FrÃ©dÃ©ric Bantignies

List of Publications by Year
in descending order

23 papers	4,795 citations	471509 17 h-index	713466 21 g-index
31 all docs	31 docs citations	31 times ranked	5116 citing authors

#	Article	IF	Citations
1	Three-Dimensional Folding and Functional Organization Principles of the Drosophila Genome. Cell, 2012, 148, 458-472.	28.9	1,728
2	Principles of genome folding into topologically associating domains. Science Advances, 2019, 5, eaaw1668.	10.3	415
3	Polycomb-Dependent Regulatory Contacts between Distant Hox Loci in Drosophila. Cell, 2011, 144, 214-226.	28.9	374
4	Single-molecule super-resolution imaging of chromosomes and in situ haplotype visualization using Oligopaint FISH probes. Nature Communications, 2015, 6, 7147.	12.8	329
5	RNAi Components Are Required for Nuclear Clustering of Polycomb Group Response Elements. Cell, 2006, 124, 957-971.	28.9	288
6	Polycomb response elements mediate the formation of chromosome higher-order structures in the bithorax complex. Nature Cell Biology, 2007, 9, 1167-1174.	10.3	262
7	TADs are 3D structural units of higher-order chromosome organization in Drosophila. Science Advances, 2018, 4, eaar8082.	10.3	237
8	Inheritance of Polycomb-dependent chromosomal interactions in Drosophila. Genes and Development, 2003, 17, 2406-2420.	5.9	221
9	Single-cell absolute contact probability detection reveals chromosomes are organized by multiple low-frequency yet specific interactions. Nature Communications, 2017, 8, 1753.	12.8	137
10	Regulation of single-cell genome organization into TADs and chromatin nanodomains. Nature Genetics, 2020, 52, 1151-1157.	21.4	127
11	Genomic interactions: Chromatin loops and gene meeting points in transcriptional regulation. Seminars in Cell and Developmental Biology, 2009, 20, 849-855.	5.0	123
12	Cellular memory and dynamic regulation of polycomb group proteins. Current Opinion in Cell Biology, 2006, 18, 275-283.	5.4	122
13	Polycomb group proteins: repression in 3D. Trends in Genetics, 2011, 27, 454-464.	6.7	112
14	4D Genome Rewiring during Oncogene-Induced and Replicative Senescence. Molecular Cell, 2020, 78, 522-538.e9.	9.7	107
15	Stable Polycomb-dependent transgenerational inheritance of chromatin states in Drosophila. Nature Genetics, 2017, 49, 876-886.	21.4	81
16	Polycomb group-dependent Cyclin A repression in Drosophila. Genes and Development, 2006, 20, 501-513.	5.9	52
17	Higher-Order Chromosomal Structures Mediate Genome Function. Journal of Molecular Biology, 2020, 432, 676-681.	4.2	37
18	Topological Organization of Drosophila Hox Genes Using DNA Fluorescent In Situ Hybridization. Methods in Molecular Biology, 2014, 1196, 103-120.	0.9	17

#	Article	IF	Citations
19	Polycomb group-mediated gene silencing mechanisms: stability versus flexibility. Epigenomics, 2009, 1, 301-318.	2.1	5
20	A shared ancient enhancer element differentially regulates the bric-a-brac tandem gene duplicates in the developing Drosophila leg. PLoS Genetics, 2022, 18, e1010083.	3.5	5
21	Higher-Order Chromatin Organization Using 3D DNA Fluorescent In Situ Hybridization. Methods in Molecular Biology, 2021, 2157, 221-237.	0.9	4
22	In Vivo Models to Address the Function of Polycomb Group Proteins. Methods in Molecular Biology, 2016, 1480, 265-267.	0.9	0
23	Chromosome Conformation Capture on Chip (4C): Data Processing. Methods in Molecular Biology, 2016, 1480, 243-261.	0.9	0