Carolyn J Brown

List of Publications by Year
in descending order

127 papers	13,283 citations	34105 52 h-index	22832 112 g-index
137 all docs	137 docs citations	137 times ranked	14503 citing authors

#	Article	IF	Citations
1	Multiple distinct domains of human XIST are required to coordinate gene silencing and subsequent heterochromatin formation. Epigenetics and Chromatin, 2022, 15, 6.	3.9	13
2	Transanal Endoscopic Microsurgery (TEM) for rectal GI stromal tumor. American Journal of Surgery, 2021, 221, 183-186.	1.8	5
3	Cross-species examination of X-chromosome inactivation highlights domains of escape from silencing. Epigenetics and Chromatin, 2021, 14, 12.	3.9	23
4	Independent domains for recruitment of PRC1 and PRC2 by human XIST. PLoS Genetics, 2021, 17, e1009123.	3.5	17
5	A cross-cohort analysis of autosomal DNA methylation sex differences in the term placenta. Biology of Sex Differences, 2021, 12, 38.	4.1	23
6	Contribution of genetic and epigenetic changes to escape from X-chromosome inactivation. Epigenetics and Chromatin, 2021, 14, 30.	3.9	11
7	Pterostilbene leads to DNMT3B-mediated DNA methylation and silencing of OCT1-targeted oncogenes in breast cancer cells. Journal of Nutritional Biochemistry, 2021, 98, 108815.	4.2	13
8	Assessment of long non-coding RNA expression reveals novel mediators of the lung tumour immune response. Scientific Reports, 2020, 10, 16945.	3.3	16
9	Genes that escape from Xâ€chromosome inactivation: Potential contributors to Klinefelter syndrome. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2020, 184, 226-238.	1.6	44
10	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.	1.4	9
11	Beyond sequence homology: Cellular biology limits the potential of XIST to act as a miRNA sponge. PLoS ONE, 2019, 14, e0221371.	2.5	9
12	Prediction model and web-based risk calculator for postoperative ileus after loop ileostomy closure. British Journal of Surgery, 2019, 106, 1676-1684.	0.3	7
13	Escape From X-Chromosome Inactivation: An Evolutionary Perspective. Frontiers in Cell and Developmental Biology, 2019, 7, 241.	3.7	68
14	A multiâ€centre randomized controlled trial of open vs closed management of the rectal defect after transanal endoscopic microsurgery. Colorectal Disease, 2019, 21, 1025-1031.	1.4	11
15	How do genes that escape from Xâ€chromosome inactivation contribute to Turner syndrome?. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2019, 181, 84-91.	1.6	18
16	Human cis-acting elements regulating escape from X-chromosome inactivation function in mouse. Human Molecular Genetics, 2018, 27, 1252-1262.	2.9	23
17	Salvage TME following TEM: a possible indication for TaTME. Techniques in Coloproctology, 2018, 22, 355-361.	1.8	14
18	The eXceptional nature of the X chromosome. Human Molecular Genetics, 2018, 27, R242-R249.	2.9	64

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19	Transanal endoscopic microsurgery as day surgery â€“ a singleâ€centre experience with 500 patients. Colorectal Disease, 2018, 20, O310-O315.	1.4	4
20	When the Lyon(ized chromosome) roars: ongoing expression from an inactive X chromosome. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160355.	4.0	71
21	Escape Artists of the X Chromosome. Trends in Genetics, 2016, 32, 348-359.	6.7	144
22	YY1 binding association with sex-biased transcription revealed through X-linked transcript levels and allelic binding analyses. Scientific Reports, 2016, 6, 37324.	3.3	32
23	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.	1.2	14
24	Have humans lost control: The elusive X-controlling element. Seminars in Cell and Developmental Biology, 2016, 56, 71-77.	5.0	13
25	Derivation of consensus inactivation status for X-linked genes from genome-wide studies. Biology of Sex Differences, 2015, 6, 35.	4.1	210
26	Impact of flanking chromosomal sequences on localization and silencing by the human non-coding RNA XIST. Genome Biology, 2015, 16, 208.	8.8	36
27	Landscape of DNA methylation on the X chromosome reflects CpG density, functional chromatin state and X-chromosome inactivation. Human Molecular Genetics, 2015, 24, 1528-1539.	2.9	249
28	Unique somatic and malignant expression patterns implicate PIWI-interacting RNAs in cancer-type specific biology. Scientific Reports, 2015, 5, 10423.	3.3	139
29	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, 912-922.	2.9	122
30	Differentially methylated CpG island within human XIST mediates alternative P2 transcription and YY1 binding. BMC Genetics, 2014, 15, 89.	2.7	36
31	EYA4 is inactivated biallelically at a high frequency in sporadic lung cancer and is associated with familial lung cancer risk. Oncogene, 2014, 33, 4464-4473.	5.9	41
32	Spread of X-chromosome inactivation into autosomal sequences: role for DNA elements, chromatin features and chromosomal domains. Human Molecular Genetics, 2014, 23, 1211-1223.	2.9	60
33	Hypoxia and Environmental Epigenetics. High Altitude Medicine and Biology, 2014, 15, 323-330.	0.9	22
34	Variable escape from Xâ€chromosome inactivation: Identifying factors that tip the scales towards expression. BioEssays, 2014, 36, 746-756.	2.5	88
35	Additional annotation enhances potential for biologically-relevant analysis of the Illumina Infinium HumanMethylation450 BeadChip array. Epigenetics and Chromatin, 2013, 6, 4.	3.9	412
36	Translating dosage compensation to trisomy 21. Nature, 2013, 500, 296-300.	27.8	282

