Jeremy A. Squire

List of Publications by Citations

356 papers	32,874 citations	77 h-index	172 g-index
393 ext. papers	35,588 ext. citations	6.8 avg, IF	6.6 L-index

#	Paper	IF	Citations
356	Identification of human brain tumour initiating cells. *Nature*, **2004**, 432, 396-401	50.4	5869
355	Identification of a cancer stem cell in human brain tumors. *Cancer Research*, **2003**, 63, 5821-8	10.1	3368
354	Erlotinib in lung cancer - molecular and clinical predictors of outcome. *New England Journal of Medicine*, **2005**, 353, 133-44	59.2	1594
353	Glioma stem cell lines expanded in adherent culture have tumor-specific phenotypes and are suitable for chemical and genetic screens. *Cell Stem Cell*, **2009**, 4, 568-80	18	719
352	Mutations in SUFU predispose to medulloblastoma. *Nature Genetics*, **2002**, 31, 306-10	36.3	636
351	Molecular testing guideline for selection of lung cancer patients for EGFR and ALK tyrosine kinase inhibitors: guideline from the College of American Pathologists, International Association for the Study of Lung Cancer, and Association for Molecular Pathology. *Journal of Thoracic Oncology*, **2013**, 8, 823-59	8.9	632
350	Role of KRAS and EGFR as biomarkers of response to erlotinib in National Cancer Institute of Canada Clinical Trials Group Study BR.21. *Journal of Clinical Oncology*, **2008**, 26, 4268-75	2.2	600
349	Metabolic instability of plasmid DNA in the cytosol: a potential barrier to gene transfer. *Gene Therapy*, **1999**, 6, 482-97	4	516
348	High-resolution mapping of mammalian genes by in situ hybridization to free chromatin. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 9509-13	11.5	481
347	Disruption of insulin-like growth factor 2 imprinting in Beckwith-Wiedemann syndrome. *Nature Genetics*, **1993**, 5, 143-50	36.3	385
346	Molecular testing guideline for selection of lung cancer patients for EGFR and ALK tyrosine kinase inhibitors: guideline from the College of American Pathologists, International Association for the Study of Lung Cancer, and Association for Molecular Pathology. *Archives of Pathology and*	5	365
345	Molecular testing guideline for selection of lung cancer patients for EGFR and ALK tyrosine kinase inhibitors: guideline from the College of American Pathologists, International Association for the Study of Lung Cancer, and Association for Molecular Pathology. *Journal of Molecular Diagnostics*, **2013**, 15, 415-53	5.1	340
344	TAp73 knockout shows genomic instability with infertility and tumor suppressor functions. *Genes and Development*, **2008**, 22, 2677-91	12.6	330
343	Genetic origin of mutations predisposing to retinoblastoma. *Science*, **1985**, 228, 501-3	33.3	321
342	Immortal human pancreatic duct epithelial cell lines with near normal genotype and phenotype. *American Journal of Pathology*, **2000**, 157, 1623-31	5.8	261
341	EMT transcription factors snail and slug directly contribute to cisplatin resistance in ovarian cancer. *BMC Cancer*, **2012**, 12, 91	4.8	258
340	Discordant KCNQ1OT1 imprinting in sets of monozygotic twins discordant for Beckwith-Wiedemann syndrome. *Human Molecular Genetics*, **2002**, 11, 1317-25	5.6	258

339	Single cell-derived clonal analysis of human glioblastoma links functional and genomic heterogeneity. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 851-6	11.5	251
338	Fusion of two novel genes, RBM15 and MKL1, in the t(1;22)(p13;q13) of acute megakaryoblastic leukemia. *Nature Genetics*, **2001**, 28, 220-1	36.3	237
337	FISH analysis of 107 prostate cancers shows that PTEN genomic deletion is associated with poor clinical outcome. *British Journal of Cancer*, **2007**, 97, 678-85	8.7	236
