Carolyn J Brown

List of Publications by Citations

125 papers	11,129 citations	48 h-index	105 g-index
137 ext. papers	12,457 ext. citations	8.9 avg, IF	6.09 L-index

#	Paper	IF	Citations
125	The functional role of long non-coding RNA in human carcinomas. *Molecular Cancer*, **2011**, 10, 38	42.1	1233
124	A gene from the region of the human X inactivation centre is expressed exclusively from the inactive X chromosome. *Nature*, **1991**, 349, 38-44	50.4	1164
123	The human XIST gene: analysis of a 17 kb inactive X-specific RNA that contains conserved repeats and is highly localized within the nucleus. *Cell*, **1992**, 71, 527-42	56.2	1021
122	A gene deleted in Kallmann's syndrome shares homology with neural cell adhesion and axonal path-finding molecules. *Nature*, **1991**, 353, 529-36	50.4	764
121	A comprehensive analysis of common copy-number variations in the human genome. *American Journal of Human Genetics*, **2007**, 80, 91-104	11	429
120	Additional annotation enhances potential for biologically-relevant analysis of the Illumina Infinium HumanMethylation450 BeadChip array. *Epigenetics and Chromatin*, **2013**, 6, 4	5.8	349
119	Localization of the X inactivation centre on the human X chromosome in Xq13. *Nature*, **1991**, 349, 82-4	50.4	338
118	Human cancer long non-coding RNA transcriptomes. *PLoS ONE*, **2011**, 6, e25915	3.7	292
117	The interleukin-2 receptor gamma chain maps to Xq13.1 and is mutated in X-linked severe combined immunodeficiency, SCIDX1. *Human Molecular Genetics*, **1993**, 2, 1099-104	5.6	251
116	The human X-inactivation centre is not required for maintenance of X-chromosome inactivation. *Nature*, **1994**, 368, 154-6	50.4	233
115	Translating dosage compensation to trisomy 21. *Nature*, **2013**, 500, 296-300	50.4	228
114	Androgen receptor locus on the human X chromosome: regional localization to Xq11-12 and description of a DNA polymorphism. *American Journal of Human Genetics*, **1989**, 44, 264-9	11	213
113	Silencing of the mammalian X chromosome. *Annual Review of Genomics and Human Genetics*, **2005**, 6, 69-92	9.7	172
112	Landscape of DNA methylation on the X chromosome reflects CpG density, functional chromatin state and X-chromosome inactivation. *Human Molecular Genetics*, **2015**, 24, 1528-39	5.6	151
111	Expression of genes from the human active and inactive X chromosomes. *American Journal of Human Genetics*, **1997**, 60, 1333-43	11	145
110	A stain upon the silence: genes escaping X inactivation. *Trends in Genetics*, **2003**, 19, 432-8	8.5	136
109	Acquired TNFRSF14 mutations in follicular lymphoma are associated with worse prognosis. *Cancer Research*, **2010**, 70, 9166-74	10.1	133

