FrÃ©dÃ©ric Baudat

List of Publications by Year
in descending order

23 papers	4,144 citations	331670 21 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	3564 citing authors

#	Article	IF	Citations
1	PRDM9 activity depends on HELLS and promotes local 5-hydroxymethylcytosine enrichment. ELife, 2020, 9, .	6.0	20
2	Sex chromosome quadrivalents in oocytes of the African pygmy mouse Mus minutoides that harbors non-conventional sex chromosomes. Chromosoma, 2019, 128, 397-411.	2.2	10
3	PRDM9 Methyltransferase Activity Is Essential for Meiotic DNA Double-Strand Break Formation at Its Binding Sites. Molecular Cell, 2018, 69, 853-865.e6.	9.7	110
4	PRDM9, a driver of the genetic map. PLoS Genetics, 2018, 14, e1007479.	3.5	85
5	The PRDM9 KRAB domain is required for meiosis and involved in protein interactions. Chromosoma, 2017, 126, 681-695.	2.2	74
6	Mouse tetrad analysis provides insights into recombination mechanisms and hotspot evolutionary dynamics. Nature Genetics, 2014, 46, 1072-1080.	21.4	110
7	Meiotic recombination in mammals: localization and regulation. Nature Reviews Genetics, 2013, 14, 794-806.	16.3	506
8	Molecular Basis for the Regulation of the H3K4 Methyltransferase Activity of PRDM9. Cell Reports, 2013, 5, 13-20.	6.4	100
9	Dissecting the Structure and Mechanism of a Complex Duplication-Triplication Rearrangement in theDMDGene. Human Mutation, 2013, 34, 1080-1084.	2.5	31
10	RNF212 is a dosage-sensitive regulator of crossing-over during mammalian meiosis. Nature Genetics, 2013, 45, 269-278.	21.4	231
11	Numerical constraints and feedback control of double-strand breaks in mouse meiosis. Genes and Development, 2013, 27, 873-886.	5.9	174
12	Interallelic and Intergenic Incompatibilities of the Prdm9 (Hst1) Gene in Mouse Hybrid Sterility. PLoS Genetics, 2012, 8, e1003044.	3.5	68
13	Mouse PRDM9 DNA-Binding Specificity Determines Sites of Histone H3 Lysine 4 Trimethylation for Initiation of Meiotic Recombination. PLoS Biology, 2011, 9, e1001176.	5.6	187
14	Genome-Wide Control of the Distribution of Meiotic Recombination. PLoS Biology, 2009, 7, e1000035.	5.6	70
15	Distinct Functions of MLH3 at Recombination Hot Spots in the Mouse. Genetics, 2008, 178, 1937-1945.	2.9	56
16	Cis- and Trans-Acting Elements Regulate the Mouse Psmb9 Meiotic Recombination Hotspot. PLoS Genetics, 2007, 3, e100.	3.5	74
17	Regulating double-stranded DNA break repair towards crossover or non-crossover during mammalian meiosis. Chromosome Research, 2007, 15, 565-577.	2.2	185
18	Distinct DNA-damage-dependent and -independent responses drive the loss of oocytes in recombination-defective mouse mutants. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 737-742.	7.1	207

#	Article	IF	Citations
19	Surveillance of Different Recombination Defects in Mouse Spermatocytes Yields Distinct Responses despite Elimination at an Identical Developmental Stage. Molecular and Cellular Biology, 2005, 25, 7203-7215.	2.3	212
20	Crossover and Noncrossover Pathways in Mouse Meiosis. Molecular Cell, 2005, 20, 563-573.	9.7	153
21	Mammalian meiosis involves DNA double-strand breaks with 3â€² overhangs. Chromosoma, 2003, 111, 369-376.	2.2	22
22	Recombinational DNA double-strand breaks in mice precede synapsis. Nature Genetics, 2001, 27, 271-276.	21.4	818
23	Chromosome Synapsis Defects and Sexually Dimorphic Meiotic Progression in Mice Lacking Spo11. Molecular Cell, 2000, 6, 989-998.	9.7	639