Denise Sheer

List of Publications by Citations

138 papers	10,202 citations	49 h-index	99 g-index
144 ext. papers	10,990 ext. citations	8.9 avg, IF	5.17 L-index

#	Paper	IF	Citations
138	Localization of the gene for familial adenomatous polyposis on chromosome 5. *Nature*, **1987**, 328, 614-6	50.4	1214
137	The Ewing family of tumors--a subgroup of small-round-cell tumors defined by specific chimeric transcripts. *New England Journal of Medicine*, **1994**, 331, 294-9	59.2	894
136	Whole-genome sequencing identifies genetic alterations in pediatric low-grade gliomas. *Nature Genetics*, **2013**, 45, 602-12	36.3	562
135	Molecular analysis of acute promyelocytic leukemia breakpoint cluster region on chromosome 17. *Science*, **1990**, 249, 1577-80	33.3	533
134	Plasticity in the organization and sequences of human KIR/ILT gene families. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 4778-83	11.5	524
133	The type of somatic mutation at APC in familial adenomatous polyposis is determined by the site of the germline mutation: a new facet to Knudson's 'two-hit' hypothesis. *Nature Medicine*, **1999**, 5, 1071-5	50.5	295
132	The human polycomb group complex associates with pericentromeric heterochromatin to form a novel nuclear domain. *Journal of Cell Biology*, **1998**, 142, 887-98	7.3	242
131	Activation of the ERK/MAPK pathway: a signature genetic defect in posterior fossa pilocytic astrocytomas. *Journal of Pathology*, **2009**, 218, 172-81	9.4	231
130	Isolation of cDNA clones encoding the beta isozyme of human DNA topoisomerase II and localisation of the gene to chromosome 3p24. *Nucleic Acids Research*, **1992**, 20, 5587-92	20.1	227
129	Promyelocytic leukemia nuclear bodies associate with transcriptionally active genomic regions. *Journal of Cell Biology*, **2004**, 164, 515-26	7.3	191
128	Olfactory receptor gene cluster on human chromosome 17: possible duplication of an ancestral receptor repertoire. *Human Molecular Genetics*, **1994**, 3, 229-35	5.6	188
127	Genetic evidence that a Y-linked gene in man is homologous to a gene on the X chromosome. *Nature*, **1983**, 302, 346-9	50.4	180
126	Subchromosomal positioning of the epidermal differentiation complex (EDC) in keratinocyte and lymphoblast interphase nuclei. *Experimental Cell Research*, **2002**, 272, 163-75	4.2	170
125	Proteasome components with reciprocal expression to that of the MHC-encoded LMP proteins. *Current Biology*, **1994**, 4, 769-76	6.3	141
124	Spectral karyotyping suggests additional subsets of colorectal cancers characterized by pattern of chromosome rearrangement. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 2538-43	11.5	136
123	Characterisation of human thyroid epithelial cells immortalised in vitro by simian virus 40 DNA transfection. *British Journal of Cancer*, **1989**, 60, 897-903	8.7	133
122	Molecular cloning and tissue expression of FAT, the human homologue of the Drosophila fat gene that is located on chromosome 4q34-q35 and encodes a putative adhesion molecule. *Genomics*, **1995**, 30, 207-23	4.3	132

