

Frank BÃ¼rgermann

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,445
citations

759055

12
h-index

996849

15
g-index

20
all docs

20
docs citations

20
times ranked

1338
citing authors

#	ARTICLE	IF	CITATIONS
1	Closing the cohesin ring: Structure and function of its Smc3-kleisin interface. <i>Science</i> , 2014, 346, 963-967.	6.0	255
2	The actin homologue MreB organizes the bacterial cell membrane. <i>Nature Communications</i> , 2014, 5, 3442.	5.8	223
3	Structure of Full-Length SMC and Rearrangements Required for Chromosome Organization. <i>Molecular Cell</i> , 2017, 67, 334-347.e5.	4.5	151
4	SMC condensin entraps chromosomal DNA by an ATP hydrolysis dependent loading mechanism in <i>Bacillus subtilis</i> . <i>ELife</i> , 2015, 4, .	2.8	130
5	Molecular Basis for SMC Rod Formation and Its Dissolution upon DNA Binding. <i>Molecular Cell</i> , 2015, 57, 290-303.	4.5	126
6	A folded conformation of MukBEF and cohesin. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 227-236.	3.6	121
7	An asymmetric SMC-kleisin bridge in prokaryotic condensin. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 371-379.	3.6	119
8	Control of Smc Coiled Coil Architecture by the ATPase Heads Facilitates Targeting to Chromosomal ParB/parS and Release onto Flanking DNA. <i>Cell Reports</i> , 2016, 14, 2003-2016.	2.9	80
9	A bacterial dynamin-like protein mediating nucleotide-independent membrane fusion. <i>Molecular Microbiology</i> , 2011, 79, 1294-1304.	1.2	68
10	Tuned SMC Arms Drive Chromosomal Loading of Prokaryotic Condensin. <i>Molecular Cell</i> , 2017, 65, 861-872.e9.	4.5	55
11	Cryo-EM structure of MukBEF reveals DNA loop entrapment at chromosomal unloading sites. <i>Molecular Cell</i> , 2021, 81, 4891-4906.e8.	4.5	49
12	SMC condensin: promoting cohesion of replicon arms. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 653-655.	3.6	23
13	Identification of interaction partners of the dynamin-like protein DynA from <i>Bacillus subtilis</i> . <i>Communicative and Integrative Biology</i> , 2012, 5, 362-369.	0.6	9
14	Phospho-regulation of the Shugoshin - Condensin interaction at the centromere in budding yeast. <i>PLoS Genetics</i> , 2020, 16, e1008569.	1.5	9
15	High-Throughput Allelic Replacement Screening in <i>Bacillus subtilis</i> . <i>Methods in Molecular Biology</i> , 2019, 2004, 49-61.	0.4	7