336	Absence of TMPRSS2:ERG fusions and PTEN losses in prostate cancer is associated with a favorable outcome. *Modern Pathology*, **2008**, 21, 1451-60	9.8	235
335	Clinical implications of PTEN loss in prostate cancer. *Nature Reviews Urology*, **2018**, 15, 222-234	5.5	230
334	Loss of RB1 induces non-proliferative retinoma: increasing genomic instability correlates with progression to retinoblastoma. *Human Molecular Genetics*, **2008**, 17, 1363-72	5.6	220
333	Tumour genomic and microenvironmental heterogeneity for integrated prediction of 5-year biochemical recurrence of prostate cancer: a retrospective cohort study. *Lancet Oncology, The*, **2014**, 15, 1521-1532	21.7	218
332	The role of Alu repeat clusters as mediators of recurrent chromosomal aberrations in tumors. *Genes Chromosomes and Cancer*, **2002**, 35, 97-112	5	211
331	A radically different mechanism for S-adenosylmethionine-dependent methyltransferases. *Science*, **2011**, 332, 604-7	33.3	203
330	Beckwith-Wiedemann syndrome demonstrates a role for epigenetic control of normal development. *Human Molecular Genetics*, **2003**, 12 Spec No 1, R61-8	5.6	203
329	Tumor development in the Beckwith-Wiedemann syndrome is associated with a variety of constitutional molecular 11p15 alterations including imprinting defects of KCNQ1OT1. *Human Molecular Genetics*, **2001**, 10, 2989-3000	5.6	197
328	Somatic inactivation of genes on chromosome 13 is a common event in retinoblastoma. *Nature*, **1983**, 304, 451-3	50.4	195
327	Cause and consequences of genetic and epigenetic alterations in human cancer. *Current Genomics*, **2008**, 9, 394-408	2.6	184
326	Primary chromosomal rearrangements of leukemia are frequently accompanied by extensive submicroscopic deletions and may lead to altered prognosis. *Blood*, **2001**, 97, 3581-8	2.2	179
325	PTEN genomic deletion is associated with p-Akt and AR signalling in poorer outcome, hormone refractory prostate cancer. *Journal of Pathology*, **2009**, 218, 505-13	9.4	175
324	Lats2/Kpm is required for embryonic development, proliferation control and genomic integrity. *EMBO Journal*, **2004**, 23, 3677-88	13	164
323	Three-color FISH analysis of TMPRSS2/ERG fusions in prostate cancer indicates that genomic microdeletion of chromosome 21 is associated with rearrangement. *Neoplasia*, **2006**, 8, 465-9	6.4	149
322	Interphase FISH analysis of PTEN in histologic sections shows genomic deletions in 68% of primary prostate cancer and 23% of high-grade prostatic intra-epithelial neoplasias. *Cancer Genetics and Cytogenetics*, **2006**, 169, 128-37		139

321	The genetics of osteosarcoma. *Sarcoma*, **2012**, 2012, 627254	3.1	137
320	High-resolution mapping of amplifications and deletions in pediatric osteosarcoma by use of CGH analysis of cDNA microarrays. *Genes Chromosomes and Cancer*, **2003**, 38, 215-25	5	135
319	Extracellular Vesicles: Evolving Factors in Stem Cell Biology. *Stem Cells International*, **2016**, 2016, 1073140	5	129
318	Molecular predictors of outcome in a phase 3 study of gemcitabine and erlotinib therapy in patients with advanced pancreatic cancer: National Cancer Institute of Canada Clinical Trials Group Study PA.3. *Cancer*, **2010**, 116, 5599-607	6.4	127
317	PTEN loss is associated with upgrading of prostate cancer from biopsy to radical prostatectomy. *Modern Pathology*, **2015**, 28, 128-137	9.8	121
316	Application of Microarrays to the Analysis of Gene Expression in Cancer. *Clinical Chemistry*, **2002**, 48, 1170-1177	5.5	116
315	A detailed analysis of chromosomal changes in heritable and non-heritable retinoblastoma. *Human Genetics*, **1985**, 70, 291-301	6.3	115