121	LIM-kinase deleted in Williams syndrome. *Nature Genetics*, **1996**, 13, 272-3	36.3	129
120	The isolation and characterization of colorectal epithelial cell lines at different stages in malignant transformation from familial polyposis coli patients. *International Journal of Cancer*, **1984**, 34, 49-56	7.5	126
119	Molecular cloning of human lysyl oxidase and assignment of the gene to chromosome 5q23.3-31.2. *Genomics*, **1991**, 11, 508-16	4.3	112
118	The role of microhomology in genomic structural variation. *Trends in Genetics*, **2014**, 30, 85-94	8.5	109
117	Two simple procedures for releasing chromatin from routinely fixed cells for fluorescence in situ hybridization. *Cytogenetic and Genome Research*, **1994**, 65, 203-5	1.9	105
116	The hypervariable gene locus PUM, which codes for the tumour associated epithelial mucins, is located on chromosome 1, within the region 1q21-24. *Annals of Human Genetics*, **1987**, 51, 289-94	2.2	103
115	Tumour angiogenesis is reduced in the Tc1 mouse model of Down syndrome. *Nature*, **2010**, 465, 813-7	50.4	101
114	PML bodies associate specifically with the MHC gene cluster in interphase nuclei. *Journal of Cell Science*, **2001**, 114, 3705-3716	5.3	95
113	Molecular and phenotypic characterisation of paediatric glioma cell lines as models for preclinical drug development. *PLoS ONE*, **2009**, 4, e5209	3.7	88
112	Characterization and chromosomal assignment of a human cell surface antigen defined by the monoclonal antibody AUAI. *International Journal of Cancer*, **1986**, 38, 631-6	7.5	79
111	Choroid plexus papillomas are induced by c-Myc overexpression in the choroid plexus via a T-cell inflammatory mechanism. *Neuro-Oncology*, **2019**, 21, iv9-iv10	1	78
110	PO77EXPRESSION OF THE ONCOGENIC SPLICE VARIANT OF CYCLIN D1, CCND1B, IN PAEDIATRIC LOW GRADE GLIOMAS. *Neuro-Oncology*, **2015**, 17, viii14.2-viii14	1	78
109	Chromosomal mapping of the human and mouse homologues of two new members of the AP-2 family of transcription factors. *Genomics*, **1996**, 35, 262-4	4.3	78
108	LGG-57. SIGNALLING MECHANISMS IN PAEDIATRIC LOW-GRADE GLIOMA. *Neuro-Oncology*, **2020**, 22, iii377-iii377	1	78
107	Type 5 acid phosphatase. Sequence, expression and chromosomal localization of a differentiation-associated protein of the human macrophage. *FEBS Journal*, **1990**, 189, 287-93		76
106	MAPK pathway activation and the origins of pediatric low-grade astrocytomas. *Journal of Cellular Physiology*, **2010**, 222, 509-14	7	73
105	Diagnosis of Ewing sarcoma and peripheral neuroectodermal tumour based on the detection of t(11;22) using fluorescence in situ hybridisation. *British Journal of Cancer*, **1993**, 67, 128-33	8.7	72
104	The human placental alkaline phosphatase gene and related sequences map to chromosome 2 band q37. *Annals of Human Genetics*, **1987**, 51, 145-52	2.2	72

103	The role of nuclear organization in cancer. *Journal of Pathology*, **2010**, 220, 114-25	9.4	68
102	Localization of the gene encoding a type I protein phosphatase catalytic subunit to human chromosome band 11q13. *Genomics*, **1990**, 7, 159-66	4.3	67
101	Genomic analysis of the Tapasin gene, located close to the TAP loci in the MHC. *European Journal of Immunology*, **1998**, 28, 459-67	6.1	66
100	A monoclonal antibody recognizing a cell surface antigen coded for by a gene on human chromosome 17. *Annals of Human Genetics*, **1982**, 46, 337-47	2.2	65
99	P-STAT1 mediates higher-order chromatin remodelling of the human MHC in response to IFNgamma. *Journal of Cell Science*, **2007**, 120, 3262-70	5.3	63
98	Genomic profiling identifies discrete deletions associated with translocations in glioblastoma multiforme. *Cell Cycle*, **2006**, 5, 783-91	4.7	57
97	A role for SC35 and hnRNPA1 in the determination of amyloid precursor protein isoforms. *Molecular Psychiatry*, **2007**, 12, 681-90	15.1	55
96	Establishment and characterisation of three new human ovarian carcinoma cell lines and initial evaluation of their potential in experimental chemotherapy studies. *International Journal of Cancer*, **1987**, 39, 219-25	7.5	55
95	Cloning and chromosome mapping of the human interleukin-1 receptor antagonist gene. *Cytokine*, **1992**, 4, 83-9	4	54
94	Regional localization of the gene coding for human brain nitric oxide synthase (NOS1) to 12q24.2-->24.31 by fluorescent in situ hybridization. *Cytogenetic and Genome Research*, **1993**, 64, 62-3	1.9	53
93	Assignment of the gene encoding the beta-subunit of the human fibronectin receptor (beta-FNR) to chromosome 10p11.2. *Annals of Human Genetics*, **1989**, 53, 15-22	2.2	52
92	Transformation associated p53 protein is encoded by a gene on human chromosome 17. *Somatic Cell and Molecular Genetics*, **1985**, 11, 505-10		51
91	Anchoring the genome. *Genome Biology*, **2008**, 9, 201	18.3	50
90	Mapping of the genes encoding human inducible and endothelial nitric oxide synthase (NOS2 and NOS3) to the pericentric region of chromosome 17 and to chromosome 7, respectively. *Genomics*, **1994**, 21, 419-22	4.3	50
89	RAF gene fusion breakpoints in pediatric brain tumors are characterized by significant enrichment of sequence microhomology. *Genome Research*, **2011**, 21, 505-14	9.7	49
88	Fine mapping of the human MHC class II region within chromosome band 6p21 and evaluation of probe ordering using interphase fluorescence in situ hybridization. *Cytogenetic and Genome Research*, **1993**, 64, 49-53	1.9	49
87	MYB upregulation and genetic aberrations in a subset of pediatric low-grade gliomas. *Acta Neuropathologica*, **2010**, 120, 731-43	14.3	47
86	Released chromatin: linearized DNA for high resolution fluorescence in situ hybridization. *Human Molecular Genetics*, **1994**, 3, 1275-80	5.6	47

