

Kevin M Brick

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6987277/publications.pdf>

Version: 2024-02-01

24
papers

2,145
citations

516710

16
h-index

580821

25
g-index

30
all docs

30
docs citations

30
times ranked

2429
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic recombination is directed away from functional genomic elements in mice. <i>Nature</i> , 2012, 485, 642-645.	27.8	372
2	Genome-wide analysis reveals novel molecular features of mouse recombination hotspots. <i>Nature</i> , 2011, 472, 375-378.	27.8	325
3	Recombination initiation maps of individual human genomes. <i>Science</i> , 2014, 346, 1256442.	12.6	254
4	Mediation of CTCF transcriptional insulation by DEAD-box RNA-binding protein p68 and steroid receptor RNA activator SRA. <i>Genes and Development</i> , 2010, 24, 2543-2555.	5.9	231
5	Re-engineering the zinc fingers of PRDM9 reverses hybrid sterility in mice. <i>Nature</i> , 2016, 530, 171-176.	27.8	194
6	The evolutionary turnover of recombination hot spots contributes to speciation in mice. <i>Genes and Development</i> , 2016, 30, 266-280.	5.9	130
7	Sensitive mapping of recombination hotspots using sequencing-based detection of ssDNA. <i>Genome Research</i> , 2012, 22, 957-965.	5.5	103
8	REC114 Partner ANKRD31 Controls Number, Timing, and Location of Meiotic DNA Breaks. <i>Molecular Cell</i> , 2019, 74, 1053-1068.e8.	9.7	89
9	Extensive sex differences at the initiation of genetic recombination. <i>Nature</i> , 2018, 561, 338-342.	27.8	76
10	Ensuring meiotic DNA break formation in the mouse pseudoautosomal region. <i>Nature</i> , 2020, 582, 426-431.	27.8	73
11	Vezf1 protein binding sites genome-wide are associated with pausing of elongating RNA polymerase II. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2370-2375.	7.1	35
12	Histone methyltransferase PRDM9 is not essential for meiosis in male mice. <i>Genome Research</i> , 2019, 29, 1078-1086.	5.5	34
13	Cell-type-specific genomics reveals histone modification dynamics in mammalian meiosis. <i>Nature Communications</i> , 2019, 10, 3821.	12.8	33
14	Meiotic recombination mirrors patterns of germline replication in mice and humans. <i>Cell</i> , 2021, 184, 4251-4267.e20.	28.9	31
15	Core promoters are predicted by their distinct physicochemical properties in the genome of <i>Plasmodium falciparum</i> . <i>Genome Biology</i> , 2008, 9, R178.	9.6	26
16	Interrogating the Functions of PRDM9 Domains in Meiosis. <i>Genetics</i> , 2018, 209, 475-487.	2.9	23
17	Revisiting the <i>Plasmodium falciparum</i> RIFIN family: from comparative genomics to 3D-model prediction. <i>BMC Genomics</i> , 2009, 10, 445.	2.8	20
18	Analysis of Meiotic Double-Strand Break Initiation in Mammals. <i>Methods in Enzymology</i> , 2018, 601, 391-418.	1.0	19

#	ARTICLE	IF	CITATIONS
19	A novel series of compositionally biased substitution matrices for comparing Plasmodium proteins. BMC Bioinformatics, 2008, 9, 236.	2.6	18
20	Suppression of genetic recombination in the pseudoautosomal region and at subtelomeres in mice with a hypomorphic Spo11 allele. BMC Genomics, 2013, 14, 493.	2.8	17
21	Cataloging Human PRDM9 Allelic Variation Using Long-Read Sequencing Reveals PRDM9 Population Specificity and Two Distinct Groupings of Related Alleles. Frontiers in Cell and Developmental Biology, 2021, 9, 675286.	3.7	13
22	Rat PRDM9 shapes recombination landscapes, duration of meiosis, gametogenesis, and age of fertility. BMC Biology, 2021, 19, 86.	3.8	12
23	After the break: DSB end processing in mouse meiosis. Genes and Development, 2020, 34, 731-732.	5.9	5
24	Genome-wide Analysis Reveals Novel Molecular Features of Mouse Recombination. FASEB Journal, 2011, 25, 882.2.	0.5	1