314	Analysis of miRNA-gene expression-genomic profiles reveals complex mechanisms of microRNA deregulation in osteosarcoma. *Cancer Genetics*, **2011**, 204, 138-46	2.3	112
313	Molecular cytogenetic analysis of medulloblastomas and supratentorial primitive neuroectodermal tumors by using conventional banding, comparative genomic hybridization, and spectral karyotyping. *Journal of Neurosurgery*, **2000**, 93, 437-48	3.2	112
312	Molecular genetics of Wiedemann-Beckwith syndrome **1998**, 79, 253-259		105
311	GPC3 mutation analysis in a spectrum of patients with overgrowth expands the phenotype of Simpson-Golabi-Behmel syndrome. *American Journal of Medical Genetics Part A*, **2001**, 102, 161-8		104
310	Genomic mechanisms and measurement of structural and numerical instability in cancer cells. *Seminars in Cancer Biology*, **2007**, 17, 5-18	12.7	101
309	Spectral karyotyping identifies recurrent complex rearrangements of chromosomes 8, 17, and 20 in osteosarcomas. *Genes Chromosomes and Cancer*, **2003**, 36, 7-16	5	101
308	Identification of interactive networks of gene expression associated with osteosarcoma oncogenesis by integrated molecular profiling. *Human Molecular Genetics*, **2009**, 18, 1962-75	5.6	100
307	Defective DNA strand break repair after DNA damage in prostate cancer cells: implications for genetic instability and prostate cancer progression. *Cancer Research*, **2004**, 64, 8526-33	10.1	99
306	An orthotopic metastatic prostate cancer model in SCID mice via grafting of a transplantable human prostate tumor line. *Laboratory Investigation*, **2005**, 85, 1392-404	5.9	95
305	Molecular cytogenetic analysis of non-small cell lung carcinoma by spectral karyotyping and comparative genomic hybridization. *Cancer Genetics and Cytogenetics*, **2001**, 125, 87-99		95
304	Establishment in severe combined immunodeficiency mice of subrenal capsule xenografts and transplantable tumor lines from a variety of primary human lung cancers: potential models for studying tumor progression-related changes. *Clinical Cancer Research*, **2006**, 12, 4043-54	12.9	94

303	Malignant transformation in a ganglioglioma with anaplastic neuronal and astrocytic components. Report of a case with flow cytometric and cytogenetic analysis. *Cancer*, **1994**, 73, 2862-8	6.4	94
302	Expression analysis of genes associated with human osteosarcoma tumors shows correlation of RUNX2 overexpression with poor response to chemotherapy. *BMC Cancer*, **2010**, 10, 202	4.8	93
301	The Role of RUNX2 in Osteosarcoma Oncogenesis. *Sarcoma*, **2011**, 2011, 282745	3.1	91
300	Copy number alterations of c-MYC and PTEN are prognostic factors for relapse after prostate cancer radiotherapy. *Cancer*, **2012**, 118, 4053-62	6.4	90
299	Analysis of genomic integrity and p53-dependent G1 checkpoint in telomerase-induced extended-life-span human fibroblasts. *Molecular and Cellular Biology*, **1999**, 19, 2373-9	4.8	90
298	Developmental basis of retinal-specific induction of cancer by RB mutation. *Cancer Research*, **1999**, 59, 1731s-1735s	10.1	90
297	PTEN genomic deletion is an early event associated with ERG gene rearrangements in prostate cancer. *BJU International*, **2011**, 107, 477-85	5.6	88
296	MYCN gene amplification in rhabdomyosarcoma. *Cancer*, **1994**, 73, 2231-7	6.4	86
295	Chromosomal localization of DNA amplifications in neuroblastoma tumors using cDNA microarray comparative genomic hybridization. *Neoplasia*, **2003**, 5, 53-62	6.4	84
294	Amplification of a DEAD box protein gene in retinoblastoma cell lines. *Proceedings of the National Academy of Sciences of the United States of America*, **1993**, 90, 7578-82	11.5	84
