methyltransferase gene promoter in gliomas--correlation with array comparative genome hybridization results and IDH1 mutation. *Genes Chromosomes and Cancer*, **2012**, 51, 20-9	5	12
70	Acute erythroleukaemia with L3 morphology and the 14q+ chromosome. *Scandinavian Journal of Haematology*, **1982**, 29, 75-82		12
69	Maternal origin of transferrin receptor positive cells in venous blood of pregnant women. *Clinical Genetics*, **1996**, 49, 196-9	4	12
68	A duplication within the critical fertility region of X chromosome in a mentally retarded woman with normal menarche. *Hereditas*, **1984**, 101, 253-5	2.4	12
67	Helicobacter pylori infection activates FOS and stress-response genes and alters expression of genes in gastric cancer-specific loci. *Genes Chromosomes and Cancer*, **2004**, 40, 334-41	5	12
66	DNA copy number changes in lung adenocarcinoma in younger patients. *Modern Pathology*, **2002**, 15, 372-8	9.8	12
65	Genetic alterations in periprosthetic soft-tissue masses from patients with metal-on-metal hip replacement. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2015**, 781, 1-6	3.3	11
64	Chromosomal effects of sodium selenite in vivo. *Hereditas*, **2009**, 93, 97-99	2.4	11
63	A chromosome survey of 1062 mentally retarded patients. Evaluation of a long-term study at the Rinnekoti institution, Finland. *Hereditas*, **1980**, 92, 223-8	2.4	11
62	DNA copy number amplifications in sarcomas with homogeneously staining regions and double minutes. *Cytometry*, **2001**, 46, 79-84		11
61	DNA methylation changes and somatic mutations as tumorigenic events in Lynch syndrome-associated adenomas retaining mismatch repair protein expression. *EBioMedicine*, **2019**, 39, 280-291	8.8	11
60	True 3q chromosomal amplification in squamous cell lung carcinoma by FISH and aCGH molecular analysis: impact on targeted drugs. *PLoS ONE*, **2012**, 7, e49689	3.7	10
59	Translocation (2;11) (p21;q23) in acute non-lymphocytic leukaemia: a non-random association. *Scandinavian Journal of Haematology*, **1986**, 45, 91-7		10
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