108	The dynamics of X-inactivation skewing as women age. *Clinical Genetics*, **2004**, 66, 327-32	4	117
107	Unique somatic and malignant expression patterns implicate PIWI-interacting RNAs in cancer-type specific biology. *Scientific Reports*, **2015**, 5, 10423	4.9	115
106	Derivation of consensus inactivation status for X-linked genes from genome-wide studies. *Biology of Sex Differences*, **2015**, 6, 35	9.3	107
105	Skewed X-chromosome inactivation is common in fetuses or newborns associated with confined placental mosaicism. *American Journal of Human Genetics*, **1997**, 61, 1353-61	11	106
104	Epigenomics: mapping the methylome. *Cell Cycle*, **2006**, 5, 155-8	4.7	106
103	The causes and consequences of random and non-random X chromosome inactivation in humans. *Clinical Genetics*, **2000**, 58, 353-63	4	106
102	Escape Artists of the X Chromosome. *Trends in Genetics*, **2016**, 32, 348-359	8.5	102
101	Evolutionary conservation of possible functional domains of the human and murine XIST genes. *Human Molecular Genetics*, **1993**, 2, 663-72	5.6	96
100	Chromosome-wide DNA methylation analysis predicts human tissue-specific X inactivation. *Human Genetics*, **2011**, 130, 187-201	6.3	95
99	DNA methylation is globally disrupted and associated with expression changes in chronic obstructive pulmonary disease small airways. *American Journal of Respiratory Cell and Molecular Biology*, **2014**, 50, 912-22	5.7	90
98	Analysis of expressed SNPs identifies variable extents of expression from the human inactive X chromosome. *Genome Biology*, **2013**, 14, R122	18.3	90
97	Stabilization and localization of Xist RNA are controlled by separate mechanisms and are not sufficient for X inactivation. *Journal of Cell Biology*, **1998**, 142, 13-23	7.3	84
96	Mechanisms of X-chromosome inactivation. *Frontiers in Bioscience - Landmark*, **2006**, 11, 852-66	2.8	82
95	Epigenetics of cancer progression. *Pharmacogenomics*, **2008**, 9, 215-34	2.6	73
94	Physical mapping of 60 DNA markers in the p21.1----q21.3 region of the human X chromosome. *Genomics*, **1991**, 11, 352-63	4.3	72
93	Extremely skewed X-chromosome inactivation is increased in women with recurrent spontaneous abortion. *American Journal of Human Genetics*, **1999**, 65, 913-7	11	71
92	Skewed X-chromosome inactivation is associated with trisomy in women ascertained on the basis of recurrent spontaneous abortion or chromosomally abnormal pregnancies. *American Journal of Human Genetics*, **2003**, 72, 399-407	11	68
91	A skewed view of X chromosome inactivation. *Journal of Clinical Investigation*, **2008**, 118, 20-3	15.9	66

90	Variable escape from X-chromosome inactivation: identifying factors that tip the scales towards expression. *BioEssays*, **2014**, 36, 746-56	4.1	65
89	A cross-species comparison of X-chromosome inactivation in Eutheria. *Genomics*, **2007**, 90, 453-63	4.3	61
88	Inactive X chromosome-specific reduction in placental DNA methylation. *Human Molecular Genetics*, **2009**, 18, 3544-52	5.6	60
87	Inducible XIST-dependent X-chromosome inactivation in human somatic cells is reversible. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 10104-9	11.5	60
86	Polymorphic X-chromosome inactivation of the human TIMP1 gene. *American Journal of Human Genetics*, **1999**, 65, 699-708	11	59
85	Small marker X chromosomes lack the X inactivation center: implications for karyotype/phenotype correlations. *American Journal of Human Genetics*, **1994**, 55, 87-95	11	55
84	2.6 Mb YAC contig of the human X inactivation center region in Xq13: physical linkage of the RPS4X, PHKA1, XIST and DXS128E genes. *Human Molecular Genetics*, **1993**, 2, 1105-15	5.6	54
83	Forming facultative heterochromatin: silencing of an X chromosome in mammalian females. *Cellular and Molecular Life Sciences*, **2003**, 60, 2586-603	10.3	53
82	Unravelling the complex genetics of cleft lip in the mouse model. *Mammalian Genome*, **2001**, 12, 426-35	3.2	53
81	X chromosome inactivation of the human TIMP gene. *Nucleic Acids Research*, **1990**, 18, 4191-5	20.1	52
80	X chromosome-specific cDNA arrays: identification of genes that escape from X-inactivation and other applications. *Human Molecular Genetics*, **2001**, 10, 77-83	5.6	51
79	Spread of X-chromosome inactivation into autosomal sequences: role for DNA elements, chromatin features and chromosomal domains. *Human Molecular Genetics*, **2014**, 23, 1211-23	5.6	49
78	The 56/58 kDa androgen-binding protein in male genital skin fibroblasts with a deleted androgen receptor gene. *Molecular and Cellular Endocrinology*, **1991**, 75, 37-47	4.4	48
77	When the Lyon(ized chromosome) roars: ongoing expression from an inactive X chromosome. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	47
76	Investigations of the genomic region that contains the clf1 mutation, a causal gene in multifactorial cleft lip and palate in mice. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2005**, 73, 103-13		47
75	Epigenetic impacts on neurodevelopment: pathophysiological mechanisms and genetic modes of action. *Pediatric Research*, **2011**, 69, 92R-100R	3.2	46
74	X-chromosome inactivation: molecular mechanisms from the human perspective. *Human Genetics*, **2011**, 130, 175-85	6.3	45
73	Variability of X chromosome inactivation: effect on levels of TIMP1 RNA and role of DNA methylation. *Human Genetics*, **2002**, 110, 271-8	6.3	45

