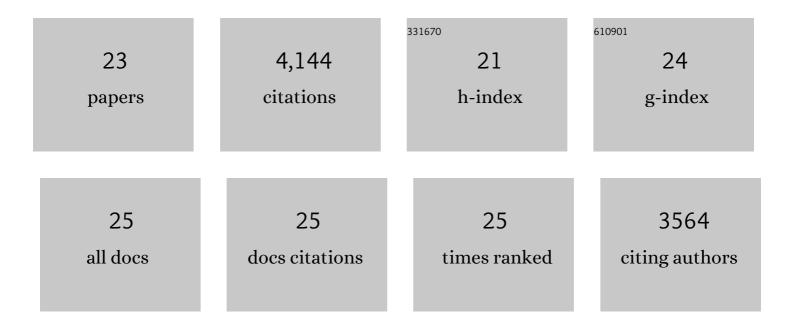
Frédéric Baudat

List of Publications by Year in descending order

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ΕρÃΩΩΑΩΡΙς ΒΑΠΩΑΤ

#	Article	IF	CITATIONS
1	Recombinational DNA double-strand breaks in mice precede synapsis. Nature Genetics, 2001, 27, 271-276.	21.4	818
2	Chromosome Synapsis Defects and Sexually Dimorphic Meiotic Progression in Mice Lacking Spo11. Molecular Cell, 2000, 6, 989-998.	9.7	639
3	Meiotic recombination in mammals: localization and regulation. Nature Reviews Genetics, 2013, 14, 794-806.	16.3	506
4	RNF212 is a dosage-sensitive regulator of crossing-over during mammalian meiosis. Nature Genetics, 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. Molecular and Cellular Biology, 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. Proceedings of the National Academy of Sciences of the United States of America, 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. PLoS Biology, 2011, 9, e1001176.	5.6	187
8	Regulating double-stranded DNA break repair towards crossover or non-crossover during mammalian meiosis. Chromosome Research, 2007, 15, 565-577.	2.2	185
9	Numerical constraints and feedback control of double-strand breaks in mouse meiosis. Genes and Development, 2013, 27, 873-886.	5.9	174
10	Crossover and Noncrossover Pathways in Mouse Meiosis. Molecular Cell, 2005, 20, 563-573.	9.7	153
11	Mouse tetrad analysis provides insights into recombination mechanisms and hotspot evolutionary dynamics. Nature Genetics, 2014, 46, 1072-1080.	21.4	110
12	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
13	Molecular Basis for the Regulation of the H3K4 Methyltransferase Activity of PRDM9. Cell Reports, 2013, 5, 13-20.	6.4	100
14	PRDM9, a driver of the genetic map. PLoS Genetics, 2018, 14, e1007479.	3.5	85
15	Cis- and Trans-Acting Elements Regulate the Mouse Psmb9 Meiotic Recombination Hotspot. PLoS Genetics, 2007, 3, e100.	3.5	74
16	The PRDM9 KRAB domain is required for meiosis and involved in protein interactions. Chromosoma, 2017, 126, 681-695.	2.2	74
17	Genome-Wide Control of the Distribution of Meiotic Recombination. PLoS Biology, 2009, 7, e1000035.	5.6	70
18	Interallelic and Intergenic Incompatibilities of the Prdm9 (Hst1) Gene in Mouse Hybrid Sterility. PLoS Genetics, 2012, 8, e1003044.	3.5	68

#	Article	IF	CITATIONS
19	Distinct Functions of MLH3 at Recombination Hot Spots in the Mouse. Genetics, 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. Human Mutation, 2013, 34, 1080-1084.	2.5	31
21	Mammalian meiosis involves DNA double-strand breaks with 3′ overhangs. Chromosoma, 2003, 111, 369-376.	2.2	22
22	PRDM9 activity depends on HELLS and promotes local 5-hydroxymethylcytosine enrichment. ELife, 2020, 9, .	6.0	20
23	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