

Axel Cournac

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8867456/publications.pdf>

Version: 2024-02-01

23
papers

2,080
citations

471061

17
h-index

676716

22
g-index

24
all docs

24
docs citations

24
times ranked

2616
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale Structuring of the E.Âcoli Chromosome by Nucleoid-Associated and Condensin Proteins. <i>Cell</i> , 2018, 172, 771-783.e18.	13.5	285
2	3D genome reconstruction from chromosomal contacts. <i>Nature Methods</i> , 2014, 11, 1141-1143.	9.0	254
3	Condensin- and Replication-Mediated Bacterial Chromosome Folding and Origin Condensation Revealed by Hi-C and Super-resolution Imaging. <i>Molecular Cell</i> , 2015, 59, 588-602.	4.5	245
4	Normalization of a chromosomal contact map. <i>BMC Genomics</i> , 2012, 13, 436.	1.2	190
5	Metagenomic chromosome conformation capture (meta3C) unveils the diversity of chromosome organization in microorganisms. <i>ELife</i> , 2014, 3, e03318.	2.8	154
6	High-quality genome (re)assembly using chromosomal contact data. <i>Nature Communications</i> , 2014, 5, 5695.	5.8	142
7	Scaffolding bacterial genomes and probing host-virus interactions in gut microbiome by proximity ligation (chromosome capture) assay. <i>Science Advances</i> , 2017, 3, e1602105.	4.7	110
8	The 3D folding of metazoan genomes correlates with the association of similar repetitive elements. <i>Nucleic Acids Research</i> , 2016, 44, 245-255.	6.5	90
9	Regulation of Cohesin-Mediated Chromosome Folding by Eco1 and Other Partners. <i>Molecular Cell</i> , 2020, 77, 1279-1293.e4.	4.5	80
10	Spatial reorganization of telomeres in long-lived quiescent cells. <i>Genome Biology</i> , 2015, 16, 206.	3.8	75
11	Evidence for actin dual role in regulating chromosome organization and dynamics in yeast. <i>Journal of Cell Science</i> , 2016, 129, 681-92.	1.2	73
12	DNA Looping in Prokaryotes: Experimental and Theoretical Approaches. <i>Journal of Bacteriology</i> , 2013, 195, 1109-1119.	1.0	72
13	Computer vision for pattern detection in chromosome contact maps. <i>Nature Communications</i> , 2020, 11, 5795.	5.8	64
14	Electrostatics of DNA compaction in viruses, bacteria and eukaryotes: functional insights and evolutionary perspective. <i>Soft Matter</i> , 2012, 8, 9285.	1.2	54
15	Tridimensional infiltration of DNA viruses into the host genome shows preferential contact with active chromatin. <i>Nature Communications</i> , 2018, 9, 4268.	5.8	51
16	FACT mediates cohesin function on chromatin. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 970-979.	3.6	43
17	Filling annotation gaps in yeast genomes using genome-wide contact maps. <i>Bioinformatics</i> , 2014, 30, 2105-2113.	1.8	36
18	Genome-wide replication landscape of <i>Candida glabrata</i> . <i>BMC Biology</i> , 2015, 13, 69.	1.7	16

#	ARTICLE	IF	CITATIONS
19	Generation and Analysis of Chromosomal Contact Maps of Yeast Species. <i>Methods in Molecular Biology</i> , 2016, 1361, 227-245.	0.4	16
20	High-salt“recovered sequences are associated with the active chromosomal compartment and with large ribonucleoprotein complexes including nuclear bodies. <i>Genome Research</i> , 2018, 28, 1733-1746.	2.4	11
21	Normalization of Chromosome Contact Maps: Matrix Balancing and Visualization. <i>Methods in Molecular Biology</i> , 2022, 2301, 1-15.	0.4	6
22	Crosstalk between Hepatitis B Virus and the 3D Genome Structure. <i>Viruses</i> , 2022, 14, 445.	1.5	6
23	Functional Partition of a Bacterial Chromosome Through the Interplay of Nucleoid Associated Proteins and Condensin. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1