293	Predictive and pharmacodynamic biomarker studies in tumor and skin tissue samples of patients with recurrent or metastatic squamous cell carcinoma of the head and neck treated with erlotinib. *Journal of Clinical Oncology*, **2007**, 25, 2184-90	2.2	83
292	Isochromosome 6p, a unique chromosomal abnormality in retinoblastoma: verification by standard staining techniques, new densitometric methods, and somatic cell hybridization. *Human Genetics*, **1984**, 66, 46-53	6.3	83
291	Parallel analysis of sporadic primary ovarian carcinomas by spectral karyotyping, comparative genomic hybridization, and expression microarrays. *Cancer Research*, **2002**, 62, 3466-76	10.1	83
290	MicroRNA-34c inversely couples the biological functions of the runt-related transcription factor RUNX2 and the tumor suppressor p53 in osteosarcoma. *Journal of Biological Chemistry*, **2013**, 288, 21307-21319	5.4	82
289	Minimal regions of chromosomal imbalance in retinoblastoma detected by comparative genomic hybridization. *Cancer Genetics and Cytogenetics*, **2001**, 129, 57-63		82
288	Detailed cytogenetic and array analysis of pediatric primitive sarcomas reveals a recurrent CIC-DUX4 fusion gene event. *Cancer Genetics and Cytogenetics*, **2009**, 195, 1-11		81
287	Profiling genomic copy number changes in retinoblastoma beyond loss of RB1. *Genes Chromosomes and Cancer*, **2007**, 46, 118-29	5	80
286	Mechanisms of loss of heterozygosity in retinoblastoma. *Cytogenetic and Genome Research*, **1992**, 59, 248-52	1.9	80

285	Phase II study of temsirolimus (CCI-779) in women with recurrent, unresectable, locally advanced or metastatic carcinoma of the cervix. A trial of the NCIC Clinical Trials Group (NCIC CTG IND 199). *Gynecologic Oncology*, **2013**, 130, 269-74	4.9	79
284	Plk4 is required for cytokinesis and maintenance of chromosomal stability. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 6888-93	11.5	79
283	Fusion of the ets Transcription Factor TEL to Jak2 Results in Constitutive Jak-Stat Signaling. *Blood*, **1999**, 93, 4354-4364	2.2	79
282	SINGLE CELL DERIVED CLONAL ANALYSIS OF HUMAN GLIOBLASTOMA LINKS FUNCTIONAL AND GENOMIC HETEROGENEITY. *Neuro-Oncology*, **2014**, 16, iii14-iii14	1	78
281	Effects of THBS3, SPARC and SPP1 expression on biological behavior and survival in patients with osteosarcoma. *BMC Cancer*, **2006**, 6, 237	4.8	78
280	Prkar1a is an osteosarcoma tumor suppressor that defines a molecular subclass in mice. *Journal of Clinical Investigation*, **2010**, 120, 3310-25	15.9	78
279	Identification of the IGF1/PI3K/NF ΒB/ERK gene signalling networks associated with chemotherapy resistance and treatment response in high-grade serous epithelial ovarian cancer. *BMC Cancer*, **2013**, 13, 549	4.8	77
278	Phase II study of preoperative gefitinib in clinical stage I non-small-cell lung cancer. *Journal of Clinical Oncology*, **2009**, 27, 6229-36	2.2	77
277	A method for accurate detection of genomic microdeletions using real-time quantitative PCR. *BMC Genomics*, **2005**, 6, 180	4.5	77
276	Prognostic impact of chromosomal aberrations in Ewing tumours. *British Journal of Cancer*, **2002**, 86, 1763-9	8.7	77
275	Cytosolic phospholipase A2 gene in human and rat: chromosomal localization and polymorphic markers. *Genomics*, **1995**, 26, 138-41	4.3	77
274	Multilevel whole-genome analysis reveals candidate biomarkers in clear cell renal cell carcinoma. *Cancer Research*, **2012**, 72, 5273-84	10.1	76
273	Molecular cytogenetic analysis of head and neck squamous cell carcinoma: By comparative genomic hybridization, spectral karyotyping, and expression array analysis. *Head and Neck*, **2002**, 24, 874-87	4.2	76
272	Molecular genetics of supratentorial primitive neuroectodermal tumors and pineoblastoma. *Neurosurgical Focus*, **2005**, 19, E3	4.2	76
