

Christopher L Baker

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,924
citations

471509

17
h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

2934
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic control of the pluripotency epigenome determines differentiation bias in mouse embryonic stem cells. <i>EMBO Journal</i> , 2022, 41, e109445.	7.8	5
2	Naive Pluripotent Stem Cells Exhibit Phenotypic Variability that Is Driven by Genetic Variation. <i>Cell Stem Cell</i> , 2020, 27, 470-481.e6.	11.1	38
3	Mapping the Effects of Genetic Variation on Chromatin State and Gene Expression Reveals Loci That Control Ground State Pluripotency. <i>Cell Stem Cell</i> , 2020, 27, 459-469.e8.	11.1	31
4	HELLS and PRDM9 form a pioneer complex to open chromatin at meiotic recombination hot spots. <i>Genes and Development</i> , 2020, 34, 398-412.	5.9	51
5	Tissue-Specific <i>Trans</i> Regulation of the Mouse Epigenome. <i>Genetics</i> , 2019, 211, 831-845.	2.9	15
6	Histone methyltransferase PRDM9 is not essential for meiosis in male mice. <i>Genome Research</i> , 2019, 29, 1078-1086.	5.5	34
7	Capturing Totipotent Stem Cells. <i>Cell Stem Cell</i> , 2018, 22, 25-34.	11.1	81
8	The Meiotic Recombination Activator PRDM9 Trimethylates Both H3K36 and H3K4 at Recombination Hotspots In Vivo. <i>PLoS Genetics</i> , 2016, 12, e1006146.	3.5	159
9	Health and population effects of rare gene knockouts in adult humans with related parents. <i>Science</i> , 2016, 352, 474-477.	12.6	272
10	Affinity-seq detects genome-wide PRDM9 binding sites and reveals the impact of prior chromatin modifications on mammalian recombination hotspot usage. <i>Epigenetics and Chromatin</i> , 2015, 8, 31.	3.9	77
11	Multimer Formation Explains Allelic Suppression of PRDM9 Recombination Hotspots. <i>PLoS Genetics</i> , 2015, 11, e1005512.	3.5	47
12	Decoupling circadian clock protein turnover from circadian period determination. <i>Science</i> , 2015, 347, 1257-1277.	12.6	141
13	PRDM9 Drives Evolutionary Erosion of Hotspots in <i>Mus musculus</i> through Haplotype-Specific Initiation of Meiotic Recombination. <i>PLoS Genetics</i> , 2015, 11, e1004916.	3.5	128
14	Nuclear localization of PRDM9 and its role in meiotic chromatin modifications and homologous synapsis. <i>Chromosoma</i> , 2015, 124, 397-415.	2.2	61
15	PRDM9 binding organizes hotspot nucleosomes and limits Holliday junction migration. <i>Genome Research</i> , 2014, 24, 724-732.	5.5	137
16	The circadian clock of <i>Neurospora crassa</i> . <i>FEMS Microbiology Reviews</i> , 2012, 36, 95-110.	8.6	196
17	A Role for Casein Kinase 2 in the Mechanism Underlying Circadian Temperature Compensation. <i>Cell</i> , 2009, 137, 749-760.	28.9	125
18	Quantitative Proteomics Reveals a Dynamic Interactome and Phase-Specific Phosphorylation in the <i>Neurospora</i> Circadian Clock. <i>Molecular Cell</i> , 2009, 34, 354-363.	9.7	186

#	ARTICLE	IF	CITATIONS
19	The Neurospora Checkpoint Kinase 2: A Regulatory Link Between the Circadian and Cell Cycles. Science, 2006, 313, 644-649.	12.6	132