ValÃ©rie Borde

List of Publications by Year
in descending order

42	2,943	257450 24	265206 42
papers	citations	h-index	g-index

53	53	53	2069
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Histone H3 lysine 4 trimethylation marks meiotic recombination initiation sites. EMBO Journal, 2009, 28, 99-111.	7.8	329
2	Direct Coupling Between Meiotic DNA Replication and Recombination Initiation. Science, 2000, 290, 806-809.	12.6	231
3	Mapping Meiotic Single-Strand DNA Reveals a New Landscape of DNA Double-Strand Breaks in Saccharomyces cerevisiae. PLoS Biology, 2007, 5, e324.	5.6	202
4	Spp1, a Member of the Set1 Complex, Promotes Meiotic DSB Formation in Promoters by Tethering Histone H3K4 Methylation Sites to Chromosome Axes. Molecular Cell, 2013, 49, 43-54.	9.7	179
5	Association of Mre11p with Double-Strand Break Sites during Yeast Meiosis. Molecular Cell, 2004, 13, 389-401.	9.7	129
6	Genome-Wide Analysis of Heteroduplex DNA in Mismatch Repairâ€“Deficient Yeast Cells Reveals Novel Properties of Meiotic Recombination Pathways. PLoS Genetics, 2011, 7, e1002305.	3.5	128
7	The multiple roles of the Mre11 complex for meiotic recombination. Chromosome Research, 2007, 15, 551-563.	2.2	118
8	Programmed induction of DNA double strand breaks during meiosis: setting up communication between DNA and the chromosome structure. Current Opinion in Genetics and Development, 2013, 23, 147-155.	3.3	116
9	Budding Yeast ATM/ATR Control Meiotic Double-Strand Break (DSB) Levels by Down-Regulating Rec114, an Essential Component of the DSB-machinery. PLoS Genetics, 2013, 9, e1003545.	3.5	115
10	Crossing and zipping: molecular duties of the ZMM proteins in meiosis. Chromosoma, 2019, 128, 181-198.	2.2	114
11	Use of a Recombination Reporter Insert To Define Meiotic Recombination Domains on Chromosome III of Saccharomyces cerevisiae. Molecular and Cellular Biology, 1999, 19, 4832-4842.	2.3	98
12	A meiotic XPFâ€“ERCC1-like complex recognizes joint molecule recombination intermediates to promote crossover formation. Genes and Development, 2018, 32, 283-296.	5.9	98
13	The control of Spo11's interaction with meiotic recombination hotspots. Genes and Development, 2005, 19, 255-269.	5.9	97
14	Chromosome Synapsis Alleviates Mek1-Dependent Suppression of Meiotic DNA Repair. PLoS Biology, 2016, 14, e1002369.	5.6	95
15	Genome-Wide Redistribution of Meiotic Double-Strand Breaks in Saccharomyces cerevisiae. Molecular and Cellular Biology, 2007, 27, 1868-1880.	2.3	90
16	Differential Association of the Conserved SUMO Ligase Zip3 with Meiotic Double-Strand Break Sites Reveals Regional Variations in the Outcome of Meiotic Recombination. PLoS Genetics, 2013, 9, e1003416.	3.5	90
17	Regulation of the MLH1â€“MLH3 endonuclease in meiosis. Nature, 2020, 586, 618-622.	27.8	88
18	Concerted action of the MutLÎ² heterodimer and Mer3 helicase regulates the global extent of meiotic gene conversion. ELife, 2017, 6, .	6.0	67

