

Itay Onn

List of Publications by Year in descending order

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26
papers

1,212
citations

567281

15
h-index

580821

25
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26
all docs

26
docs citations

26
times ranked

1372
citing authors

#	ARTICLE	IF	CITATIONS
1	A Molecular Determinant for the Establishment of Sister Chromatid Cohesion. <i>Science</i> , 2008, 321, 566-569.	12.6	414
2	Sister Chromatid Cohesion: A Simple Concept with a Complex Reality. <i>Annual Review of Cell and Developmental Biology</i> , 2008, 24, 105-129.	9.4	295
3	Reconstitution and subunit geometry of human condensin complexes. <i>EMBO Journal</i> , 2007, 26, 1024-1034.	7.8	85
4	Redox Potential Regulates Binding of Universal Minicircle Sequence Binding Protein at the Kinetoplast DNA Replication Origin. <i>Eukaryotic Cell</i> , 2004, 3, 277-287.	3.4	57
5	A Conserved Domain in the Scc3 Subunit of Cohesin Mediates the Interaction with Both Mcd1 and the Cohesin Loader Complex. <i>PLoS Genetics</i> , 2015, 11, e1005036.	3.5	49
6	Genetic Evidence that the Acetylation of the Smc3p Subunit of Cohesin Modulates Its ATP-Bound State to Promote Cohesion Establishment in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2010, 185, 1249-1256.	2.9	32
7	Assigning functions to genes: identification of S-phase expressed genes in <i>Leishmania major</i> based on post-transcriptional control elements. <i>Nucleic Acids Research</i> , 2005, 33, 4235-4242.	14.5	29
8	Binding of the Universal Minicircle Sequence Binding Protein at the Kinetoplast DNA Replication Origin*. <i>Journal of Biological Chemistry</i> , 2006, 281, 37468-37476.	3.4	25
9	A new twist in the coil: functions of the coiled-coil domain of structural maintenance of chromosome (SMC) proteins. <i>Current Genetics</i> , 2018, 64, 109-116.	1.7	24
10	In vitro assembly of physiological cohesin/DNA complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12198-12205.	7.1	23
11	The emerging roles for the chromatin structure regulators CTCF and cohesin in neurodevelopment and behavior. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 1205-1214.	5.4	23
12	DNA motif associated with meiotic double-strand break regions in <i>Saccharomyces cerevisiae</i> . <i>EMBO Reports</i> , 2000, 1, 232-238.	4.5	21
13	The zinc finger of Eco1 enhances its acetyltransferase activity during sister chromatid cohesion. <i>Nucleic Acids Research</i> , 2009, 37, 6126-6134.	14.5	20
14	Monomeric cohesin state revealed by live-cell single-molecule spectroscopy. <i>EMBO Reports</i> , 2020, 21, e48211.	4.5	20
15	The chromatin remodeler Chd1 regulates cohesin in budding yeast and humans. <i>Scientific Reports</i> , 2019, 9, 8929.	3.3	18
16	Hit the brakes – a new perspective on the loop extrusion mechanism of cohesin and other SMC complexes. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	17
17	Identification of a region in the coiled-coil domain of Smc3 that is essential for cohesin activity. <i>Nucleic Acids Research</i> , 2016, 44, 6309-6317.	14.5	15
18	Structural maintenance of chromosome complexes and bone development: the beginning of a wonderful relationship?. <i>BoneKey Reports</i> , 2013, 2, 388.	2.7	9

#	ARTICLE	IF	CITATIONS
19	Chromosome loading of cohesin depends on conserved residues in Scc3. <i>Current Genetics</i> , 2021, 67, 447-459.	1.7	9
20	Identification of Functional Domains in the Cohesin Loader Subunit Scc4 by a Random Insertion/Dominant Negative Screen. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 2655-2663.	1.8	8
21	Dysregulation of the cohesin subunit RAD21 by Hepatitis C virus mediates host-virus interactions. <i>Nucleic Acids Research</i> , 2019, 47, 2455-2471.	14.5	7
22	Analyzing chromosome condensation in yeast by second-harmonic generation microscopy. <i>Current Genetics</i> , 2020, 66, 437-443.	1.7	4
23	Disrupting the MAD2L2-Rev1 Complex Enhances Cell Death upon DNA Damage. <i>Molecules</i> , 2022, 27, 636.	3.8	4
24	Alternative Functional rad21 Paralogs in <i>Fusarium oxysporum</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1370.	3.5	3
25	Identifying Functional Domains in Subunits of Structural Maintenance of Chromosomes (SMC) Complexes by Transposon Mutagenesis Screen in Yeast. <i>Methods in Molecular Biology</i> , 2019, 2004, 63-78.	0.9	1
26	Redox Potential Regulates Binding of Universal Minicircle Sequence Binding Protein at the Kinetoplast DNA Replication Origin. <i>Eukaryotic Cell</i> , 2010, 9, 477-477.	3.4	0