Beth A Sullivan

List of Publications by Year
in descending order

67 papers	7,011 citations	126907 33 h-index	144013 57 g-index
76 all docs	76 docs citations	76 times ranked	5579 citing authors

#	Article	IF	Citations
1	Complete genomic and epigenetic maps of human centromeres. Science, 2022, 376, eabl4178.	12.6	204
2	The complete sequence of a human genome. Science, 2022, 376, 44-53.	12.6	1,222
3	Further Reading | Centromeres. , 2021, , 496-502.		0
4	The new year for chromosome research: a change of guard amidst a shifting scientific landscape and global pandemic. Chromosome Research, 2021, 29, 127-130.	2.2	0
5	Expanding studies of chromosome structure and function in the era of T2T genomics. Human Molecular Genetics, 2021, 30, R198-R205.	2.9	4
6	Genomic and Epigenetic Foundations of Neocentromere Formation. Annual Review of Genetics, 2021, 55, 331-348.	7.6	15
7	Telomere-to-telomere assembly of a complete human X chromosome. Nature, 2020, 585, 79-84.	27.8	549
8	A sampling of methods to study chromosome and genome structure and function. Chromosome Research, 2020, 28, 1-5.	2.2	1
9	De Novo Centromere Formation: Oneâ€™s Company, Twoâ€™s a Crowd. Developmental Cell, 2020, 52, 257-258.	7.0	0
10	Genomic and functional variation of human centromeres. Experimental Cell Research, 2020, 389, 111896.	2.6	22
11	A genetic memory initiates the epigenetic loop necessary to preserve centromere position. EMBO Journal, 2020, 39, e105505.	7.8	26
12	Going the distance: Neocentromeres make long-range contacts with heterochromatin. Journal of Cell Biology, 2019, 218, 5-7.	5.2	0
13	Alpha satellite DNA biology: finding function in the recesses of the genome. Chromosome Research, 2018, 26, 115-138.	2.2	110
14	Î± satellite DNA variation and function of the human centromere. Nucleus, 2017, 8, 331-339.	2.2	47
15	Centromere Silencing Mechanisms. Progress in Molecular and Subcellular Biology, 2017, 56, 233-255.	1.6	6
16	Expanded Satellite Repeats Amplify a Discrete CENP-A Nucleosome Assembly Site on Chromosomes that Drive in Female Meiosis. Current Biology, 2017, 27, 2365-2373.e8.	3.9	149
17	Human Centromeres Produce Chromosome-Specific and Array-Specific Alpha Satellite Transcripts that Are Complexed with CENP-A and CENP-C. Developmental Cell, 2017, 42, 226-240.e6.	7.0	151
18	Hybrid de novo genome assembly and centromere characterization of the gray mouse lemur (Microcebus murinus). BMC Biology, 2017, 15, 110.	3.8	53

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19	RNA-dependent stabilization of SUV39H1 at constitutive heterochromatin. ELife, 2017, 6, .	6.0	124
20	Human centromere repositioning within euchromatin after partial chromosome deletion. Chromosome Research, 2016, 24, 451-466.	2.2	13
21	Genomic variation within alpha satellite DNA influences centromere location on human chromosomes with metastable epialleles. Genome Research, 2016, 26, 1301-1311.	5.5	88
22	Inheritance of the CENP-A chromatin domain is spatially and temporally constrained at human centromeres. Epigenetics and Chromatin, 2016, 9, 20.	3.9	36
23	The Epigenetics of Centromere Function. , 2015, , 133-166.		0
24	Nucleolar Organization, Ribosomal DNA Array Stability, and Acrocentric Chromosome Integrity Are Linked to Telomere Function. PLoS ONE, 2014, 9, e92432.	2.5	24
25	The Past, Present, and Future of Human Centromere Genomics. Genes, 2014, 5, 33-50.	2.4	103
26	Neocentromeres: a place for everything and everything in its place. Trends in Genetics, 2014, 30, 66-74.	6.7	78
27	Esperanto for histones: CENP-A, not CenH3, is the centromeric histone H3 variant. Chromosome Research, 2013, 21, 101-106.	2.2	37
28	Reprogramming to Pluripotency Can Conceal Somatic Cell Chromosomal Instability. PLoS Genetics, 2012, 8, e1002913.	3.5	14
29	Functional epialleles at an endogenous human centromere. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13704-13709.	7.1	72
30	Foreword: the centromere and kinetochore in creatures great and small. Chromosome Research, 2012, 20, 461-463.	2.2	0
31	A Tribute to Simon W.L. Chan, PhD (1974â€“2012). Chromosome Research, 2012, 20, 657-658.	2.2	0
32	Centromeres Poised En Pointe: CDKs Put a Hold on CENP-A Assembly. Developmental Cell, 2012, 22, 1-2.	7.0	10
33	Dicentric chromosomes: unique models to study centromere function and inactivation. Chromosome Research, 2012, 20, 595-605.	2.2	81
34	Histone H3K4 methylation keeps centromeres open for business. EMBO Journal, 2011, 30, 233-234.	7.8	13
35	Genomic size of CENP-A domain is proportional to total alpha satellite array size at human centromeres and expands in cancer cells. Chromosome Research, 2011, 19, 457-470.	2.2	93
36	Loss of nuclear proâ€“IL-16 facilitates cell cycle progression in human cutaneous T cell lymphoma. Journal of Clinical Investigation, 2011, 121, 4838-4849.	8.2	13