271	Morphological and cytogenetic analysis of human giant oocytes and giant embryos. *Human Reproduction*, **2002**, 17, 2394-401	5.7	76
270	Is the EWS/FLI-1 fusion transcript specific for Ewing sarcoma and peripheral primitive neuroectodermal tumor? A report of four cases showing this transcript in a wider range of tumor types. *American Journal of Pathology*, **1996**, 148, 1125-38	5.8	76
269	The use of whole genome amplification in the study of human disease. *Progress in Biophysics and Molecular Biology*, **2005**, 88, 173-89	4.7	75
268	Amplification of telomerase (hTERT) gene is a poor prognostic marker in non-small-cell lung cancer. *British Journal of Cancer*, **2006**, 94, 1452-9	8.7	74

267	ASAP1, a gene at 8q24, is associated with prostate cancer metastasis. *Cancer Research*, **2008**, 68, 4352-9	10.1	73
266	High-resolution array CGH identifies novel regions of genomic alteration in intermediate-risk prostate cancer. *Prostate*, **2009**, 69, 1091-100	4.2	71
265	Direct profiling of cancer biomarkers in tumor tissue using a multiplexed nanostructured microelectrode integrated circuit. *ACS Nano*, **2009**, 3, 3207-13	16.7	71
264	Chromosome 6p amplification and cancer progression. *Journal of Clinical Pathology*, **2007**, 60, 1-7	3.9	70
263	Co-amplification of MYCN and a DEAD box gene (DDX1) in primary neuroblastoma. *Oncogene*, **1995**, 10, 1417-22	9.2	70
262	The human UDP-N-acetylglucosamine: alpha-6-D-mannoside-beta-1,2-N-acetylglucosaminyltransferase II gene (MGAT2). Cloning of genomic DNA, localization to chromosome 14q21, expression in insect cells and purification of the recombinant protein. *FEBS Journal*, **1995**, 231, 347-28		70
261	FISH assay development for the detection of p16/CDKN2A deletion in malignant pleural mesothelioma. *Journal of Clinical Pathology*, **2010**, 63, 630-4	3.9	69
260	The RAG-1/2 endonuclease causes genomic instability and controls CNS complications of lymphoblastic leukemia in p53/Prkdc-deficient mice. *Cancer Cell*, **2003**, 3, 37-50	24.3	69
259	Brca1 required for T cell lineage development but not TCR loci rearrangement. *Nature Immunology*, **2000**, 1, 77-82	19.1	69
258	High-resolution mapping of genomic imbalance and identification of gene expression profiles associated with differential chemotherapy response in serous epithelial ovarian cancer. *Neoplasia*, **2005**, 7, 603-13	6.4	68
257	Tumour induction by the retinoblastoma mutation is independent of N-myc expression. *Nature*, **1986**, 322, 555-7	50.4	68
256	Evidence of multifocality of telomere erosion in high-grade prostatic intraepithelial neoplasia (HPIN) and concurrent carcinoma. *Oncogene*, **2003**, 22, 1978-87	9.2	67
255	In vitro analysis of integrated global high-resolution DNA methylation profiling with genomic imbalance and gene expression in osteosarcoma. *PLoS ONE*, **2008**, 3, e2834	3.7	66
254	Infrequent genomic rearrangement and normal expression of the putative RB1 gene in retinoblastoma tumors. *Molecular and Cellular Biology*, **1988**, 8, 2082-8	4.8	66
253	Phase II study of PX-866 in recurrent glioblastoma. *Neuro-Oncology*, **2015**, 17, 1270-4	1	63
252	Chromosomal instability in osteosarcoma and its association with centrosome abnormalities. *Cancer Genetics and Cytogenetics*, **2003**, 144, 91-9		63
251	PTEN losses exhibit heterogeneity in multifocal prostatic adenocarcinoma and are associated with higher Gleason grade. *Modern Pathology*, **2013**, 26, 435-47	9.8	62
250	Genomic signatures of chromosomal instability and osteosarcoma progression detected by high resolution array CGH and interphase FISH. *Cytogenetic and Genome Research*, **2008**, 122, 5-15	1.9	62

