David C. Page

List of Publications by Citations

158 papers	21,658 citations	78 h-index	147 g-index
174 ext. papers	25,590 ext. citations	19.6 avg, IF	6.81 L-index

#	Paper	IF	Citations
158	The male-specific region of the human Y chromosome is a mosaic of discrete sequence classes. *Nature*, **2003**, 423, 825-37	50.4	1558
157	Diverse spermatogenic defects in humans caused by Y chromosome deletions encompassing a novel RNA-binding protein gene. *Nature Genetics*, **1995**, 10, 383-93	36.3	1035
156	Centromeres and kinetochores: from epigenetics to mitotic checkpoint signaling. *Cell*, **2003**, 112, 407-21	56.2	824
155	Four evolutionary strata on the human X chromosome. *Science*, **1999**, 286, 964-7	33.3	730
154	Retinoic acid regulates sex-specific timing of meiotic initiation in mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 2474-9	11.5	716
153	Functional coherence of the human Y chromosome. *Science*, **1997**, 278, 675-80	33.3	695
152	An abundance of X-linked genes expressed in spermatogonia. *Nature Genetics*, **2001**, 27, 422-6	36.3	642
151	Chromosomal instability drives metastasis through a cytosolic DNA response. *Nature*, **2018**, 553, 467-472	50.4	536
150	The AZFc region of the Y chromosome features massive palindromes and uniform recurrent deletions in infertile men. *Nature Genetics*, **2001**, 29, 279-86	36.3	519
149	Propagation of centromeric chromatin requires exit from mitosis. *Journal of Cell Biology*, **2007**, 176, 795-805	7.9	465
148	Abundant gene conversion between arms of palindromes in human and ape Y chromosomes. *Nature*, **2003**, 423, 873-6	50.4	443
147	Stra8 and its inducer, retinoic acid, regulate meiotic initiation in both spermatogenesis and oogenesis in mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 14976-80	11.5	434
146	Mammalian Y chromosomes retain widely expressed dosage-sensitive regulators. *Nature*, **2014**, 508, 494-9	50.4	406
145	In germ cells of mouse embryonic ovaries, the decision to enter meiosis precedes premeiotic DNA replication. *Nature Genetics*, **2006**, 38, 1430-4	36.3	390
144	Recombination between palindromes P5 and P1 on the human Y chromosome causes massive deletions and spermatogenic failure. *American Journal of Human Genetics*, **2002**, 71, 906-22	11	351
143	Polymorphism for a 1.6-Mb deletion of the human Y chromosome persists through balance between recurrent mutation and haploid selection. *Nature Genetics*, **2003**, 35, 247-51	36.3	339
142	Gain of Toxicity from ALS/FTD-Linked Repeat Expansions in C9ORF72 Is Alleviated by Antisense Oligonucleotides Targeting GGGGCC-Containing RNAs. *Neuron*, **2016**, 90, 535-50	13.9	331

141	An azoospermic man with a de novo point mutation in the Y-chromosomal gene USP9Y. *Nature Genetics*, **1999**, 23, 429-32	36.3	299
140	Chimpanzee and human Y chromosomes are remarkably divergent in structure and gene content. *Nature*, **2010**, 463, 536-9	50.4	286
139	Sexual differentiation of germ cells in XX mouse gonads occurs in an anterior-to-posterior wave. *Developmental Biology*, **2003**, 262, 303-12	3.1	271
138	The mouse X chromosome is enriched for multicopy testis genes showing postmeiotic expression. *Nature Genetics*, **2008**, 40, 794-9	36.3	227
137	Occurrence of a transposition from the X-chromosome long arm to the Y-chromosome short arm during human evolution. *Nature*, **1984**, 311, 119-23	50.4	213
136	Mutant Huntingtin promotes autonomous microglia activation via myeloid lineage-determining factors. *Nature Neuroscience*, **2014**, 17, 513-21	25.5	210
135	High mutation rates have driven extensive structural polymorphism among human Y chromosomes. *Nature Genetics*, **2006**, 38, 463-7	36.3	202
134	Germ cell-intrinsic and -extrinsic factors govern meiotic initiation in mouse embryos. *Science*, **2008**, 322, 1685-7	33.3	201
133	A two-step mechanism for epigenetic specification of centromere identity and function. *Nature Cell Biology*, **2013**, 15, 1056-66	23.4	199
132	Four DAZ genes in two clusters found in the AZFc region of the human Y chromosome. *Genomics*, **2000**, 67, 256-67	4.3	196
131	Sequencing the mouse Y chromosome reveals convergent gene acquisition and amplification on both sex chromosomes. *Cell*, **2014**, 159, 800-13	56.2	192
130	Retroposition of autosomal mRNA yielded testis-specific gene family on human Y chromosome. *Nature Genetics*, **1999**, 21, 429-33	36.3	191
129	Inducible, reversible system for the rapid and complete degradation of proteins in mammalian cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E3350-7	11.5	183
128	Isodicentric Y chromosomes and sex disorders as byproducts of homologous recombination that maintains palindromes. *Cell*, **2009**, 138, 855-69	56.2	182
127	Centrosome Amplification Is Sufficient to Promote Spontaneous Tumorigenesis in Mammals. *Developmental Cell*, **2017**, 40, 313-322.e5	10.2	181
126	Strict evolutionary conservation followed rapid gene loss on human and rhesus Y chromosomes. *Nature*, **2012**, 483, 82-6	50.4	181
125	Cytoplasmic TDP-43 De-mixing Independent of Stress Granules Drives Inhibition of Nuclear Import, Loss of Nuclear TDP-43, and Cell Death. *Neuron*, **2019**, 102, 339-357.e7	13.9	180
124	A physical map of the human Y chromosome. *Nature*, **2001**, 409, 943-5	50.4	179

