Christopher L Baker

List of Publications by Year
in descending order

19	1,924	471509	794594
papers	citations	17 h-index	19 g-index

25	25	25	2934
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Health and population effects of rare gene knockouts in adult humans with related parents. Science, 2016, 352, 474-477.	12.6	272
2	The circadian clock ofNeurospora crassa. FEMS Microbiology Reviews, 2012, 36, 95-110.	8.6	196
3	Quantitative Proteomics Reveals a Dynamic Interactome and Phase-Specific Phosphorylation in the Neurospora Circadian Clock. Molecular Cell, 2009, 34, 354-363.	9.7	186
4	The Meiotic Recombination Activator PRDM9 Trimethylates Both H3K36 and H3K4 at Recombination Hotspots In Vivo. PLoS Genetics, 2016, 12, e1006146.	3.5	159
5	Decoupling circadian clock protein turnover from circadian period determination. Science, 2015, 347, 1257277.	12.6	141
6	PRDM9 binding organizes hotspot nucleosomes and limits Holliday junction migration. Genome Research, 2014, 24, 724-732.	5.5	137
7	The Neurospora Checkpoint Kinase 2: A Regulatory Link Between the Circadian and Cell Cycles. Science, 2006, 313, 644-649.	12.6	132
8	PRDM9 Drives Evolutionary Erosion of Hotspots in Mus musculus through Haplotype-Specific Initiation of Meiotic Recombination. PLoS Genetics, 2015, 11, e1004916.	3.5	128
9	A Role for Casein Kinase 2 in the Mechanism Underlying Circadian Temperature Compensation. Cell, 2009, 137, 749-760.	28.9	125
10	Capturing Totipotent Stem Cells. Cell Stem Cell, 2018, 22, 25-34.	11.1	81
11	Affinity-seq detects genome-wide PRDM9 binding sites and reveals the impact of prior chromatin modifications on mammalian recombination hotspot usage. Epigenetics and Chromatin, 2015, 8, 31.	3.9	77
12	Nuclear localization of PRDM9 and its role in meiotic chromatin modifications and homologous synapsis. Chromosoma, 2015, 124, 397-415.	2.2	61
13	HELLS and PRDM9 form a pioneer complex to open chromatin at meiotic recombination hot spots. Genes and Development, 2020, 34, 398-412.	5.9	51
14	Multimer Formation Explains Allelic Suppression of PRDM9 Recombination Hotspots. PLoS Genetics, 2015, 11, e1005512.	3.5	47
15	Naive Pluripotent Stem Cells Exhibit Phenotypic Variability that Is Driven by Genetic Variation. Cell Stem Cell, 2020, 27, 470-481.e6.	11.1	38
16	Histone methyltransferase PRDM9 is not essential for meiosis in male mice. Genome Research, 2019, 29, 1078-1086.	5.5	34
17	Mapping the Effects of Genetic Variation on Chromatin State and Gene Expression Reveals Loci That Control Ground State Pluripotency. Cell Stem Cell, 2020, 27, 459-469.e8.	11.1	31
18	Tissue-SpecificTransRegulation of the Mouse Epigenome. Genetics, 2019, 211, 831-845.	2.9	15

#	Article	IF	Citations
19	Genetic control of the pluripotency epigenome determines differentiation bias in mouse embryonic stem cells. EMBO Journal, 2022, 41, e109445.	7.8	5