Jordi Torres-Rosell

List of Publications by Year in descending order

31 papers	2,127 citations	279798 23 h-index	434195 31 g-index
33 all docs	33 docs citations	33 times ranked	2054 citing authors

#	Article	IF	Citations
1	SUMO-SIM interactions: From structure to biological functions. Seminars in Cell and Developmental Biology, 2022, 132, 193-202.	5.0	32
2	Structural basis for the E3 ligase activity enhancement of yeast Nse2 by SUMO-interacting motifs. Nature Communications, 2021, 12, 7013.	12.8	15
3	Purified Smc5/6 Complex Exhibits DNA Substrate Recognition and Compaction. Molecular Cell, 2020, 80, 1039-1054.e6.	9.7	51
4	Smc5/6, an atypical SMC complex with two RING-type subunits. Biochemical Society Transactions, 2020, 48, 2159-2171.	3.4	23
5	Sumoylation of Smc5 Promotes Error-free Bypass at Damaged Replication Forks. Cell Reports, 2019, 29, 3160-3172.e4.	6.4	19
6	DNA activates the Nse2/Mms21 SUMO E3 ligase in the Smc5/6 complex. EMBO Journal, 2018, 37, .	7.8	42
7	Analysis of SUMOylation in the RENT Complex by Fusion to a SUMO-Specific Protease Domain. Methods in Molecular Biology, 2017, 1505, 97-117.	0.9	5
8	Sgs1's roles in DNA end resection, HJ dissolution, and crossover suppression require a two-step SUMO regulation dependent on Smc5/6. Genes and Development, 2016, 30, 1339-1356.	5.9	61
9	Cytoplasmic cyclin D1 regulates cell invasion and metastasis through the phosphorylation of paxillin. Nature Communications, 2016, 7, 11581.	12.8	92
10	The Aurora-B-dependent NoCut checkpoint preventsÂdamage of anaphase bridges after DNA replicationÂstress. Nature Cell Biology, 2016, 18, 516-526.	10.3	53
11	ATPase-Dependent Control of the Mms21 SUMO Ligase during DNA Repair. PLoS Biology, 2015, 13, e1002089.	5.6	33
12	A SUMO-Dependent Step during Establishment of Sister Chromatid Cohesion. Current Biology, 2012, 22, 1576-1581.	3.9	56
13	Smc5 flies solo. Cell Cycle, 2011, 10, 879-878.	2.6	1
14	The Smc5/6 complex is required for dissolution of DNA-mediated sister chromatid linkages. Nucleic Acids Research, 2010, 38, 6502-6512.	14.5	70
15	The unnamed complex: what do we know about Smc5-Smc6?. Chromosome Research, 2009, 17, 251-263.	2.2	112
16	Smc5â€“Smc6 complex suppresses gross chromosomal rearrangements mediated by break-induced replications. DNA Repair, 2008, 7, 1426-1436.	2.8	27
17	Anaphase Onset Before Complete DNA Replication with Intact Checkpoint Responses. Science, 2007, 315, 1411-1415.	12.6	121
18	Can eukaryotic cells monitor the presence of unreplicated DNA?. Cell Division, 2007, 2, 19.	2.4	6

#	Article	IF	Citations
19	The Smc5â€“Smc6 complex and SUMO modification of Rad52 regulates recombinational repair at the ribosomal gene locus. Nature Cell Biology, 2007, 9, 923-931.	10.3	345
20	Smc5â€“Smc6 mediate DNA double-strand-break repair by promoting sister-chromatid recombination. Nature Cell Biology, 2006, 8, 1032-1034.	10.3	170
21	Transcription of ribosomal genes can cause nondisjunction. Journal of Cell Biology, 2006, 173, 893-903.	5.2	32
22	SMC5 and SMC6 genes are required for the segregation of repetitive chromosome regions. Nature Cell Biology, 2005, 7, 412-419.	10.3	178
23	Pkc1 and the Upstream Elements of the Cell Integrity Pathway in Saccharomyces cerevisiae, Rom2 and Mtl1, Are Required for Cellular Responses to Oxidative Stress. Journal of Biological Chemistry, 2005, 280, 9149-9159.	3.4	124
24	Spindle-independent condensation-mediated segregation of yeast ribosomal DNA in late anaphase. Journal of Cell Biology, 2005, 168, 209-219.	5.2	75
25	CDC14 and the Temporal Coordination between Mitotic Exit and Chromosome Segregation. Cell Cycle, 2005, 4, 109-112.	2.6	24
26	Smc5-Smc6 Complex Preserves Nucleolar Integrity in S. cerevisiae. Cell Cycle, 2005, 4, 868-872.	2.6	25
27	Nucleolar Segregation Lags Behind the Rest of the Genome and Requires Cdc14p Activation by the FEAR Network. Cell Cycle, 2004, 3, 494-500.	2.6	58
28	Condensin Regulates rDNA Silencing by Modulating Nucleolar Sir2p. Current Biology, 2004, 14, 125-130.	3.9	49
29	Nucleolar segregation lags behind the rest of the genome and requires Cdc14p activation by the FEAR network. Cell Cycle, 2004, 3, 496-502.	2.6	38
30	Sit4 Is Required for Proper Modulation of the Biological Functions Mediated by Pkc1 and the Cell Integrity Pathway inSaccharomyces cerevisiae. Journal of Biological Chemistry, 2002, 277, 33468-33476.	3.4	64
31	Regulation of the Cell Integrity Pathway by Rapamycin-sensitive TOR Function in Budding Yeast. Journal of Biological Chemistry, 2002, 277, 43495-43504.	3.4	125