249	A role for Brca1 in chromosome end maintenance. *Human Molecular Genetics*, **2006**, 15, 831-8	5.6	62
248	Comparative genomic hybridization analysis identifies gains of 1p35 approximately p36 and chromosome 19 in osteosarcoma. *Cancer Genetics and Cytogenetics*, **2001**, 130, 14-21		62
247	The role of telomere maintenance in the spontaneous growth arrest of pediatric low-grade gliomas. *Neoplasia*, **2006**, 8, 136-42	6.4	61
246	Analytic validation of a clinical-grade PTEN immunohistochemistry assay in prostate cancer by comparison with PTEN FISH. *Modern Pathology*, **2016**, 29, 904-14	9.8	61
245	Constitutional UPD for chromosome 11p15 in individuals with isolated hemihyperplasia is associated with high tumor risk and occurs following assisted reproductive technologies. *American Journal of Medical Genetics, Part A*, **2006**, 140, 1497-503	2.5	60
244	Inactivation of 14-3-3sigma influences telomere behavior and ionizing radiation-induced chromosomal instability. *Molecular and Cellular Biology*, **2000**, 20, 7764-72	4.8	60
243	Recurrent anomalies of 6q25 in chondromyxoid fibroma. *Human Pathology*, **2000**, 31, 306-11	3.7	60
242	Cloning of the esterase D gene: a polymorphic gene probe closely linked to the retinoblastoma locus on chromosome 13. *Proceedings of the National Academy of Sciences of the United States of America*, **1986**, 83, 6573-7	11.5	60
241	Application of comparative genomic hybridization, spectral karyotyping, and microarray analysis in the identification of subtype-specific patterns of genomic changes in rhabdomyosarcoma. *Neoplasia*, **1999**, 1, 262-75	6.4	59
240	Characterization of human hepatocyte lines derived from normal liver tissue. *Hepatology*, **1994**, 19, 1390-1399	11.9	59
239	Cfr and RlmN contain a single [4Fe-4S] cluster, which directs two distinct reactivities for S-adenosylmethionine: methyl transfer by SN2 displacement and radical generation. *Journal of the American Chemical Society*, **2011**, 133, 19586-9	16.4	57
238	Malignant myeloid transformation with isochromosome 7q in Shwachman-Diamond syndrome. *Leukemia*, **1998**, 12, 1591-5	10.7	57
237	Murine Pif1 interacts with telomerase and is dispensable for telomere function in vivo. *Molecular and Cellular Biology*, **2007**, 27, 1017-26	4.8	57
236	Recurrent copy number alterations in prostate cancer: an in silico meta-analysis of publicly available genomic data. *Cancer Genetics*, **2014**, 207, 474-88	2.3	56
235	PTEN deletion and heme oxygenase-1 overexpression cooperate in prostate cancer progression and are associated with adverse clinical outcome. *Journal of Pathology*, **2011**, 224, 90-100	9.4	55
234	Collaboration of Brca1 and Chk2 in tumorigenesis. *Genes and Development*, **2004**, 18, 1144-53	12.6	54
233	Loss of imprinting of human insulin-like growth factor II gene, IGF2, in acute myeloid leukemia. *Biochemical and Biophysical Research Communications*, **1997**, 231, 466-72	3.4	53
232	Imprinting status of 11p15 genes in Beckwith-Wiedemann syndrome patients with CDKN1C mutations. *Genomics*, **2001**, 74, 370-6	4.3	53

231	Development of resistance to vincristine and doxorubicin in neuroblastoma alters malignant properties and induces additional karyotype changes: a preclinical model. *International Journal of Cancer*, **2003**, 104, 36-43	7.5	52
230	Renal abnormalities in beckwith-wiedemann syndrome are associated with 11p15.5 uniparental disomy. *Journal of the American Society of Nephrology: JASN*, **2002**, 13, 2077-84	12.7	52
229	A hematopoietic protein tyrosine phosphatase (HePTP) gene that is amplified and overexpressed in myeloid malignancies maps to chromosome 1q32.1. *Leukemia*, **1994**, 8, 236-44	10.7	52