85	Molecular cloning and analysis of the fragile X region in man. *Nucleic Acids Research*, **1991**, 19, 2567-72	20.1	47
84	A testis-expressed Zn finger gene (ZNF76) in human 6p21.3 centromeric to the MHC is closely linked to the human homolog of the t-complex gene tcp-11. *Genomics*, **1992**, 14, 673-9	4.3	47
83	Biochemical and genetic analysis of the OKa blood group antigen. *Immunogenetics*, **1988**, 27, 322-9	3.2	46
82	Cytogenetic analysis of four human ovarian carcinoma cell lines. *Cancer Genetics and Cytogenetics*, **1987**, 26, 339-49		44
81	RAF gene fusions are specific to pilocytic astrocytoma in a broad paediatric brain tumour cohort. *Acta Neuropathologica*, **2010**, 120, 271-3	14.3	43
80	Rapid detection of prognostic genetic factors in neuroblastoma using fluorescence in situ hybridisation on tumour imprints and bone marrow smears. United Kingdom Children© Cancer Study Group. *British Journal of Cancer*, **1994**, 69, 445-51	8.7	43
79	Genetic analysis of the 15;17 chromosome translocation associated with acute promyelocytic leukemia. *Proceedings of the National Academy of Sciences of the United States of America*, **1983**, 80, 5007-11	11.5	43
78	Fusion of the EWS gene to a DNA segment from 9q22-31 in a human myxoid chondrosarcoma. *Genes Chromosomes and Cancer*, **1995**, 12, 307-10	5	39
77	Mini review: form and function in the human interphase chromosome. *Cytogenetic and Genome Research*, **2000**, 90, 13-21	1.9	38
76	The human LFA-3 gene is located at the same chromosome band as the gene for its receptor CD2. *Immunogenetics*, **1988**, 28, 278-82	3.2	38
75	Non-random chromosomal rearrangements in pancreatic cancer cell lines identified by spectral karyotyping. *International Journal of Cancer*, **2001**, 91, 350-8	7.5	38
74	Monosomy 7 and multipotential stem cell transformation. *British Journal of Haematology*, **1985**, 61, 531-9	4.5	35
73	Localization of the oncogene c-erbA1 immediately proximal to the acute promyelocytic leukaemia breakpoint on chromosome 17. *Annals of Human Genetics*, **1985**, 49, 167-71	2.2	35
72	CpG island clones from a deletion encompassing the gene for adenomatous polyposis coli. *Proceedings of the National Academy of Sciences of the United States of America*, **1989**, 86, 10118-22	11.5	31
71	Analysis of NotI linking clones isolated from human chromosome 3 specific libraries. *Gene*, **1999**, 239, 259-71	3.8	30
70	Molecular analysis of pediatric brain tumors identifies microRNAs in pilocytic astrocytomas that target the MAPK and NF-Β pathways. *Acta Neuropathologica Communications*, **2015**, 3, 86	7.3	29
69	The telomeric 60 kb of chromosome arm 4p is homologous to telomeric regions on 13p, 15p, 21p, and 22p. *Genomics*, **1992**, 14, 350-6	4.3	29
68	Chromosomal localization, gene structure and transcription pattern of the ORFX gene, a homologue of the MHC-linked RING3 gene. *Gene*, **1997**, 200, 177-83	3.8	28