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37	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.	3.9	37
38	X-Chromosome Inactivation. , 2013, , 63-88.		1
39	Analysis of expressed SNPs identifies variable extents of expression from the human inactive X chromosome. Genome Biology, 2013, 14, R122.	9.6	174
40	Patterns of placental development evaluated by X chromosome inactivation profiling provide a basis to evaluate the origin of epigenetic variation. Human Reproduction, 2012, 27, 1745-1753.	0.9	39
41	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, 1281-1293.	2.9	17
42	Human Cancer Long Non-Coding RNA Transcriptomes. PLoS ONE, 2011, 6, e25915.	2.5	323
43	X-chromosome inactivation: molecular mechanisms from the human perspective. Human Genetics, 2011, 130, 175-185.	3.8	54
44	Chromosome-wide DNA methylation analysis predicts human tissue-specific X inactivation. Human Genetics, 2011, 130, 187-201.	3.8	111
45	The functional role of long non-coding RNA in human carcinomas. Molecular Cancer, 2011, 10, 38.	19.2	1,450
46	S100B and neurofibromin immunostaining and Xâ€inactivation patterns of laserâ€microdissected cells indicate a multicellular origin of some NF1â€associated neurofibromas. Journal of Neuroscience Research, 2011, 89, 1451-1460.	2.9	5
47	Epigenetic Impacts on Neurodevelopment: Pathophysiological Mechanisms and Genetic Modes of Action. Pediatric Research, 2011, 69, 92R-100R.	2.3	62
48	Identification of regulatory elements flanking human XIST reveals species differences. BMC Molecular Biology, 2010, 11, 20.	3.0	19
49	Acquired TNFRSF14 Mutations in Follicular Lymphoma Are Associated with Worse Prognosis. Cancer Research, 2010, 70, 9166-9174.	0.9	160
50	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.	2.5	4
51	Methylated DNA Immunoprecipitation. Journal of Visualized Experiments, 2009, , .	0.3	21
52	Inactive X chromosome-specific reduction in placental DNA methylation. Human Molecular Genetics, 2009, 18, 3544-3552.	2.9	66
53	Getting to the center of X-chromosome inactivation: the role of transgenesThis paper is one of a selection of papers published in this Special Issue, entitled 30th Annual International Asilomar Chromatin and Chromosomes Conference, and has undergone the Journalâ€™s usual peer review process.. Biochemistry and Cell Biology, 2009, 87, 759-766.	2.0	13
54	An association between skewed X-chromosome inactivation and abnormal outcome in mosaic trisomy 16 confined predominantly to the placenta. Clinical Genetics, 2008, 58, 436-446.	2.0	23