123	Chromoanagenesis and cancer: mechanisms and consequences of localized, complex chromosomal rearrangements. *Nature Medicine*, **2012**, 18, 1630-8	50.5	176
122	A proposed path by which genes common to mammalian X and Y chromosomes evolve to become X inactivated. *Nature*, **1998**, 394, 776-80	50.4	172
121	Protective effect of neurofilament heavy gene overexpression in motor neuron disease induced by mutant superoxide dismutase. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 9626-30	11.5	171
120	Convergent evolution of chicken Z and human X chromosomes by expansion and gene acquisition. *Nature*, **2010**, 466, 612-6	50.4	168
119	A family of human Y chromosomes has dispersed throughout northern Eurasia despite a 1.8-Mb deletion in the azoospermia factor c region. *Genomics*, **2004**, 83, 1046-52	4.3	166
118	Turner syndrome: the case of the missing sex chromosome. *Trends in Genetics*, **1993**, 9, 90-3	8.5	157
117	Sexually dimorphic gene expression in the developing mouse gonad. *Gene Expression Patterns*, **2002**, 2, 359-67	1.5	156
116	Pathways of spindle pole formation: different mechanisms; conserved components. *Journal of Cell Biology*, **1997**, 138, 953-6	7.3	149
115	The quantitative architecture of centromeric chromatin. *ELife*, **2014**, 3, e02137	8.9	146
114	DNA Sequence-Specific Binding of CENP-B Enhances the Fidelity of Human Centromere Function. *Developmental Cell*, **2015**, 33, 314-27	10.2	143
113	Selective Y centromere inactivation triggers chromosome shattering in micronuclei and repair by non-homologous end joining. *Nature Cell Biology*, **2017**, 19, 68-75	23.4	142
112	Licensing of gametogenesis, dependent on RNA binding protein DAZL, as a gateway to sexual differentiation of fetal germ cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 7443-8	11.5	139
111	Reversing a model of Parkinson's disease with in situ converted nigral neurons. *Nature*, **2020**, 582, 550-556	36.4	131
110	Polyglutamine-Expanded Huntingtin Exacerbates Age-Related Disruption of Nuclear Integrity and Nucleocytoplasmic Transport. *Neuron*, **2017**, 94, 48-57.e4	13.9	129
109	New consensus research on neuropathological aspects of familial amyotrophic lateral sclerosis with superoxide dismutase 1 (SOD1) gene mutations: inclusions containing SOD1 in neurons and astrocytes. *Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders: Official Publication of the World Federation of Neurology, Research Group on Motor Neuron Diseases*, **2000**, 1, 163-84		121
108	Synthetic CRISPR RNA-Cas9-guided genome editing in human cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E7110-7	11.5	120
107	Functional equivalence of human X- and Y-encoded isoforms of ribosomal protein S4 consistent with a role in Turner syndrome. *Nature Genetics*, **1993**, 4, 268-71	36.3	119
106	Gata4 is required for formation of the genital ridge in mice. *PLoS Genetics*, **2013**, 9, e1003629	6	118