228	Role of Pirh2 in mediating the regulation of p53 and c-Myc. *PLoS Genetics*, **2011**, 7, e1002360	6	51
227	Measles virus replication in lymphatic cells and organs of CD150 (SLAM) transgenic mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 16415-20	11.5	51
226	Acquisition of secondary structural chromosomal changes in pediatric ewing sarcoma is a probable prognostic factor for tumor response and clinical outcome. *Cancer*, **2001**, 91, 2156-64	6.4	51
225	An integrated mBAND and submegabase resolution tiling set (SMRT) CGH array analysis of focal amplification, microdeletions, and ladder structures consistent with breakage-fusion-bridge cycle events in osteosarcoma. *Genes Chromosomes and Cancer*, **2005**, 42, 392-403	5	49
224	Applications of SKY in cancer cytogenetics. *Cancer Investigation*, **2002**, 20, 373-86	2.1	49
223	Recurrent RECQL4 imbalance and increased gene expression levels are associated with structural chromosomal instability in sporadic osteosarcoma. *Neoplasia*, **2009**, 11, 260-8, 3p following 268	6.4	48
222	Relaxation of imprinting of human insulin-like growth factor II gene, IGF2, in sporadic breast carcinomas. *Biochemical and Biophysical Research Communications*, **1997**, 235, 123-9	3.4	48
221	Advances in the detection of chromosomal aberrations using spectral karyotyping. *Clinical Genetics*, **2001**, 59, 65-73	4	48
220	Comparative genomic hybridization analysis detects frequent over-representation of DNA sequences at 3q, 7p, and 8q in head and neck carcinomas. *Cancer Genetics and Cytogenetics*, **2000**, 119, 48-55		48
219	A multicenter study shows PTEN deletion is strongly associated with seminal vesicle involvement and extracapsular extension in localized prostate cancer. *Prostate*, **2015**, 75, 1206-15	4.2	47
218	Identification of a novel gene NCRMS on chromosome 12q21 with differential expression between rhabdomyosarcoma subtypes. *Oncogene*, **2002**, 21, 3029-37	9.2	47
217	Extracellular vesicles in ovarian cancer: applications to tumor biology, immunotherapy and biomarker discovery. *Expert Review of Proteomics*, **2016**, 13, 395-409	4.2	46
216	Molecular biology of Beckwith-Wiedemann syndrome. *Medical and Pediatric Oncology*, **1996**, 27, 462-9		46
215	Molecular genetic, cytogenetic, and immunohistochemical characterization of alveolar soft-part sarcoma. Implications for cell of origin. *Cancer*, **1992**, 70, 2444-50	6.4	46
214	The mammalian target of rapamycin pathway is widely activated without PTEN deletion in renal cell carcinoma metastases. *Cancer*, **2011**, 117, 290-300	6.4	45

213	Decitabine-induced demethylation of 5' CpG island in GADD45A leads to apoptosis in osteosarcoma cells. *Neoplasia*, **2008**, 10, 471-80	6.4	45
212	Structural characterization and mapping of the normal epithelial cell-specific 1 gene. *Biochemical and Biophysical Research Communications*, **1998**, 247, 580-6	3.4	45
211	Clonal heterogeneity of dendritic cells derived from patients with chronic myeloid leukemia and enhancement of their T-cells stimulatory activity by IFN-alpha. *Experimental Hematology*, **1999**, 27, 1176-84	3.1	45
210	A distinct pre-existing inflammatory tumour microenvironment is associated with chemotherapy resistance in high-grade serous epithelial ovarian cancer. *British Journal of Cancer*, **2015**, 112, 1215-22	8.7	44
209	Interactions and relationships of PTEN, ERG, SPINK1 and AR in castration-resistant prostate cancer. *Histopathology*, **2012**, 60, 645-52	7.3	44
208	Targeting genetic and epigenetic alterations in the treatment of serous ovarian cancer. *Cancer Genetics*, **2011**, 204, 525-35	2.3	44