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55	Prognostic significance of secondary cytogenetic alterations in follicular lymphomas. Genes Chromosomes and Cancer, 2008, 47, 1038-1048.	2.8	50
56	X chromosome inactivation: heterogeneity of heterochromatin. Biochemistry and Cell Biology, 2008, 86, 370-379.	2.0	6
57	Epigenetics of cancer progression. Pharmacogenomics, 2008, 9, 215-234.	1.3	79
58	A skewed view of X chromosome inactivation. Journal of Clinical Investigation, 2008, 118, 20-23.	8.2	94
59	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, 10104-10109.	7.1	73
60	A cross-species comparison of X-chromosome inactivation in Eutheria. Genomics, 2007, 90, 453-463.	2.9	77
61	Reply to Dr. Robert A. Hegele. American Journal of Human Genetics, 2007, 81, 415.	6.2	0
62	BCoR-L1 variation and breast cancer. Breast Cancer Research, 2007, 9, R54.	5.0	10
63	A Comprehensive Analysis of Common Copy-Number Variations in the Human Genome. American Journal of Human Genetics, 2007, 80, 91-104.	6.2	471
64	Skewed X-chromosome inactivation is associated with primary but not secondary ovarian failure. American Journal of Medical Genetics, Part A, 2007, 143A, 945-951.	1.2	12
65	Comparative Cancer Epigenomics. , 2007, , 261-279.		0
66	Epigenomics: Mapping the Methylome. Cell Cycle, 2006, 5, 155-158.	2.6	117
67	Mechanisms of X-chromosome inactivation. Frontiers in Bioscience - Landmark, 2006, 11, 852.	3.0	93
68	Human X chromosome inactivation. , 2005, , .		0
69	Investigations of the genomic region that contains theclf1 mutation, a causal gene in multifactorial cleft lip and palate in mice. Birth Defects Research Part A: Clinical and Molecular Teratology, 2005, 73, 103-113.	1.6	54
70	Epigenetic predisposition to expression of TIMP1 from the human inactive X chromosome. BMC Genetics, 2005, 6, 48.	2.7	15
71	SILENCING OF THE MAMMALIAN X CHROMOSOME. Annual Review of Genomics and Human Genetics, 2005, 6, 69-92.	6.2	188
72	The dynamics of Xâ€inactivation skewing as women age. Clinical Genetics, 2004, 66, 327-332.	2.0	137

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73	Forming facultative heterochromatin: silencing of an X chromosome in mammalian females. Cellular and Molecular Life Sciences, 2003, 60, 2586-2603.	5.4	63
74	A stain upon the silence: genes escaping X inactivation. Trends in Genetics, 2003, 19, 432-438.	6.7	146
75	X-chromosome inactivation (XCI) patterns in placental tissues of a paternally derived bal t(X;20) case. , 2003, 118A, 29-34.		17
76	Methylation of ZNF261 as an assay for determining X chromosome inactivation patterns. American Journal of Medical Genetics, Part A, 2003, 120A, 439-441.	1.2	33
77	Beyond sense: the role of antisense RNA in controlling Xist expression. Seminars in Cell and Developmental Biology, 2003, 14, 341-347.	5.0	26
78	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.	6.2	75
79	Characterization of expression at the human XIST locus in somatic, embryonal carcinoma, and transgenic cell lines. Genomics, 2003, 82, 309-322.	2.9	48
80	Ectopic XIST transcripts in human somatic cells show variable expression and localization. Cytogenetic and Genome Research, 2002, 99, 92-98.	1.1	12
81	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.	2.8	35
82	Variability of X chromosome inactivation: effect on levels of TIMP1 RNA and role of DNA methylation. Human Genetics, 2002, 110, 271-278.	3.8	47
83	Unravelling the complex genetics of cleft lip in the mouse model. Mammalian Genome, 2001, 12, 426-435.	2.2	54
84	X chromosome-specific cDNA arrays: identification of genes that escape from X-inactivation and other applications. Human Molecular Genetics, 2001, 10, 77-83.	2.9	61
85	Equality of the Sexes: Mammalian Dosage Compensation. Seminars in Reproductive Medicine, 2001, 19, 125-132.	1.1	9
86	Skewed X Inactivation and Recurrent Spontaneous Abortion. Seminars in Reproductive Medicine, 2001, 19, 175-182.	1.1	40
87	Involvement of the X chromosome in non-Hodgkin lymphoma. Genes Chromosomes and Cancer, 2000, 28, 246-257.	2.8	40
88	The causes and consequences of random and nonâ€random X chromosome inactivation in humans. Clinical Genetics, 2000, 58, 353-363.	2.0	120
89	Determination of X-Chromosome Inactivation Status Using X-Linked Expressed Polymorphisms Identified by Database Searching. Genomics, 2000, 65, 9-15.	2.9	28
90	Involvement of the X chromosome in nonâ€Hodgkin lymphoma. Genes Chromosomes and Cancer, 2000, 28, 246-257.	2.8	1

