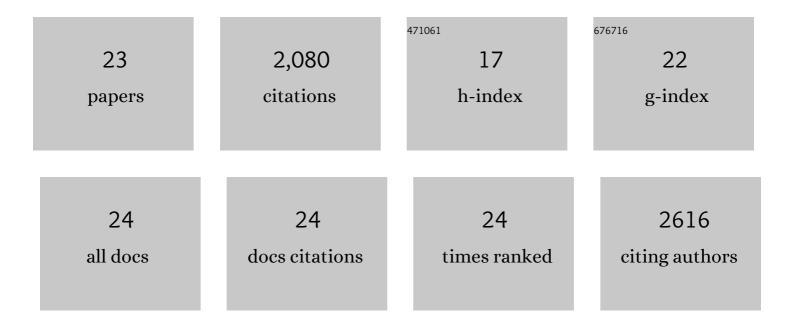
Axel Cournac

List of Publications by Year in descending order

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AVEL COLIDNAC

#	Article	IF	CITATIONS
1	Normalization of Chromosome Contact Maps: Matrix Balancing and Visualization. Methods in Molecular Biology, 2022, 2301, 1-15.	0.4	6
2	Crosstalk between Hepatitis B Virus and the 3D Genome Structure. Viruses, 2022, 14, 445.	1.5	6
3	Computer vision for pattern detection in chromosome contact maps. Nature Communications, 2020, 11, 5795.	5.8	64
4	Regulation of Cohesin-Mediated Chromosome Folding by Eco1 and Other Partners. Molecular Cell, 2020, 77, 1279-1293.e4.	4.5	80
5	FACT mediates cohesin function on chromatin. Nature Structural and Molecular Biology, 2019, 26, 970-979.	3.6	43
6	Multiscale Structuring of the E.Âcoli Chromosome by Nucleoid-Associated and Condensin Proteins. Cell, 2018, 172, 771-783.e18.	13.5	285
7	High-salt–recovered sequences are associated with the active chromosomal compartment and with large ribonucleoprotein complexes including nuclear bodies. Genome Research, 2018, 28, 1733-1746.	2.4	11
8	Tridimensional infiltration of DNA viruses into the host genome shows preferential contact with active chromatin. Nature Communications, 2018, 9, 4268.	5.8	51
9	Scaffolding bacterial genomes and probing host-virus interactions in gut microbiome by proximity ligation (chromosome capture) assay. Science Advances, 2017, 3, e1602105.	4.7	110
10	Evidence for actin dual role in regulating chromosome organization and dynamics in yeast. Journal of Cell Science, 2016, 129, 681-92.	1.2	73
11	The 3D folding of metazoan genomes correlates with the association of similar repetitive elements. Nucleic Acids Research, 2016, 44, 245-255.	6.5	90
12	Generation and Analysis of Chromosomal Contact Maps of Yeast Species. Methods in Molecular Biology, 2016, 1361, 227-245.	0.4	16
13	Genome-wide replication landscape of Candida glabrata. BMC Biology, 2015, 13, 69.	1.7	16
14	Spatial reorganization of telomeres in long-lived quiescent cells. Genome Biology, 2015, 16, 206.	3.8	75
15	Condensin- and Replication-Mediated Bacterial Chromosome Folding and Origin Condensation Revealed by Hi-C and Super-resolution Imaging. Molecular Cell, 2015, 59, 588-602.	4.5	245
16	High-quality genome (re)assembly using chromosomal contact data. Nature Communications, 2014, 5, 5695.	5.8	142
17	Filling annotation gaps in yeast genomes using genome-wide contact maps. Bioinformatics, 2014, 30, 2105-2113.	1.8	36
18	3D genome reconstruction from chromosomal contacts. Nature Methods, 2014, 11, 1141-1143.	9.0	254

AXEL COURNAC

#	Article	IF	CITATIONS
19	Metagenomic chromosome conformation capture (meta3C) unveils the diversity of chromosome organization in microorganisms. ELife, 2014, 3, e03318.	2.8	154
20	DNA Looping in Prokaryotes: Experimental and Theoretical Approaches. Journal of Bacteriology, 2013, 195, 1109-1119.	1.0	72
21	Normalization of a chromosomal contact map. BMC Genomics, 2012, 13, 436.	1.2	190
22	Electrostatics of DNA compaction in viruses, bacteria and eukaryotes: functional insights and evolutionary perspective. Soft Matter, 2012, 8, 9285.	1.2	54
23	Functional Partition of a Bacterial Chromosome Through the Interplay of Nucleoid Associated Proteins and Condensin. SSRN Electronic Journal, 0, , .	0.4	1