

# Frédéric Baudat

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Recombinational DNA double-strand breaks in mice precede synapsis. <i>Nature Genetics</i> , 2001, 27, 271-276.	21.4	818
2	Chromosome Synapsis Defects and Sexually Dimorphic Meiotic Progression in Mice Lacking Spo11. <i>Molecular Cell</i> , 2000, 6, 989-998.	9.7	639
3	Meiotic recombination in mammals: localization and regulation. <i>Nature Reviews Genetics</i> , 2013, 14, 794-806.	16.3	506
4	RNF212 is a dosage-sensitive regulator of crossing-over during mammalian meiosis. <i>Nature Genetics</i> , 2013, 45, 269-278.	21.4	231
5	Surveillance of Different Recombination Defects in Mouse Spermatocytes Yields Distinct Responses despite Elimination at an Identical Developmental Stage. <i>Molecular and Cellular Biology</i> , 2005, 25, 7203-7215.	2.3	212
6	Distinct DNA-damage-dependent and -independent responses drive the loss of oocytes in recombination-defective mouse mutants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 737-742.	7.1	207
7	Mouse PRDM9 DNA-Binding Specificity Determines Sites of Histone H3 Lysine 4 Trimethylation for Initiation of Meiotic Recombination. <i>PLoS Biology</i> , 2011, 9, e1001176.	5.6	187
8	Regulating double-stranded DNA break repair towards crossover or non-crossover during mammalian meiosis. <i>Chromosome Research</i> , 2007, 15, 565-577.	2.2	185
9	Numerical constraints and feedback control of double-strand breaks in mouse meiosis. <i>Genes and Development</i> , 2013, 27, 873-886.	5.9	174
10	Crossover and Noncrossover Pathways in Mouse Meiosis. <i>Molecular Cell</i> , 2005, 20, 563-573.	9.7	153
11	Mouse tetrad analysis provides insights into recombination mechanisms and hotspot evolutionary dynamics. <i>Nature Genetics</i> , 2014, 46, 1072-1080.	21.4	110
12	PRDM9 Methyltransferase Activity Is Essential for Meiotic DNA Double-Strand Break Formation at Its Binding Sites. <i>Molecular Cell</i> , 2018, 69, 853-865.e6.	9.7	110
13	Molecular Basis for the Regulation of the H3K4 Methyltransferase Activity of PRDM9. <i>Cell Reports</i> , 2013, 5, 13-20.	6.4	100
14	PRDM9, a driver of the genetic map. <i>PLoS Genetics</i> , 2018, 14, e1007479.	3.5	85
15	Cis- and Trans-Acting Elements Regulate the Mouse Psmb9 Meiotic Recombination Hotspot. <i>PLoS Genetics</i> , 2007, 3, e100.	3.5	74
16	The PRDM9 KRAB domain is required for meiosis and involved in protein interactions. <i>Chromosoma</i> , 2017, 126, 681-695.	2.2	74
17	Genome-Wide Control of the Distribution of Meiotic Recombination. <i>PLoS Biology</i> , 2009, 7, e1000035.	5.6	70
18	Interallelic and Intergenic Incompatibilities of the Prdm9 (Hst1) Gene in Mouse Hybrid Sterility. <i>PLoS Genetics</i> , 2012, 8, e1003044.	3.5	68

#	ARTICLE	IF	CITATIONS
19	Distinct Functions of MLH3 at Recombination Hot Spots in the Mouse. <i>Genetics</i> , 2008, 178, 1937-1945.	2.9	56
20	Dissecting the Structure and Mechanism of a Complex Duplication-Triplication Rearrangement in the <i>DMD</i> Gene. <i>Human Mutation</i> , 2013, 34, 1080-1084.	2.5	31
21	Mammalian meiosis involves DNA double-strand breaks with 3' overhangs. <i>Chromosoma</i> , 2003, 111, 369-376.	2.2	22
22	PRDM9 activity depends on HELLS and promotes local 5-hydroxymethylcytosine enrichment. <i>ELife</i> , 2020, 9, .	6.0	20
23	Sex chromosome quadrivalents in oocytes of the African pygmy mouse <i>Mus minutoides</i> that harbors non-conventional sex chromosomes. <i>Chromosoma</i> , 2019, 128, 397-411.	2.2	10