72	Mapping of the distal boundary of the X-inactivation center in a rearranged X chromosome from a female expressing XIST. *Human Molecular Genetics*, **1993**, 2, 883-7	5.6	44
71	Noninactivation of a selectable human X-linked gene that complements a murine temperature-sensitive cell cycle defect. *American Journal of Human Genetics*, **1989**, 45, 592-8	11	44
70	Characterization of expression at the human XIST locus in somatic, embryonal carcinoma, and transgenic cell lines. *Genomics*, **2003**, 82, 309-22	4.3	42
69	Prognostic significance of secondary cytogenetic alterations in follicular lymphomas. *Genes Chromosomes and Cancer*, **2008**, 47, 1038-48	5	41
68	Involvement of the X chromosome in non-Hodgkin lymphoma. *Genes Chromosomes and Cancer*, **2000**, 28, 246-257	5	40
67	Induction of XIST expression from the human active X chromosome in mouse/human somatic cell hybrids by DNA demethylation. *Nucleic Acids Research*, **1998**, 26, 2935-40	20.1	38
66	The DXS423E gene in Xp11.21 escapes X chromosome inactivation. *Human Molecular Genetics*, **1995** , 4, 251-5	5.6	38
65	Localization of a gene that escapes inactivation to the X chromosome proximal short arm: implications for X inactivation. *American Journal of Human Genetics*, **1990**, 46, 273-9	11	38
64	Skewed X inactivation and recurrent spontaneous abortion. *Seminars in Reproductive Medicine*, **2001**, 19, 175-81	1.4	36
63	Epigenetic and chromosomal control of gene expression: molecular and genetic analysis of X chromosome inactivation. *Cold Spring Harbor Symposia on Quantitative Biology*, **1993**, 58, 315-22	3.9	36
62	Patterns of placental development evaluated by X chromosome inactivation profiling provide a basis to evaluate the origin of epigenetic variation. *Human Reproduction*, **2012**, 27, 1745-53	5.7	34
61	The eXceptional nature of the X chromosome. *Human Molecular Genetics*, **2018**, 27, R242-R249	5.6	32
60	Lack of expression of XIST from a small ring X chromosome containing the XIST locus in a girl with short stature, facial dysmorphism and developmental delay. *European Journal of Human Genetics*, **2002**, 10, 44-51	5.3	31
59	Methylation of ZNF261 as an assay for determining X chromosome inactivation patterns **2003**, 120A, 439-41		30
58	Skewed X-chromosome inactivation: cause or consequence?. *Journal of the National Cancer Institute* , **1999**, 91, 304-5	9.7	29
57	Impact of flanking chromosomal sequences on localization and silencing by the human non-coding RNA XIST. *Genome Biology*, **2015**, 16, 208	18.3	27
56	EYA4 is inactivated biallelically at a high frequency in sporadic lung cancer and is associated with familial lung cancer risk. *Oncogene*, **2014**, 33, 4464-73	9.2	27
55	XIST-induced silencing of flanking genes is achieved by additive action of repeat a monomers in human somatic cells. *Epigenetics and Chromatin*, **2013**, 6, 23	5.8	26