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37	Epigenomics of centromere assembly and function. Current Opinion in Cell Biology, 2010, 22, 772-780.	5.4	60
38	Telomere Disruption Results in Non-Random Formation of De Novo Dicentric Chromosomes Involving Acrocentric Human Chromosomes. PLoS Genetics, 2010, 6, e1001061.	3.5	61
39	Optical Mapping of Proteinâ€“DNA Complexes on Chromatin Fibers. Methods in Molecular Biology, 2010, 659, 99-115.	0.9	25
40	hBub1 negatively regulates p53 mediated early cell death upon mitotic checkpoint activation. Cancer Biology and Therapy, 2009, 8, 636-644.	3.4	11
41	MYC Activity Mitigates Response to Rapamycin in Prostate Cancer through Eukaryotic Initiation Factor 4Eâ€“Binding Protein 1â€“Mediated Inhibition of Autophagy. Cancer Research, 2009, 69, 7803-7810.	0.9	68
42	Human gamma-satellite DNA maintains open chromatin structure and protects a transgene from epigenetic silencing. Genome Research, 2009, 19, 533-544.	5.5	67
43	DNMT3B interacts with constitutive centromere protein CENP-C to modulate DNA methylation and the histone code at centromeric regions. Human Molecular Genetics, 2009, 18, 3178-3193.	2.9	132
44	Histone Modifications within the Human X Centromere Region. PLoS ONE, 2009, 4, e6602.	2.5	32
45	The Centromere. , 2009, , 1-32.		1
46	Structural and Functional Dynamics of Human Centromeric Chromatin. Annual Review of Genomics and Human Genetics, 2006, 7, 301-313.	6.2	159
47	Regulation of Mitotic Chromosome Cohesion by Haspin and Aurora B. Developmental Cell, 2006, 11, 741-750.	7.0	199
48	Human centromeric chromatin is a dynamic chromosomal domain that can spread over noncentromeric DNA. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4186-4191.	7.1	128
49	Regulation of nuclear Prointerleukin-16 and p27Kip1 in primary human T lymphocytes. Cellular Immunology, 2005, 237, 17-27.	3.0	14
50	Control of gene expression and assembly of chromosomal subdomains by chromatin regulators with antagonistic functions. Chromosoma, 2005, 114, 242-251.	2.2	26
51	Centromeric chromatin exhibits a histone modification pattern that is distinct from both euchromatin and heterochromatin. Nature Structural and Molecular Biology, 2004, 11, 1076-1083.	8.2	518
52	Centromeres. , 2004, , 367-371.		0
53	Heterochromatic sequences in a Drosophila whole-genome shotgun assembly. Genome Biology, 2002, 3, research0085.1.	9.6	232
54	Conserved Organization of Centromeric Chromatin in Flies and Humans. Developmental Cell, 2002, 2, 319-330.	7.0	493

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55	Centromere round-up at the heterochromatin corral. Trends in Biotechnology, 2002, 20, 89-92.	9.3	15
56	Determining centromere identity: cyclical stories and forking paths. Nature Reviews Genetics, 2001, 2, 584-596.	16.3	260
57	Centromere identity in Drosophila is not determined in vivo by replication timing. Journal of Cell Biology, 2001, 154, 683-690.	5.2	76
58	Unusual chromosome architecture and behaviour at an HSR. Chromosoma, 2000, 109, 181-189.	2.2	3
59	Stable dicentric X chromosomes with two functional centromeres. Nature Genetics, 1998, 20, 227-228.	21.4	127
60	Variegated aneuploidy in two siblings: Phenotype, genotype, CENP-E analysis, and literature review. , 1998, 75, 45-51.		13
61	Characterization of neo-centromeres in marker chromosomes lacking detectable alpha-satellite DNA. Human Molecular Genetics, 1997, 6, 1195-1204.	2.9	151
62	Immunolocalization of CENP-A suggests a distinct nucleosome structure at the inner kinetochore plate of active centromeres. Current Biology, 1997, 7, 901-904.	3.9	334
63	Application of FISH to complex chromosomal rearrangements associated with chronic myelogenous leukemia. Cancer Genetics and Cytogenetics, 1995, 82, 93-99.	1.0	8
64	Identification of centromeric antigens in dicentric Robertsonian translocations: CENP-C and CENP-E are necessary components of functional centromeres. Human Molecular Genetics, 1995, 4, 2189-2197.	2.9	224
65	Analysis of centromeric activity in Robertsonian translocations: implications for a functional acrocentric hierarchy. Chromosoma, 1994, 103, 459-467.	2.2	31
66	Analysis of centromeric activity in Robertsonian translocations: implications for a functional acrocentric hierarchy. Chromosoma, 1994, 103, 459-467.	2.2	4
67	Clarification of subtle reciprocal rearrangements using fluorescence in situ hybridization. American Journal of Medical Genetics Part A, 1993, 47, 223-230.	2.4	19