105	Muscle expression of mutant androgen receptor accounts for systemic and motor neuron disease phenotypes in spinal and bulbar muscular atrophy. *Neuron*, **2014**, 82, 295-307	13.9	116
104	Translational profiling identifies a cascade of damage initiated in motor neurons and spreading to glia in mutant SOD1-mediated ALS. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E6993-7002	11.5	115
103	ALS/FTD-Linked Mutation in FUS Suppresses Intra-axonal Protein Synthesis and Drives Disease Without Nuclear Loss-of-Function of FUS. *Neuron*, **2018**, 100, 816-830.e7	13.9	114
102	Periodic retinoic acid-STRA8 signaling intersects with periodic germ-cell competencies to regulate spermatogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E2347-56	11.5	113
101	A chromatin-dependent role of the fragile X mental retardation protein FMRP in the DNA damage response. *Cell*, **2014**, 157, 869-81	56.2	113
100	Rebuilding Chromosomes After Catastrophe: Emerging Mechanisms of Chromothripsis. *Trends in Cell Biology*, **2017**, 27, 917-930	18.3	113
99	Reconstructing hominid Y evolution: X-homologous block, created by X-Y transposition, was disrupted by Yp inversion through LINE-LINE recombination. *Human Molecular Genetics*, **1998**, 7, 1-11	5.6	113
98	Independent specialization of the human and mouse X chromosomes for the male germ line. *Nature Genetics*, **2013**, 45, 1083-7	36.3	111
97	TEX11 is mutated in infertile men with azoospermia and regulates genome-wide recombination rates in mouse. *EMBO Molecular Medicine*, **2015**, 7, 1198-210	12	109
96	A set of genes critical to development is epigenetically poised in mouse germ cells from fetal stages through completion of meiosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 16061-6	11.5	106
95	Sex-determining genes on mouse autosomes identified by linkage analysis of C57BL/6J-YPOS sex reversal. *Nature Genetics*, **1996**, 14, 206-9	36.3	102
94	The SARS-CoV-2 nucleocapsid phosphoprotein forms mutually exclusive condensates with RNA and the membrane-associated M protein. *Nature Communications*, **2021**, 12, 502	17.4	101
93	Kinetochore kinesin CENP-E is a processive bi-directional tracker of dynamic microtubule tips. *Nature Cell Biology*, **2013**, 15, 1079-1088	23.4	98
92	Retinoic acid activates two pathways required for meiosis in mice. *PLoS Genetics*, **2014**, 10, e1004541	6	98
91	Molecular mapping of the putative gonadoblastoma locus on the Y chromosome. *Genes Chromosomes and Cancer*, **1995**, 14, 210-4	5	94
90	Avian W and mammalian Y chromosomes convergently retained dosage-sensitive regulators. *Nature Genetics*, **2017**, 49, 387-394	36.3	92
89	C9ORF72 GGGGCC repeat-associated non-AUG translation is upregulated by stress through eIF2 phosphorylation. *Nature Communications*, **2018**, 9, 51	17.4	91
88	Abnormal sperm in mice lacking the Taf7l gene. *Molecular and Cellular Biology*, **2007**, 27, 2582-9	4.8	90

