

# Bernard de Massy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2849985/publications.pdf>

Version: 2024-02-01

40  
papers

4,255  
citations

201674

27  
h-index

289244

40  
g-index

55  
all docs

55  
docs citations

55  
times ranked

3624  
citing authors

#	ARTICLE	IF	CITATIONS
1	An atypical topoisomerase II from archaea with implications for meiotic recombination. <i>Nature</i> , 1997, 386, 414-417.	27.8	853
2	Meiotic recombination in mammals: localization and regulation. <i>Nature Reviews Genetics</i> , 2013, 14, 794-806.	16.3	506
3	Initiation of Meiotic Recombination: How and Where? Conservation and Specificities Among Eukaryotes. <i>Annual Review of Genetics</i> , 2013, 47, 563-599.	7.6	314
4	Distinct histone modifications define initiation and repair of meiotic recombination in the mouse. <i>EMBO Journal</i> , 2009, 28, 2616-2624.	7.8	195
5	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
6	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
7	Functional conservation of Mei4 for meiotic DNA double-strand break formation from yeasts to mice. <i>Genes and Development</i> , 2010, 24, 1266-1280.	5.9	184
8	Meiotic DNA break formation requires the unsynapsed chromosome axis-binding protein IHO1 (CCDC36) in mice. <i>Nature Cell Biology</i> , 2016, 18, 1208-1220.	10.3	145
9	Transcriptome and translome co-evolution in mammals. <i>Nature</i> , 2020, 588, 642-647.	27.8	122
10	Programmed induction of DNA double strand breaks during meiosis: setting up communication between DNA and the chromosome structure. <i>Current Opinion in Genetics and Development</i> , 2013, 23, 147-155.	3.3	116
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	A new light on the meiotic DSB catalytic complex. <i>Seminars in Cell and Developmental Biology</i> , 2016, 54, 165-176.	5.0	78
16	Cis- and Trans-Acting Elements Regulate the Mouse Psmb9 Meiotic Recombination Hotspot. <i>PLoS Genetics</i> , 2007, 3, e100.	3.5	74
17	The PRDM9 KRAB domain is required for meiosis and involved in protein interactions. <i>Chromosoma</i> , 2017, 126, 681-695.	2.2	74
18	Mouse ANKRD31 Regulates Spatiotemporal Patterning of Meiotic Recombination Initiation and Ensures Recombination between X and Y Sex Chromosomes. <i>Molecular Cell</i> , 2019, 74, 1069-1085.e11.	9.7	74

#	ARTICLE	IF	CITATIONS
19	Mouse REC114 is essential for meiotic DNA double-strand break formation and forms a complex with MEI4. <i>Life Science Alliance</i> , 2018, 1, e201800259.	2.8	74
20	Genome-Wide Control of the Distribution of Meiotic Recombination. <i>PLoS Biology</i> , 2009, 7, e1000035.	5.6	70
21	The Impressionistic Landscape of Meiotic Recombination. <i>Cell</i> , 2011, 147, 267-270.	28.9	69
22	SPO11-Independent DNA Repair Foci and Their Role in Meiotic Silencing. <i>PLoS Genetics</i> , 2013, 9, e1003538.	3.5	69
23	Interallelic and Intergenic Incompatibilities of the Prdm9 (Hst1) Gene in Mouse Hybrid Sterility. <i>PLoS Genetics</i> , 2012, 8, e1003044.	3.5	68
24	In vivo binding of PRDM9 reveals interactions with noncanonical genomic sites. <i>Genome Research</i> , 2017, 27, 580-590.	5.5	67
25	MEI4: a central player in the regulation of meiotic DNA double strand break formation in the mouse. <i>Journal of Cell Science</i> , 2015, 128, 1800-11.	2.0	65
26	Diversity of Prdm9 Zinc Finger Array in Wild Mice Unravels New Facets of the Evolutionary Turnover of this Coding Minisatellite. <i>PLoS ONE</i> , 2014, 9, e85021.	2.5	64
27	Chromosome Organization in Early Meiotic Prophase. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 688878.	3.7	40
28	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
29	Four-pronged negative feedback of DSB machinery in meiotic DNA-break control in mice. <i>Nucleic Acids Research</i> , 2021, 49, 2609-2628.	14.5	26
30	PRDM9 activity depends on HELLS and promotes local 5-hydroxymethylcytosine enrichment. <i>ELife</i> , 2020, 9, .	6.0	20
31	In utero exposure to acetaminophen and ibuprofen leads to intergenerational accelerated reproductive aging in female mice. <i>Communications Biology</i> , 2019, 2, 310.	4.4	18
32	Initiation of Meiotic Recombination in Mammals. <i>Genes</i> , 2010, 1, 521-549.	2.4	15
33	Meiosis: Early DNA Double-Strand Breaks Pave the Way for Inter-Homolog Repair. <i>Developmental Cell</i> , 2015, 32, 663-664.	7.0	8
34	SKAP, an outer kinetochore protein, is required for mouse germ cell development. <i>Reproduction</i> , 2016, 151, 239-251.	2.6	8
35	Coupling crossover and synaptonemal complex in meiosis. <i>Genes and Development</i> , 2022, 36, 4-6.	5.9	8
36	Spp1 Links Sites of Meiotic DNA Double-Strand Breaks to Chromosome Axes. <i>Molecular Cell</i> , 2013, 49, 3-5.	9.7	4

#	ARTICLE	IF	CITATIONS
37	Birth and death of a protein. ELife, 2017, 6, .	6.0	4
38	Reading the epigenetic code for exchanging DNA. ELife, 2020, 9, .	6.0	4
39	Hidden features of human hotspots. Science, 2014, 346, 808-809.	12.6	2
40	Meiosis: To pair and recombine, a sophisticated chromosome dance. Seminars in Cell and Developmental Biology, 2016, 54, 104-105.	5.0	2