67	Chromosomal locations of the gene coding for the CD3 (T3) gamma subunit of the human and mouse CD3/T-cell antigen receptor complexes. *Immunogenetics*, **1987**, 26, 258-66	3.2	28
66	Construction of a genetic map of human chromosome 17 by use of chromosome-mediated gene transfer. *Proceedings of the National Academy of Sciences of the United States of America*, **1988**, 85, 8563-7	11.5	28
65	Molecular analysis of simple variant translocations in acute promyelocytic leukemia. *Genes Chromosomes and Cancer*, **1994**, 9, 234-43	5	27
64	Satellite DNA binding and cellular localisation of RNA helicase P68. *Journal of Cell Science*, **2005**, 118, 611-22	5.3	26
63	Chromosomal localisation of the human envoplakin gene (EVPL) to the region of the tylosis oesophageal cancer gene (TOCG) on 17q25. *Genomics*, **1996**, 37, 381-5	4.3	26
62	H-RYK, an Unusual Receptor Kinase: Isolation and Analysis of Expression in Ovarian Cancer. *Molecular Medicine*, **1996**, 2, 189-203	6.2	26
61	The gene coding for the p68 calcium-binding protein is localised to bands q32-q34 of human chromosome 5, and to mouse chromosome 11. *Human Genetics*, **1989**, 82, 234-8	6.3	26
60	Deletion of part of the short arm of chromosome 17 in a congenital fibrosarcoma. *Cancer Genetics and Cytogenetics*, **1990**, 48, 193-8		25
59	The small cell lung cancer antigen cluster-4 and the leukocyte antigen CD24 are allelic isoforms of the same gene (CD24) on chromosome band 6q21. *Cytogenetic and Genome Research*, **1995**, 70, 119-25	1.9	24
58	Localisation of the gene encoding the catalytic gamma subunit of phosphorylase kinase to human chromosome bands 7p12-q21. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1990**, 1048, 24-9		24
57	The gene coding for the human T-lymphocyte CD2 antigen is located on chromosome 1p. *Human Genetics*, **1987**, 76, 191-5	6.3	24
56	Generation of a genomic tiling array of the human major histocompatibility complex (MHC) and its application for DNA methylation analysis. *BMC Medical Genomics*, **2008**, 1, 19	3.7	23
55	Genomic structure and domain organisation of the human Bak gene. *Gene*, **1998**, 211, 87-94	3.8	22
54	Reconfiguration of genomic anchors upon transcriptional activation of the human major histocompatibility complex. *Genome Research*, **2008**, 18, 1778-86	9.7	22
53	Recruitment of heterogeneous nuclear ribonucleoprotein A1 in vivo to the LMP/TAP region of the major histocompatibility complex. *Journal of Biological Chemistry*, **2003**, 278, 5214-26	5.4	22
52	New vector for transfer of yeast artificial chromosomes to mammalian cells. *Somatic Cell and Molecular Genetics*, **1993**, 19, 161-9		22
51	Cytogenetic analysis of primitive neuroectodermal tumors. Absence of the t(11;22) in two of three cases and a review of the literature. *Cancer Genetics and Cytogenetics*, **1991**, 51, 13-22		22
50	Microglia promote glioblastoma via mTOR-mediated immunosuppression of the tumour microenvironment. *EMBO Journal*, **2020**, 39, e103790	13	22