54	Escape From X-Chromosome Inactivation: An Evolutionary Perspective. *Frontiers in Cell and Developmental Biology*, **2019**, 7, 241	5.7	25
53	Beyond sense: the role of antisense RNA in controlling Xist expression. *Seminars in Cell and Developmental Biology*, **2003**, 14, 341-7	7.5	25
52	Characterization of a small supernumerary ring X chromosome by fluorescence in situ hybridization. *American Journal of Medical Genetics Part A*, **1993**, 47, 1153-6		25
51	Determination of X-chromosome inactivation status using X-linked expressed polymorphisms identified by database searching. *Genomics*, **2000**, 65, 9-15	4.3	24
50	Role of the X chromosome in cancer. *Journal of the National Cancer Institute*, **1996**, 88, 480-2	9.7	23
49	Differentially methylated CpG island within human XIST mediates alternative P2 transcription and YY1 binding. *BMC Genetics*, **2014**, 15, 89	2.6	22
48	An association between skewed X-chromosome inactivation and abnormal outcome in mosaic trisomy 16 confined predominantly to the placenta. *Clinical Genetics*, **2000**, 58, 436-46	4	20
47	Gene on short arm of human X chromosome complements murine tsA1S9 DNA synthesis mutation. *Somatic Cell and Molecular Genetics*, **1989**, 15, 173-8		20
46	Direct detection of non-random X chromosome inactivation by use of a transcribed polymorphism in the XIST gene. *European Journal of Human Genetics*, **1995**, 3, 333-43	5.3	20
45	Hypoxia and environmental epigenetics. *High Altitude Medicine and Biology*, **2014**, 15, 323-30	1.9	19
44	Evidence that heteronuclear proteins interact with XIST RNA in vitro. *Somatic Cell and Molecular Genetics*, **1996**, 22, 403-17		19
43	Identification of regulatory elements flanking human XIST reveals species differences. *BMC Molecular Biology*, **2010**, 11, 20	4.5	17
42	Human cis-acting elements regulating escape from X-chromosome inactivation function in mouse. *Human Molecular Genetics*, **2018**, 27, 1252-1262	5.6	16
41	YY1 binding association with sex-biased transcription revealed through X-linked transcript levels and allelic binding analyses. *Scientific Reports*, **2016**, 6, 37324	4.9	16
40	Methylated DNA immunoprecipitation. *Journal of Visualized Experiments*, **2009**,	1.6	16
39	Regional localization of CCG1 gene which complements hamster cell cycle mutation BN462 to Xq11-Xq13. *Somatic Cell and Molecular Genetics*, **1989**, 15, 93-6		16
38	XIST expression and X-chromosome inactivation in human preimplantation embryos. *American Journal of Human Genetics*, **1997**, 61, 5-8	11	15
37	Molecular and Genetic Studies of Human X Chromosome Inactivation. *Advances in Developmental Biology (1992)*, **1993**, 2, 37-72		14

36	Targeting of >1.5 Mb of human DNA into the mouse X chromosome reveals presence of cis-acting regulators of epigenetic silencing. *Genetics*, **2012**, 192, 1281-93	4	13
35	Epigenetic predisposition to expression of TIMP1 from the human inactive X chromosome. *BMC Genetics*, **2005**, 6, 48	2.6	13
34	Genes that escape from X-chromosome inactivation: Potential contributors to Klinefelter syndrome. *American Journal of Medical Genetics, Part C: Seminars in Medical Genetics*, **2020**, 184, 226-238	3.1	13
33	X-chromosome inactivation (XCI) patterns in placental tissues of a paternally derived bal t(X;20) case **2003**, 118A, 29-34		12
32	Salvage TME following TEM: a possible indication for TaTME. *Techniques in Coloproctology*, **2018**, 22, 355-361	2.9	11
31	Intragenic CNVs for epigenetic regulatory genes in intellectual disability: Survey identifies pathogenic and benign single exon changes. *American Journal of Medical Genetics, Part A*, **2016**, 170, 2916-2926	2.5	11
30	Ectopic XIST transcripts in human somatic cells show variable expression and localization. *Cytogenetic and Genome Research*, **2002**, 99, 92-8	1.9	11
29	Skewed X-chromosome inactivation is associated with primary but not secondary ovarian failure. *American Journal of Medical Genetics, Part A*, **2007**, 143A, 945-51	2.5	10
28	Assessment of long non-coding RNA expression reveals novel mediators of the lung tumour immune response. *Scientific Reports*, **2020**, 10, 16945	4.9	9
27	A multi-centre randomized controlled trial of open vs closed management of the rectal defect after transanal endoscopic microsurgery. *Colorectal Disease*, **2019**, 21, 1025-1031	2.1	8
26	Getting to the center of X-chromosome inactivation: the role of transgenes. *Biochemistry and Cell Biology*, **2009**, 87, 759-66	3.6	8
25	Genetic mapping of four DNA markers (DXS16, DXS43, DXS85, and DXS143) from the p22 region of the human X chromosome. *Human Genetics*, **1988**, 80, 296-8	6.3	8
24	Have humans lost control: The elusive X-controlling element. *Seminars in Cell and Developmental Biology*, **2016**, 56, 71-77	7.5	7
23	Beyond sequence homology: Cellular biology limits the potential of XIST to act as a miRNA sponge. *PLoS ONE*, **2019**, 14, e0221371	3.7	7
22	BCoR-L1 variation and breast cancer. *Breast Cancer Research*, **2007**, 9, R54	8.3	7
21	Equality of the sexes: mammalian dosage compensation. *Seminars in Reproductive Medicine*, **2001**, 19, 125-32	1.4	7
20	Cross-species examination of X-chromosome inactivation highlights domains of escape from silencing. *Epigenetics and Chromatin*, **2021**, 14, 12	5.8	7
19	X chromosome inactivation: heterogeneity of heterochromatin. *Biochemistry and Cell Biology*, **2008**, 86, 370-9	3.6	6