87	TALEN-mediated editing of the mouse Y chromosome. *Nature Biotechnology*, **2013**, 31, 530-2	44.5	89
86	AZFc deletions and spermatogenic failure: a population-based survey of 20,000 Y chromosomes. *American Journal of Human Genetics*, **2012**, 91, 890-6	11	88
85	MYC Is a Major Determinant of Mitotic Cell Fate. *Cancer Cell*, **2015**, 28, 129-40	24.3	85
84	Additional deletion in sex-determining region of human Y chromosome resolves paradox of X,t(Y;22) female. *Nature*, **1990**, 346, 279-81	50.4	83
83	The Biology and Evolution of Mammalian Y Chromosomes. *Annual Review of Genetics*, **2015**, 49, 507-27	14.5	81
82	Macrophage migration inhibitory factor as a chaperone inhibiting accumulation of misfolded SOD1. *Neuron*, **2015**, 86, 218-32	13.9	79
81	The Dazh gene is expressed in male and female embryonic gonads before germ cell sex differentiation. *Biochemical and Biophysical Research Communications*, **1998**, 245, 878-82	3.4	79
80	A human sex-chromosomal gene family expressed in male germ cells and encoding variably charged proteins. *Human Molecular Genetics*, **2000**, 9, 311-9	5.6	77
79	Oocyte differentiation is genetically dissociable from meiosis in mice. *Nature Genetics*, **2013**, 45, 877-83	36.3	75
78	Unexpectedly similar rates of nucleotide substitution found in male and female hominids. *Nature*, **2000**, 406, 622-5	50.4	75
77	Chromosome segregation errors generate a diverse spectrum of simple and complex genomic rearrangements. *Nature Genetics*, **2019**, 51, 705-715	36.3	70
76	Conservation, acquisition, and functional impact of sex-biased gene expression in mammals. *Science* , **2019**, 365,	33.3	67
75	Sequence variants in human neurofilament proteins: absence of linkage to familial amyotrophic lateral sclerosis. *Annals of Neurology*, **1996**, 40, 603-10	9.4	66
74	Chromothripsis drives the evolution of gene amplification in cancer. *Nature*, **2021**, 591, 137-141	50.4	65
73	CENP-A Is Dispensable for Mitotic Centromere Function after Initial Centromere/Kinetochore Assembly. *Cell Reports*, **2016**, 17, 2394-2404	10.6	62
72	Wild type human TDP-43 potentiates ALS-linked mutant TDP-43 driven progressive motor and cortical neuron degeneration with pathological features of ALS. *Acta Neuropathologica Communications*, **2015**, 3, 36	7.3	61
71	Parallel evolution of male germline epigenetic poising and somatic development in animals. *Nature Genetics*, **2016**, 48, 888-94	36.3	60
70	Periodic production of retinoic acid by meiotic and somatic cells coordinates four transitions in mouse spermatogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E10132-E10141	11.5	60

69	A Gene Regulatory Program for Meiotic Prophase in the Fetal Ovary. *PLoS Genetics*, **2015**, 11, e1005531	6	60
68	Advanced glycation endproduct-modified superoxide dismutase-1 (SOD1)-positive inclusions are common to familial amyotrophic lateral sclerosis patients with SOD1 gene mutations and transgenic mice expressing human SOD1 with a G85R mutation. *Acta Neuropathologica*, **2000**, 100, 490-505	14.3	57
67	CRISPR-Cas9 Screens Identify the RNA Helicase DDX3X as a Repressor of C9ORF72 (GGGGCC)n Repeat-Associated Non-AUG Translation. *Neuron*, **2019**, 104, 885-898.e8	13.9	56
66	Centromeres are maintained by fastening CENP-A to DNA and directing an arginine anchor-dependent nucleosome transition. *Nature Communications*, **2017**, 8, 15775	17.4	54
65	Chronic centrosome amplification without tumorigenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E6321-30	11.5	53
64	Sex chromosome-to-autosome transposition events counter Y-chromosome gene loss in mammals. *Genome Biology*, **2015**, 16, 104	18.3	48
63	Quantitative chromatographic estimation of alpha-amino-acids. *Nature*, **1948**, 161, 763	50.4	48
62	Poised chromatin in the mammalian germ line. *Development (Cambridge)*, **2014**, 141, 3619-26	6.6	46
61	Human centromeric CENP-A chromatin is a homotypic, octameric nucleosome at all cell cycle points. *Journal of Cell Biology*, **2017**, 216, 607-621	7.3	44
60	DNA replication acts as an error correction mechanism to maintain centromere identity by restricting CENP-A to centromeres. *Nature Cell Biology*, **2019**, 21, 743-754	23.4	43
59	Mammalian germ cells are determined after PGC colonization of the nascent gonad. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 25677-25687	11.5	41
58	Amplification of a broad transcriptional program by a common factor triggers the meiotic cell cycle in mice. *ELife*, **2019**, 8,	8.9	40
57	Chemically Modified Cpf1-CRISPR RNAs Mediate Efficient Genome Editing in Mammalian Cells. *Molecular Therapy*, **2018**, 26, 1228-1240	11.7	39
56	Evaluation of NADPH oxidases as drug targets in a mouse model of familial amyotrophic lateral sclerosis. *Free Radical Biology and Medicine*, **2016**, 97, 95-108	7.8	39
55	CENP-A Modifications on Ser68 and Lys124 Are Dispensable for Establishment, Maintenance, and Long-Term Function of Human Centromeres. *Developmental Cell*, **2017**, 40, 104-113	10.2	38
54	Rethinking Unconventional Translation in Neurodegeneration. *Cell*, **2017**, 171, 994-1000	56.2	38
53	Gigaxonin controls vimentin organization through a tubulin chaperone-independent pathway. *Human Molecular Genetics*, **2009**, 18, 1384-94	5.6	37
52	Licensing of primordial germ cells for gametogenesis depends on genital ridge signaling. *PLoS Genetics*, **2015**, 11, e1005019	6	36

