

Christian HÃ¸ring

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

5,915
citations

172386

29
h-index

315616

38
g-index

49
all docs

49
docs citations

49
times ranked

4984
citing authors

#	ARTICLE	IF	CITATIONS
1	Two independent modes of chromatin organization revealed by cohesin removal. <i>Nature</i> , 2017, 551, 51-56.	13.7	935
2	Cohesin: Its Roles and Mechanisms. <i>Annual Review of Genetics</i> , 2009, 43, 525-558.	3.2	869
3	Molecular Architecture of SMC Proteins and the Yeast Cohesin Complex. <i>Molecular Cell</i> , 2002, 9, 773-788.	4.5	649
4	Real-time imaging of DNA loop extrusion by condensin. <i>Science</i> , 2018, 360, 102-105.	6.0	624
5	The cohesin ring concatenates sister DNA molecules. <i>Nature</i> , 2008, 454, 297-301.	13.7	434
6	Structure and Stability of Cohesin's Smc1-Kleisin Interaction. <i>Molecular Cell</i> , 2004, 15, 951-964.	4.5	289
7	The condensin complex is a mechanochemical motor that translocates along DNA. <i>Science</i> , 2017, 358, 672-676.	6.0	266
8	Condensin structures chromosomal DNA through topological links. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 894-901.	3.6	186
9	Towards a Unified Model of SMC Complex Function. <i>Current Biology</i> , 2018, 28, R1266-R1281.	1.8	171
10	Structural Basis for a Safety-Belt Mechanism That Anchors Condensin to Chromosomes. <i>Cell</i> , 2017, 171, 588-600.e24.	13.5	144
11	DNA-loop extruding condensin complexes can traverse one another. <i>Nature</i> , 2020, 579, 438-442.	13.7	108
12	Association of condensin with chromosomes depends on DNA binding by its HEAT-repeat subunits. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 560-568.	3.6	100
13	Cryo-EM structures of holo condensin reveal a subunit flip-flop mechanism. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 743-751.	3.6	90
14	Shaping mitotic chromosomes: From classical concepts to molecular mechanisms. <i>BioEssays</i> , 2015, 37, 755-766.	1.2	82
15	Condensin Smc2-Smc4 Dimers Are Flexible and Dynamic. <i>Cell Reports</i> , 2016, 14, 1813-1818.	2.9	79
16	Real-time detection of condensin-driven <sc>DNA</sc> compaction reveals a multistep binding mechanism. <i>EMBO Journal</i> , 2017, 36, 3448-3457.	3.5	71
17	Structural basis for Scc3-dependent cohesin recruitment to chromatin. <i>ELife</i> , 2018, 7, .	2.8	69
18	Structural Basis of an Asymmetric Condensin ATPase Cycle. <i>Molecular Cell</i> , 2019, 74, 1175-1188.e9.	4.5	68

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19	Quantitative Analysis of Chromosome Condensation in Fission Yeast. <i>Molecular and Cellular Biology</i> , 2013, 33, 984-998.	1.1	63
20	The condensin holocomplex cycles dynamically between open and collapsed states. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 1134-1141.	3.6	59
21	Deciphering condensin action during chromosome segregation. <i>Trends in Cell Biology</i> , 2011, 21, 552-559.	3.6	58
22	Nucleosome eviction in mitosis assists condensin loading and chromosome condensation. <i>EMBO Journal</i> , 2016, 35, 1565-1581.	3.5	53
23	A hold-and-feed mechanism drives directional DNA loop extrusion by condensin. <i>Science</i> , 2022, 376, 1087-1094.	6.0	51
24	Integration of biological data by kernels on graph nodes allows prediction of new genes involved in mitotic chromosome condensation. <i>Molecular Biology of the Cell</i> , 2014, 25, 2522-2536.	0.9	44
25	SnapShot: SMC Protein Complexes Part I. <i>Cell</i> , 2016, 164, 326-326.e1.	13.5	44
26	Structure of the Pds5-Scc1 Complex and Implications for Cohesin Function. <i>Cell Reports</i> , 2016, 14, 2116-2126.	2.9	44
27	Entrapment of Chromosomes by Condensin Rings Prevents Their Breakage during Cytokinesis. <i>Developmental Cell</i> , 2013, 27, 469-478.	3.1	40
28	Distinct Roles for Condensin's Two ATPase Sites in Chromosome Condensation. <i>Molecular Cell</i> , 2019, 76, 724-737.e5.	4.5	39
29	Condensin: crafting the chromosome landscape. <i>Chromosoma</i> , 2013, 122, 175-190.	1.0	34
30	Cohesin in determining chromosome architecture. <i>Experimental Cell Research</i> , 2012, 318, 1386-1393.	1.2	33
31	Condensin controls cellular RNA levels through the accurate segregation of chromosomes instead of directly regulating transcription. <i>ELife</i> , 2018, 7, .	2.8	24
32	Structural insights into DNA loop extrusion by SMC protein complexes. <i>Current Opinion in Structural Biology</i> , 2020, 65, 102-109.	2.6	18
33	Control of chromosome interactions by condensin complexes. <i>Current Opinion in Cell Biology</i> , 2015, 34, 94-100.	2.6	13
34	Solution structure and flexibility of the condensin HEAT-repeat subunit Ycg1. <i>Journal of Biological Chemistry</i> , 2019, 294, 13822-13829.	1.6	9
35	Foreword: the many fascinating functions of SMC protein complexes. <i>Chromosome Research</i> , 2009, 17, 127-129.	1.0	3
36	Control of mitotic chromosome condensation by the fission yeast transcription factor Zas1. <i>Journal of Cell Biology</i> , 2018, 217, 2383-2401.	2.3	3

#	ARTICLE	IF	CITATIONS
37	A Protocol for Measuring Mitotic Chromosome Condensation Quantitatively in Fission Yeast Cells. <i>Methods in Molecular Biology</i> , 2017, 1515, 245-255.	0.4	1
38	Twist to disentangle. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 252-253.	3.6	1
39	Condensin Engages Chromatin. <i>ChemBioChem</i> , 2011, 12, 2399-2401.	1.3	0