

# Luis Aragon

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

2,044  
citations

331670

21  
h-index

395702

33  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1818  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | The Smc5-Smc6 complex and SUMO modification of Rad52 regulates recombinational repair at the ribosomal gene locus. <i>Nature Cell Biology</i> , 2007, 9, 923-931.                        | 10.3 | 345       |
| 2  | SMC5 and SMC6 genes are required for the segregation of repetitive chromosome regions. <i>Nature Cell Biology</i> , 2005, 7, 412-419.  | 10.3 | 178       |
| 3  | Smc5-Smc6 mediate DNA double-strand-break repair by promoting sister-chromatid recombination. <i>Nature Cell Biology</i> , 2006, 8, 1032-1034.   | 10.3 | 170       |
| 4  | Anaphase Onset Before Complete DNA Replication with Intact Checkpoint Responses. <i>Science</i> , 2007, 315, 1411-1415.  | 12.6 | 121       |
| 5  | Cdc14 inhibits transcription by RNA polymerase I during anaphase. <i>Nature</i> , 2009, 458, 219-222.  | 27.8 | 115       |
| 6  | The unnamed complex: what do we know about Smc5-Smc6?. <i>Chromosome Research</i> , 2009, 17, 251-263.   | 2.2  | 112       |
| 7  | The Smc5/6 Complex: New and Old Functions of the Enigmatic Long-Distance Relative. <i>Annual Review of Genetics</i> , 2018, 52, 89-107.  | 7.6  | 112       |
| 8  | Cryo-EM structures of holo condensin reveal a subunit flip-flop mechanism. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 743-751.   | 8.2  | 90        |
| 9  | Spindle-independent condensation-mediated segregation of yeast ribosomal DNA in late anaphase. <i>Journal of Cell Biology</i> , 2005, 168, 209-219.                                      | 5.2  | 75        |
| 10 | The Smc5/6 complex is required for dissolution of DNA-mediated sister chromatid linkages. <i>Nucleic Acids Research</i> , 2010, 38, 6502-6512.   | 14.5 | 70        |
| 11 | Cdc14 phosphatase promotes segregation of telomeres through repression of RNA polymerase II transcription. <i>Nature Cell Biology</i> , 2011, 13, 1450-1456.                             | 10.3 | 67        |
| 12 | SUMOylation of the $\hat{I}$ -Kleisin Subunit of Cohesin Is Required for DNA Damage-Induced Cohesion. <i>Current Biology</i> , 2012, 22, 1564-1575.                                      | 3.9  | 64        |
| 13 | Sgs1's roles in DNA end resection, HJ dissolution, and crossover suppression require a two-step SUMO regulation dependent on Smc5/6. <i>Genes and Development</i> , 2016, 30, 1339-1356. | 5.9  | 61        |
| 14 | Nucleolar Segregation Lags Behind the Rest of the Genome and Requires Cdc14p Activation by the FEAR Network. <i>Cell Cycle</i> , 2004, 3, 494-500.                                       | 2.6  | 58        |
| 15 | Purified Smc5/6 Complex Exhibits DNA Substrate Recognition and Compaction. <i>Molecular Cell</i> , 2020, 80, 1039-1054.e6.   | 9.7  | 51        |
| 16 | A model for chromosome condensation based on the interplay between condensin and topoisomerase II. <i>Trends in Genetics</i> , 2012, 28, 110-117.  | 6.7  | 50        |
| 17 | Physical Proximity of Sister Chromatids Promotes Top2-Dependent Intertwining. <i>Molecular Cell</i> , 2016, 64, 134-147.   | 9.7  | 47        |
| 18 | FACT mediates cohesin function on chromatin. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 970-979.   | 8.2  | 43        |

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|----|--|-----|-----------|
| 19 | Ribosomal DNA Transcription-Dependent Processes Interfere with Chromosome Segregation. <i>Molecular and Cellular Biology</i> , 2006, 26, 6239-6247.                        | 2.3 | 38        |
| 20 | Cis-interactions between non-coding ribosomal spacers dependent on RNAP-II separate RNAP-I and RNAP-III transcription domains. <i>Cell Cycle</i> , 2010, 9, 4328-4337.     | 2.6 | 34        |
| 21 | Condensin Relocalization from Centromeres to Chromosome Arms Promotes Top2 Recruitment during Anaphase. <i>Cell Reports</i> , 2015, 13, 2336-2344.                         | 6.4 | 30        |
| 22 | The Smc5/6 Complex Is Required to Remove Chromosome Junctions in Meiosis. <i>PLoS ONE</i> , 2011, 6, e20948.   | 2.5 | 28        |
| 23 | Sumoylation of Smc5 Promotes Error-free Bypass at Damaged Replication Forks. <i>Cell Reports</i> , 2019, 29, 3160-3172.e4.   | 6.4 | 19        |
| 24 | Identification of SUMO conjugation sites in the budding yeast proteome. <i>Microbial Cell</i> , 2017, 4, 331-341.  | 3.2 | 19        |
| 25 | Smc5/6 complex regulates Sgs1 recombination functions. <i>Current Genetics</i> , 2017, 63, 381-388.  | 1.7 | 16        |
| 26 | Rtt107 Phosphorylation Promotes Localisation to DNA Double-Stranded Breaks (DSBs) and Recombinational Repair between Sister Chromatids. <i>PLoS ONE</i> , 2011, 6, e20152. | 2.5 | 12        |
| 27 | Sumoylation: A new wrestler in the DNA repair ring. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4661-4662.         | 7.1 | 9         |
| 28 | Synthetic studies on the reverse antibiotic natural products, the nybomycins. <i>MedChemComm</i> , 2019, 10, 1438-1444.  | 3.4 | 3         |
| 29 | Ribosomal Genes: Safety in Numbers. <i>Current Biology</i> , 2010, 20, R368-R370.  | 3.9 | 2         |
| 30 | A Double Lock on Sister Chromatids by Cohesin. <i>Molecular Cell</i> , 2011, 44, 5-6.  | 9.7 | 2         |
| 31 | Cdc14 and Chromosome Condensation: Evaluation of the Recruitment of Condensin to Genomic Regions. <i>Methods in Molecular Biology</i> , 2017, 1505, 229-243.               | 0.9 | 1         |
| 32 | Detection of Cohesin SUMOylation In Vivo. <i>Methods in Molecular Biology</i> , 2017, 1515, 55-64.   | 0.9 | 1         |
| 33 | Chromosome Conformation Capture (3C) of Tandem Arrays in Yeast. <i>Methods in Molecular Biology</i> , 2014, 1205, 219-229.   | 0.9 | 1         |