

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 | 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 |
| 2 | Phospho-regulation of the Shugoshin - Condensin interaction at the centromere in budding yeast. <i>PLoS Genetics</i> , 2020, 16, e1008569. | 1.5 | 9 |
| 3 | High-Throughput Allelic Replacement Screening in <i>Bacillus subtilis</i> . <i>Methods in Molecular Biology</i> , 2019, 2004, 49-61. | 0.4 | 7 |
| 4 | A folded conformation of MukBEF and cohesin. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 227-236. | 3.6 | 121 |
| 5 | Tuned SMC Arms Drive Chromosomal Loading of Prokaryotic Condensin. <i>Molecular Cell</i> , 2017, 65, 861-872.e9. | 4.5 | 55 |
| 6 | Structure of Full-Length SMC and Rearrangements Required for Chromosome Organization. <i>Molecular Cell</i> , 2017, 67, 334-347.e5. | 4.5 | 151 |
| 7 | 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 |
| 8 | Molecular Basis for SMC Rod Formation and Its Dissolution upon DNA Binding. <i>Molecular Cell</i> , 2015, 57, 290-303. | 4.5 | 126 |
| 9 | SMC condensin: promoting cohesion of replicon arms. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 653-655. | 3.6 | 23 |
| 10 | 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 |
| 11 | The actin homologue MreB organizes the bacterial cell membrane. <i>Nature Communications</i> , 2014, 5, 3442. | 5.8 | 223 |
| 12 | Closing the cohesin ring: Structure and function of its SMC3-kleisin interface. <i>Science</i> , 2014, 346, 963-967. | 6.0 | 255 |
| 13 | An asymmetric SMC-kleisin bridge in prokaryotic condensin. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 371-379. | 3.6 | 119 |
| 14 | 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 |
| 15 | A bacterial dynamin-like protein mediating nucleotide-independent membrane fusion. <i>Molecular Microbiology</i> , 2011, 79, 1294-1304. | 1.2 | 68 |