49	Comparative expression analysis reveals lineage relationships between human and murine gliomas and a dominance of glial signatures during tumor propagation in vitro. *Cancer Research*, **2013**, 73, 5834-44	10.1	20
48	Fluorescence in situ hybridization techniques for the rapid detection of genetic prognostic factors in neuroblastoma. United Kingdom Children© Cancer Study Group. *British Journal of Cancer*, **2000**, 83, 40-9	8.7	20
47	The ubiquitin-homology gene PIC1: characterization of mouse (Pic1) and human (UBL1) genes and pseudogenes. *Genomics*, **1998**, 47, 92-100	4.3	20
46	The organization and conservation of the human Surfeit gene cluster and its localization telomeric to the c-abl and can proto-oncogenes at chromosome band 9q34.1. *Human Molecular Genetics*, **1993**, 2, 237-40	5.6	19
45	Widespread expression of BORIS/CTCFL in normal and cancer cells. *PLoS ONE*, **2011**, 6, e22399	3.7	17
44	Genetic relationships of the genes encoding the human proteasome beta subunits and the proteasome PA28 complex. *Genomics*, **1997**, 45, 362-7	4.3	17
43	Isolation of probes specific to human chromosomal region 6p21 from immunoselected irradiation-fusion gene transfer hybrids. *Genomics*, **1991**, 10, 598-607	4.3	17
42	DNA methylation analysis of paediatric low-grade astrocytomas identifies a tumour-specific hypomethylation signature in pilocytic astrocytomas. *Acta Neuropathologica Communications*, **2016**, 4, 54	7.3	17
41	Fine mapping of probes in the adenomatous polyposis coli region of chromosome 5 by in situ hybridization. *Genes Chromosomes and Cancer*, **1991**, 3, 382-9	5	15
40	A somatic cell hybrid panel for regional mapping of human chromosome 18. *Genomics*, **1992**, 14, 431-6	4.3	15
39	Karyotypic analysis of the human monoblastic cell line U937. *Cancer Genetics and Cytogenetics*, **1988**, 30, 277-84		15
38	HnRNP-A1 binds directly to double-stranded DNA in vitro within a 36 bp sequence. *Molecular and Cellular Biochemistry*, **2002**, 233, 181-5	4.2	13
37	The human homologue of the ninjurin gene maps to the candidate region of hereditary sensory neuropathy type I (HSNI). *Genomics*, **1998**, 47, 58-63	4.3	12
36	The eukaryotic cofactor for the human immunodeficiency virus type 1 (HIV-1) rev protein, eIF-5A, maps to chromosome 17p12-p13: three eIF-5A pseudogenes map to 10q23.3, 17q25, and 19q13.2. *Genomics*, **1995**, 25, 749-52	4.3	12
35	The human gene for xeroderma pigmentosum complementation group G (XPG) maps to 13q33 by fluorescence in situ hybridization. *Genomics*, **1994**, 21, 283-5	4.3	12
34	CTCF binds to sites in the major histocompatibility complex that are rapidly reconfigured in response to interferon-gamma. *Nucleic Acids Research*, **2012**, 40, 5262-70	20.1	11
33	cDNA cloning and chromosomal mapping of a mouse gene with homology to NTPases. *Mammalian Genome*, **1998**, 9, 162-4	3.2	11
32	Carcinoembryonic antigen (CEA) expression in somatic cell hybrids. *Somatic Cell Genetics*, **1982**, 8, 1-13		11