207	Correlating breakage-fusion-bridge events with the overall chromosomal instability and in vitro karyotype evolution in prostate cancer. *Cytogenetic and Genome Research*, **2007**, 116, 1-11	1.9	44
206	Association of alveolar rhabdomyosarcoma with the Beckwith-Wiedemann syndrome. *Pediatric and Developmental Pathology*, **2001**, 4, 550-8	2.2	44
205	ERG/AKR1C3/AR Constitutes a Feed-Forward Loop for AR Signaling in Prostate Cancer Cells. *Clinical Cancer Research*, **2015**, 21, 2569-79	12.9	43
204	Molecular characterization of deletion breakpoints in adults with 22q11 deletion syndrome. *Human Genetics*, **2007**, 120, 837-45	6.3	43
203	Defining a 0.5-mb region of genomic gain on chromosome 6p22 in bladder cancer by quantitative-multiplex polymerase chain reaction. *American Journal of Pathology*, **2004**, 164, 285-93	5.8	43
202	PTEN genomic deletions that characterize aggressive prostate cancer originate close to segmental duplications. *Genes Chromosomes and Cancer*, **2012**, 51, 149-60	5	42
201	Cytogenetically balanced translocations are associated with focal copy number alterations. *Human Genetics*, **2007**, 120, 795-805	6.3	42
200	Evidence of chromosomal instability in prostate cancer determined by spectral karyotyping (SKY) and interphase fish analysis. *Neoplasia*, **2001**, 3, 62-9	6.4	42
199	Assignment of the human prostaglandin-endoperoxide synthase 2 (PTGS2) gene to 1q25 by fluorescence in situ hybridization. *Genomics*, **1994**, 23, 718-9	4.3	42
198	Cyclin E1 is amplified and overexpressed in osteosarcoma. *Journal of Molecular Diagnostics*, **2011**, 13, 289-96	5.1	41
197	Loss of phosphatase and tensin homolog protein expression is an independent poor prognostic marker in lung adenocarcinoma. *Journal of Thoracic Oncology*, **2012**, 7, 1513-21	8.9	41
196	Identification of PFTAIRE protein kinase 1, a novel cell division cycle-2 related gene, in the motile phenotype of hepatocellular carcinoma cells. *Hepatology*, **2007**, 46, 436-45	11.2	41

195	Identification of PEG10 as a progression related biomarker for hepatocellular carcinoma. *Cancer Letters*, **2007**, 250, 284-91	9.9	41
194	Selection for transgene homozygosity in embryonic stem cells results in extensive loss of heterozygosity. *Nature Genetics*, **2001**, 27, 257-8	36.3	41
193	Melanotic neuroectodermal tumor of infancy: a molecular genetic study. *Pediatric and Developmental Pathology*, **1998**, 1, 295-9	2.2	40
192	Modulation by decitabine of gene expression and growth of osteosarcoma U2OS cells in vitro and in xenografts: identification of apoptotic genes as targets for demethylation. *Cancer Cell International*, **2007**, 7, 14	6.4	40
191	The breakage-fusion-bridge (BFB) cycle as a mechanism for generating genetic heterogeneity in osteosarcoma. *Chromosoma*, **2006**, 115, 459-67	2.8	40
190	Quantitative real-time PCR identifies a critical region of deletion on 22q13 related to prognosis in oral cancer. *Oncogene*, **2002**, 21, 6480-7	9.2	40
189	A phase II study of the HDAC inhibitor SB939 in patients with castration resistant prostate cancer: NCIC clinical trials group study IND195. *Investigational New Drugs*, **2015**, 33, 969-76	4.3	39
188	Distinct patterns of structural and numerical chromosomal instability characterize sporadic ovarian cancer. *Neoplasia*, **2008**, 10, 1057-65	6.4	39
187	Telomere attrition in isolated high-grade prostatic intraepithelial neoplasia and surrounding stroma is predictive of prostate cancer. *Neoplasia*, **2007**, 9, 81-9	6.4	39
186	Digital expression profiling identifies RUNX2, CDC5L, MDM2, RECQL4, and CDK4 as potential predictive biomarkers for neo-adjuvant chemotherapy response in paediatric osteosarcoma. *PLoS ONE*, **2014**, 9, e95843	3.7	39
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