51	Epidermal development, growth control, and homeostasis in the face of centrosome amplification. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E6311-20	11.5	36
50	Identification of avian W-linked contigs by short-read sequencing. *BMC Genomics*, **2012**, 13, 183	4.5	36
49	Spinal subpial delivery of AAV9 enables widespread gene silencing and blocks motoneuron degeneration in ALS. *Nature Medicine*, **2020**, 26, 118-130	50.5	36
48	Polo-like kinase 4 inhibition: a strategy for cancer therapy?. *Cancer Cell*, **2014**, 26, 151-3	24.3	31
47	Retinoic Acid and Germ Cell Development in the Ovary and Testis. *Biomolecules*, **2019**, 9,	5.9	31
46	Kinetochore-microtubule attachment throughout mitosis potentiated by the elongated stalk of the kinetochore kinesin CENP-E. *Molecular Biology of the Cell*, **2014**, 25, 2272-81	3.5	29
45	Preventing farnesylation of the dynein adaptor Spindly contributes to the mitotic defects caused by farnesyltransferase inhibitors. *Molecular Biology of the Cell*, **2015**, 26, 1845-56	3.5	27
44	Ullrich-Turner syndrome in an XY female fetus with deletion of the sex-determining portion of the Y chromosome. *American Journal of Medical Genetics Part A*, **1989**, 34, 159-62		27
43	Conserved microRNA targeting reveals preexisting gene dosage sensitivities that shaped amniote sex chromosome evolution. *Genome Research*, **2018**, 28, 474-483	9.7	25
42	Senataxin mutations elicit motor neuron degeneration phenotypes and yield TDP-43 mislocalization in ALS4 mice and human patients. *Acta Neuropathologica*, **2018**, 136, 425-443	14.3	25
41	Bimodal activation of BubR1 by Bub3 sustains mitotic checkpoint signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E4185-93	11.5	25
40	CENP-meta, an Essential Kinetochore Kinesin Required for the Maintenance of Metaphase Chromosome Alignment in Drosophila. *Journal of Cell Biology*, **2000**, 150, 1-12	7.3	24
39	GCNA Interacts with Spartan and Topoisomerase II to Regulate Genome Stability. *Developmental Cell*, **2020**, 52, 53-68.e6	10.2	23
38	Excess cholesterol induces mouse egg activation and may cause female infertility. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E4972-80	11.5	21
37	Gene therapy: Gene-editing therapy for neurological disease. *Nature Reviews Neurology*, **2017**, 13, 7-9	15	20
36	The E2 ubiquitin-conjugating enzyme UBE2J1 is required for spermiogenesis in mice. *Journal of Biological Chemistry*, **2014**, 289, 34490-502	5.4	20
35	2003 Curt Stern Award address. On low expectation exceeded; or, the genomic salvation of the Y chromosome. *American Journal of Human Genetics*, **2004**, 74, 399-402	11	20
34	Intergenerational epigenetic inheritance of cancer susceptibility in mammals. *ELife*, **2019**, 8,	8.9	20