31	A novel and rapid method for isolating sequences adjacent to rare cutting sites and their use in physical mapping. *Nucleic Acids Research*, **1991**, 19, 4371-5	20.1	10
30	Identification of region-specific yeast artificial chromosomes using pools of Alu element-mediated polymerase chain reaction probes labeled via linear amplification. *Genomics*, **1992**, 14, 931-8	4.3	10
29	Mapping of the human SAP1 (SRF accessory protein 1) gene and SAP2, a gene encoding a related protein, to chromosomal bands 1q32 and 12q23, respectively. *Genomics*, **1994**, 23, 710-1	4.3	9
28	The proteome of neurofilament-containing protein aggregates in blood. *Biochemistry and Biophysics Reports*, **2018**, 14, 168-177	2.2	9
27	The genetic analysis of prostate carcinoma. *Seminars in Cancer Biology*, **1997**, 8, 37-44	12.7	8
26	Characterization of a t(10;11)(p13-14;q14-21) in the monoblastic cell line U937. *Genes Chromosomes and Cancer*, **1995**, 13, 138-42	5	8
25	Enzymatic degradation of RNA causes widespread protein aggregation in cell and tissue lysates. *EMBO Reports*, **2020**, 21, e49585	6.5	8
24	BORIS/CTCFL is an RNA-binding protein that associates with polysomes. *BMC Cell Biology*, **2013**, 14, 52		7
23	Three different brain tumours evolving from a common origin. *Oncogenesis*, **2013**, 2, e41	6.6	7
22	Narrowing of the region of allelic loss in 21q11-21 in squamous non-small cell lung carcinoma and cloning of a novel ubiquitin-specific protease gene from the deleted segment. *Genes Chromosomes and Cancer*, **2000**, 27, 153-161	5	7
21	Molecular characterization of a cDNA encoding functional human CLK4 kinase and localization to chromosome 5q35 [correction of 4q35]. *Genomics*, **2001**, 71, 368-70	4.3	7
20	Is prostate cancer worth diagnosing?. *Lancet, The*, **1995**, 346, 1177-8	40	7
19	Cloning of the region between HLA-DMB and LMP2 in the human major histocompatibility complex. *Human Immunology*, **1994**, 40, 1-7	2.3	7
18	Characterization of a continuous cell line in culture established from a Krukenberg tumour of the ovary arising from a primary gastric adenocarcinoma. *European Journal of Cancer & Clinical Oncology* , **1988**, 24, 1397-408		7
17	DNA replication-dependent induction of gene proximity by androgen. *Human Molecular Genetics*, **2015**, 24, 963-71	5.6	6
16	Replication timing profile reflects the distinct functional and genomic features of the MHC class II region. *Cell Cycle*, **2007**, 6, 2393-8	4.7	6
15	Genome-wide methylation analysis identifies genes silenced in non-seminoma cell lines. *Npj Genomic Medicine*, **2016**, 1, 15009	6.2	5
14	A long-range restriction map of human chromosome 5q21-q23. *Genomics*, **1993**, 17, 15-24	4.3	5

List of Publications

13	Deletion of c-ets1 and T3 gamma loci from the 11q- chromosome in the human monoblastic cell line U937. *Leukemia Research*, **1989**, 13, 445-50	2.7	5
12	The human HIV-1 Rev binding-protein hRIP/Rab (HRB) maps to chromosome 2q36. *Genomics*, **1997**, 40, 198-9	4.3	4
11	Comparative epigenetic analysis of tumour initiating cells and syngeneic EPSC-derived neural stem cells in glioblastoma. *Nature Communications*, **2021**, 12, 6130	17.4	4
10	c-MYC overexpression induces choroid plexus papillomas through a T-cell mediated inflammatory mechanism. *Acta Neuropathologica Communications*, **2019**, 7, 95	7.3	3
9	"Junction trapping". A simple PCR-based method for the isolation of YAC-insert termini. *Genetic Analysis, Techniques and Applications*, **1993**, 10, 42-8		3
8	Genetic aspects of carcinogenesis. *British Journal of Surgery*, **1985**, 72 Suppl, S39-41	5.3	2
7	The gene coding for human deoxyhypusine synthase (DHPS) maps to chromosome 19p13.11-p13.12. *Genomics*, **1996**, 35, 635-7	4.3	2
6	CD164, a Novel Sialomucin on CD34+ and Erythroid Subsets, Is Located on Human Chromosome 6q21. *Blood*, **1998**, 92, 849-866	2.2	2
5	Genomic analysis of the Tapasin gene, located close to the TAP loci in the MHC **1998**, 28, 459		2
4	Cytogenetic analysis of a cell line established from a Krukenberg tumor. *Cancer Genetics and Cytogenetics*, **1990**, 46, 71-4		1
3	Enzymatic degradation of RNA causes widespread protein aggregation in cell and tissue lysates		1
2	Genetic aspects of carcinogenesis **1986**, S39-S41		
1	LGG-44. Multi-omic analysis reveals integrated signalling networks in paediatric low-grade glioma. *Neuro-Oncology*, **2022**, 24, i98-i98	1	