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91	Skewed X-Chromosome Inactivation: Cause or Consequence?. Journal of the National Cancer Institute, 1999, 91, 304-305.	6.3	38
92	Extremely Skewed X-Chromosome Inactivation Is Increased in Women with Recurrent Spontaneous Abortion. American Journal of Human Genetics, 1999, 65, 913-917.	6.2	82
93	Polymorphic X-Chromosome Inactivation of the Human TIMP1 Gene. American Journal of Human Genetics, 1999, 65, 699-708.	6.2	69
94	Induction of XIST expression from the human active X chromosome in mouse/human somatic cell hybrids by DNA demethylation. Nucleic Acids Research, 1998, 26, 2935-2940.	14.5	42
95	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.	5.2	94
96	Skewed X-Chromosome Inactivation Is Common in Fetuses or Newborns Associated with Confined Placental Mosaicism. American Journal of Human Genetics, 1997, 61, 1353-1361.	6.2	114
97	XISTExpression and X-Chromosome Inactivation in Human Preimplantation Embryos. American Journal of Human Genetics, 1997, 61, 5-8.	6.2	15
98	Expression of Genes from the Human Active and Inactive X Chromosomes. American Journal of Human Genetics, 1997, 60, 1333-1343.	6.2	158
99	Evidence that heteronuclear proteins interact with the XIST RNA in vitro. Somatic Cell and Molecular Genetics, 1996, 22, 403-417.	0.7	22
100	Role of the X Chromosome in Cancer. Journal of the National Cancer Institute, 1996, 88, 480-483.	6.3	25
101	Identification of a PIG-A related processed gene on chromosome 12. Human Genetics, 1995, 95, 691-7.	3.8	4
102	The DXS423E gene in Xp11.21 escapes X chromosome inactivation. Human Molecular Genetics, 1995, 4, 251-255.	2.9	44
103	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, 333-343.	2.8	26
104	The human X-inactivation centre is not required for maintenance of X-chromosome inactivation. Nature, 1994, 368, 154-156.	27.8	270
105	Small marker X chromosomes lack the X inactivation center: implications for karyotype/phenotype correlations. American Journal of Human Genetics, 1994, 55, 87-95.	6.2	61
106	Characterization of a small supernumerary ring X chromosome by fluorescence in situ hybridization. American Journal of Medical Genetics Part A, 1993, 47, 1153-1156.	2.4	28
107	Molecular and Genetic Studies of Human X Chromosome Inactivation. Advances in Developmental Biology (1992), 1993, 2, 37-72.	1.1	18
108	Evolutionary conservation of possible functional domains of the human and murine XIST genes. Human Molecular Genetics, 1993, 2, 663-672.	2.9	104

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109	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, 1105-1115.	2.9	57
110	The interleukin-2 receptor Î³ chain maps to Xq13.1 and is mutated in X-linked severe combined immunodeficiency, SCIDX1. Human Molecular Genetics, 1993, 2, 1099-1104.	2.9	295
111	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, 883-887.	2.9	48
112	Epigenetic and Chromosomal Control of Gene Expression: Molecular and Genetic Analysis of X Chromosome Inactivation. Cold Spring Harbor Symposia on Quantitative Biology, 1993, 58, 315-322.	1.1	49
113	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, 527-542.	28.9	1,211
114	Physical mapping of 60 DNA markers in the p21.1 â†' q21.3 region of the human X chromosome. Genomics, 1991, 11, 352-363.	2.9	76
115	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.	3.2	54
116	A gene from the region of the human X inactivation centre is expressed exclusively from the inactive X chromosome. Nature, 1991, 349, 38-44.	27.8	1,357
117	Localization of the X inactivation centre on the human X chromosome in Xq13. Nature, 1991, 349, 82-84.	27.8	369
118	A gene deleted in Kallmann's syndrome shares homology with neural cell adhesion and axonal path-finding molecules. Nature, 1991, 353, 529-536.	27.8	852
119	X chromosome inactivation of the human TIMP gene. Nucleic Acids Research, 1990, 18, 4191-4195.	14.5	56
120	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.	6.2	42
121	Regional localization ofCCG1 gene which complements hamster cell cycle mutation BN462 to Xq11?Xq13. Somatic Cell and Molecular Genetics, 1989, 15, 93-96.	0.7	16
122	Gene on short arm of human X chromosome complements murine tsA1S9 DNA synthesis mutation. Somatic Cell and Molecular Genetics, 1989, 15, 173-178.	0.7	21
123	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.	6.2	45
124	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.	6.2	232
125	Genetic mapping of four DNA markers (DXS16, DXS43, DXS85, and DXS143) from the p22 region of the human X chromosome. Human Genetics, 1988, 80, 296-298.	3.8	8
126	MspI RFLP detected with chromosome-walk clone pXUT23-SE3.2L from DXS16 in Xp22.1â€“22.3. Nucleic Acids Research, 1987, 15, 9614-9614.	14.5	5

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127	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. , 0, .		1