#	ARTICLE	IF	CITATIONS
19	The spatial regulation of meiotic recombination hotspots: Are all DSB hotspots crossover hotspots?. Experimental Cell Research, 2012, 318, 1347-1352.	2.6	65
20	Gel Electrophoresis Assays for Analyzing DNA Double-Strand Breaks in Saccharomyces cerevisiae at Various Spatial Resolutions. Methods in Molecular Biology, 2009, 557, 117-142.	0.9	49
21	Correlation between premeiotic DNA replication and chromatin transition at yeast recombination initiation sites. Nucleic Acids Research, 2003, 31, 4085-4090.	14.5	45
22	The PHD finger protein Spp1 has distinct functions in the Set1 and the meiotic DSB formation complexes. PLoS Genetics, 2018, 14, e1007223.	3.5	41
23	Interplay between modifications of chromatin and meiotic recombination hotspots. Biology of the Cell, 2012, 104, 51-69.	2.0	35
24	Crossover recombination and synapsis are linked by adjacent regions within the N terminus of the Zip1 synaptonemal complex protein. PLoS Genetics, 2019, 15, e1008201.	3.5	31
25	Genome-wide Expression Profiling, In Vivo DNA Binding Analysis, and Probabilistic Motif Prediction Reveal Novel Abf1 Target Genes during Fermentation, Respiration, and Sporulation in Yeast. Molecular Biology of the Cell, 2008, 19, 2193-2207.	2.1	29
26	Exo1 recruits Cdc5 polo kinase to MutLÎ³ to ensure efficient meiotic crossover formation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30577-30588.	7.1	28
27	Excess Single-Stranded DNA Inhibits Meiotic Double-Strand Break Repair. PLoS Genetics, 2007, 3, e223.	3.5	25
28	Double functions for the Mre11 complex during DNA double-strand break repair and replication. International Journal of Biochemistry and Cell Biology, 2009, 41, 1249-1253.	2.8	23
29	The Zip4 protein directly couples meiotic crossover formation to synaptonemal complex assembly. Genes and Development, 2022, 36, 53-69.	5.9	22
30	Coupling DNA Damage and Repair: an Essential Safeguard during Programmed DNA Double-Strand Breaks?. Trends in Cell Biology, 2020, 30, 87-96.	7.9	20
31	A POLD3/BLM dependent pathway handles DSBs in transcribed chromatin upon excessive RNA:DNA hybrid accumulation. Nature Communications, 2022, 13, 2012.	12.8	20
32	Genetic evidence for the involvement of mismatch repair proteins, PMS2 and MLH3, in a late step of homologous recombination. Journal of Biological Chemistry, 2020, 295, 17460-17475.	3.4	18
33	Molecular basis of the dual role of the Mlh1-Mlh3 endonuclease in MMR and in meiotic crossover formation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	18
34	The Pif1 helicase is actively inhibited during meiotic recombination which restrains gene conversion tract length. Nucleic Acids Research, 2021, 49, 4522-4533.	14.5	16
35	The mapping of DNA topoisomerase sites in vivo: A tool to enlight the functions of topoisomerases. Biochimie, 1998, 80, 223-233.	2.6	14
36	The CAF-1 and Hir Histone Chaperones Associate with Sites of Meiotic Double-Strand Breaks in Budding Yeast. PLoS ONE, 2015, 10, e0125965.	2.5	13

#	ARTICLE	IF	CITATIONS
37	A Timeless but Timely Connection between Replication and Recombination. Cell, 2014, 158, 697-698.	28.9	9
38	Meiosis: Early DNA Double-Strand Breaks Pave the Way for Inter-Homolog Repair. Developmental Cell, 2015, 32, 663-664.	7.0	8
39	Methods to Map Meiotic Recombination Proteins in Saccharomyces cerevisiae. Methods in Molecular Biology, 2021, 2153, 295-306.	0.9	7
40	DNA topoisomerase II sites in the histone H4 gene during the highly synchronous cell cycle of Physarum polycephalum [published erratum appears in Nucleic Acids Res 1998 Oct 15;26(20):following 4789]. Nucleic Acids Research, 1998, 26, 2042-2049.	14.5	6
41	Special issue on â€œrecent advances in meiosis from DNA replication to chromosome segregationâ€• Chromosoma, 2019, 128, 177-180.	2.2	0
42	RÃ©plication et recombinaison vont de pair pendant la mÃ©iose.. Medecine/Sciences, 2001, 17, 482.	0.2	0