18	How do genes that escape from X-chromosome inactivation contribute to Turner syndrome?. *American Journal of Medical Genetics, Part C: Seminars in Medical Genetics*, **2019**, 181, 28-35	3.1	6
17	S100B and neurofibromin immunostaining and X-inactivation patterns of laser-microdissected cells indicate a multicellular origin of some NF1-associated neurofibromas. *Journal of Neuroscience Research*, **2011**, 89, 1451-60	4.4	5
16	MspI RFLP detected with chromosome-walk clone pXUT23-SE3.2L from DXS16 in Xp22.1-22.3. *Nucleic Acids Research*, **1987**, 15, 9614	20.1	5
15	Surgical site infection in elective colonic and rectal resections: effect of oral antibiotics and mechanical bowel preparation compared with mechanical bowel preparation only. *Colorectal Disease*, **2020**, 22, 1686-1693	2.1	5
14	Prediction model and web-based risk calculator for postoperative ileus after loop ileostomy closure. *British Journal of Surgery*, **2019**, 106, 1676-1684	5.3	4
13	Identification of a PIG-A related processed gene on chromosome 12. *Human Genetics*, **1995**, 95, 691-7	6.3	4
12	Active chromatin marks are retained on X chromosomes lacking gene or repeat silencing despite XIST/Xist expression in somatic cell hybrids. *PLoS ONE*, **2010**, 5, e10787	3.7	4
11	A cross-cohort analysis of autosomal DNA methylation sex differences in the term placenta. *Biology of Sex Differences*, **2021**, 12, 38	9.3	3
10	Contribution of genetic and epigenetic changes to escape from X-chromosome inactivation. *Epigenetics and Chromatin*, **2021**, 14, 30	5.8	3
9	Independent domains for recruitment of PRC1 and PRC2 by human XIST. *PLoS Genetics*, **2021**, 17, e1009623		3
8	Transanal endoscopic microsurgery as day surgery - a single-centre experience with 500 patients. *Colorectal Disease*, **2018**, 20, O310-O315	2.1	2
7	Transanal Endoscopic Microsurgery (TEM) for rectal GI stromal tumor. *American Journal of Surgery*, **2021**, 221, 183-186	2.7	2
6	X-Chromosome Inactivation **2013**, 63-88		1
5	Lack of expression of XIST from a small ring X chromosome containing the XIST locus in a girl with short stature, facial dysmorphism and developmental delay		1
4	Pterostilbene leads to DNMT3B-mediated DNA methylation and silencing of OCT1-targeted oncogenes in breast cancer cells. *Journal of Nutritional Biochemistry*, **2021**, 98, 108815	6.3	1
3	Involvement of the X chromosome in non-Hodgkin lymphoma **2000**, 28, 246		1
2	Multiple distinct domains of human XIST are required to coordinate gene silencing and subsequent heterochromatin formation.. *Epigenetics and Chromatin*, **2022**, 15, 6	5.8	0
1	Reply to Dr. Robert A. Hegele. *American Journal of Human Genetics*, **2007**, 81, 415	11	