33	A mitotic SKAP isoform regulates spindle positioning at astral microtubule plus ends. *Journal of Cell Biology*, **2016**, 213, 315-28	7.3	20
32	MSY Breakpoint Mapper, a database of sequence-tagged sites useful in defining naturally occurring deletions in the human Y chromosome. *Nucleic Acids Research*, **2008**, 36, D809-14	20.1	19
31	Intrachromosomal homologous recombination between inverted amplicons on opposing Y-chromosome arms. *Genomics*, **2013**, 102, 257-64	4.3	18
30	Antisense Drugs Make Sense for Neurological Diseases. *Annual Review of Pharmacology and Toxicology*, **2021**, 61, 831-852	17.9	18
29	Biological Spectrum of Amyotrophic Lateral Sclerosis Prions. *Cold Spring Harbor Perspectives in Medicine*, **2017**, 7,	5.4	16
28	Selection Has Countered High Mutability to Preserve the Ancestral Copy Number of Y Chromosome Amplicons in Diverse Human Lineages. *American Journal of Human Genetics*, **2018**, 103, 261-275	11	15
27	Causes and consequences of micronuclei. *Current Opinion in Cell Biology*, **2021**, 70, 91-99	9	15
26	Isolating mitotic and meiotic germ cells from male mice by developmental synchronization, staging, and sorting. *Developmental Biology*, **2018**, 443, 19-34	3.1	14
25	DAZL mediates a broad translational program regulating expansion and differentiation of spermatogonial progenitors. *ELife*, **2020**, 9,	8.9	14
24	Bidirectional Transcriptional Inhibition as Therapy for ALS/FTD Caused by Repeat Expansion in C9orf72. *Neuron*, **2016**, 92, 1160-1163	13.9	14
23	Locating and Characterizing a Transgene Integration Site by Nanopore Sequencing. *G3: Genes, Genomes, Genetics*, **2019**, 9, 1481-1486	3.2	13
22	Phosphorylation of CENP-A on serine 7 does not control centromere function. *Nature Communications*, **2019**, 10, 175	17.4	12
21	Dosage-sensitive functions in embryonic development drove the survival of genes on sex-specific chromosomes in snakes, birds, and mammals. *Genome Research*, **2021**,	9.7	12
20	CELL BIOLOGY. Disrupted nuclear import-export in neurodegeneration. *Science*, **2016**, 351, 125-6	33.3	11
19	The SARS-CoV-2 Nucleocapsid phosphoprotein forms mutually exclusive condensates with RNA and the membrane-associated M protein **2020**,		10
18	The history of the Y chromosome in man. *Nature Genetics*, **2016**, 48, 588-9	36.3	10
17	Probing Mitotic CENP-E Kinesin with the Tethered Cargo Motion Assay and Laser Tweezers. *Biophysical Journal*, **2018**, 114, 2640-2652	2.9	9
16	Interrogating cell division errors using random and chromosome-specific missegregation approaches. *Cell Cycle*, **2017**, 16, 1252-1258	4.7	9

15	Cost-effective high-throughput single-haplotype iterative mapping and sequencing for complex genomic structures. *Nature Protocols*, **2018**, 13, 787-809	18.8	8
14	Tuning Apoptosis and Neuroinflammation: TBK1 Restrains RIPK1. *Cell*, **2018**, 174, 1339-1341	56.2	8
13	A strategic research alliance: Turner syndrome and sex differences. *American Journal of Medical Genetics, Part C: Seminars in Medical Genetics*, **2019**, 181, 59-67	3.1	7
12	Dynamic and regulated TAF gene expression during mouse embryonic germ cell development. *PLoS Genetics*, **2020**, 16, e1008515	6	6
11	Sequence analysis in reveals pervasiveness of X-Y arms races in mammalian lineages. *Genome Research*, **2020**, 30, 1716-1726	9.7	6
10	Transient genomic instability drives tumorigenesis through accelerated clonal evolution. *Genes and Development*, **2021**, 35, 1093-1108	12.6	6
9	Dosage-sensitive functions in embryonic development drove the survival of genes on sex-specific chromosomes in snakes, birds, and mammals		3
8	Germ cell determination and the developmental origin of germ cell tumors. *Development (Cambridge)*, **2021**, 148,	6.6	3
7	The curious incident of the translational dog that didn₹ bark. *Trends in Cell Biology*, **2015**, 25, 187-9	18.3	2
6	Mitochondrial Isolation and Purification from Mouse Spinal Cord. *Bio-protocol*, **2013**, 3,	0.9	2
5	Conserved microRNA targeting reveals preexisting gene dosage sensitivities that shaped amniote sex chromosome evolution		2
4	Gene expression regulated by RNA stability. *Science*, **2020**, 367, 29	33.3	2
3	SHIMS 3.0: Highly efficient single-haplotype iterative mapping and sequencing using ultra-long nanopore reads		1
2	Large palindromes on the primate X Chromosome are preserved by natural selection. *Genome Research*, **2021**, 31, 1337-1352	9.7	1
1	The histone H3 variant CENP-A localizes to sites of DNA repair induced by laser microirradiation of living cells. *FASEB Journal*, **2008**, 22, 600.3	0.9	