

Joao Matos

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,932
citations

257101

24
h-index

360668

35
g-index

43
all docs

43
docs citations

43
times ranked

3121
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Treatment of a metabolic liver disease by in vivo genome base editing in adult mice. <i>Nature Medicine</i> , 2018, 24, 1519-1525. | 15.2 | 301 |
| 2 | Regulatory Control of the Resolution of DNA Recombination Intermediates during Meiosis and Mitosis. <i>Cell</i> , 2011, 147, 158-172. | 13.5 | 263 |
| 3 | Coordinated Actions of SLX1-SLX4 and MUS81-EME1 for Holliday Junction Resolution in Human Cells. <i>Molecular Cell</i> , 2013, 52, 234-247. | 4.5 | 252 |
| 4 | Monopolar Attachment of Sister Kinetochores at Meiosis I Requires Casein Kinase 1. <i>Cell</i> , 2006, 126, 1049-1064. | 13.5 | 168 |
| 5 | Dbf4-Dependent Cdc7 Kinase Links DNA Replication to the Segregation of Homologous Chromosomes in Meiosis I. <i>Cell</i> , 2008, 135, 662-678. | 13.5 | 168 |
| 6 | Mechanism of Holliday junction resolution by the human GEN1 protein. <i>Genes and Development</i> , 2010, 24, 1559-1569. | 2.7 | 128 |
| 7 | Functional mapping of yeast genomes by saturated transposition. <i>ELife</i> , 2017, 6, . | 2.8 | 126 |
| 8 | Holliday junction resolution: Regulation in space and time. <i>DNA Repair</i> , 2014, 19, 176-181. | 1.3 | 124 |
| 9 | Dual Control of Yen1 Nuclease Activity and Cellular Localization by Cdk and Cdc14 Prevents Genome Instability. <i>Molecular Cell</i> , 2014, 54, 94-106. | 4.5 | 108 |
| 10 | A Mechanism for Controlled Breakage of Under-replicated Chromosomes during Mitosis. <i>Developmental Cell</i> , 2016, 39, 740-755. | 3.1 | 105 |
| 11 | Fork Cleavage-Religation Cycle and Active Transcription Mediate Replication Restart after Fork Stalling at Co-transcriptional R-Loops. <i>Molecular Cell</i> , 2020, 77, 528-541.e8. | 4.5 | 99 |
| 12 | Resolution of Recombination Intermediates: Mechanisms and Regulation. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2015, 80, 103-109. | 2.0 | 95 |
| 13 | Spo13 Facilitates Monoplin Recruitment to Kinetochores and Regulates Maintenance of Centromeric Cohesion during Yeast Meiosis. <i>Current Biology</i> , 2004, 14, 2183-2196. | 1.8 | 91 |
| 14 | The Yeast APC/C Subunit Mnd2 Prevents Premature Sister Chromatid Separation Triggered by the Meiosis-Specific APC/C-Ama1. <i>Cell</i> , 2005, 120, 773-788. | 13.5 | 89 |
| 15 | Regulation of the MLH1-MLH3 endonuclease in meiosis. <i>Nature</i> , 2020, 586, 618-622. | 13.7 | 88 |
| 16 | Functional overlap between the structure-specific nucleases Yen1 and Mus81-Mms4 for DNA-damage repair in <i>S. cerevisiae</i> . <i>DNA Repair</i> , 2010, 9, 394-402. | 1.3 | 86 |
| 17 | A cell cycle-regulated Slx4-Dpb11 complex promotes the resolution of DNA repair intermediates linked to stalled replication. <i>Genes and Development</i> , 2014, 28, 1604-1619. | 2.7 | 79 |
| 18 | Fully automated, sequential focused ion beam milling for cryo-electron tomography. <i>ELife</i> , 2020, 9, . | 2.8 | 78 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Cell-Cycle Kinases Coordinate the Resolution of Recombination Intermediates with Chromosome Segregation. <i>Cell Reports</i> , 2013, 4, 76-86. | 2.9 | 77 |
| 20 | Smc5/6 Mediated Sumoylation of the Sgs1-Top3-Rmi1 Complex Promotes Removal of Recombination Intermediates. <i>Cell Reports</i> , 2016, 16, 368-378. | 2.9 | 66 |
| 21 | Premature activation of Cdk1 leads to mitotic events in S phase and embryonic lethality. <i>Oncogene</i> , 2019, 38, 998-1018. | 2.6 | 56 |
| 22 | Dbf4-dependent kinase and the Rtt107 scaffold promote Mus81-Mms4 resolvase activation during mitosis. <i>EMBO Journal</i> , 2017, 36, 664-678. | 3.5 | 55 |
| 23 | Network Rewiring of Homologous Recombination Enzymes during Mitotic Proliferation and Meiosis. <i>Molecular Cell</i> , 2019, 75, 859-874.e4. | 4.5 | 38 |
| 24 | Control of Mus81 nuclease during the cell cycle. <i>FEBS Letters</i> , 2017, 591, 2048-2056. | 1.3 | 28 |
| 25 | Hold your horses: controlling structure-selective endonucleases MUS81 and Yen1/GEN1. <i>Frontiers in Genetics</i> , 2015, 6, 253. | 1.1 | 27 |
| 26 | Regulated Crossing-Over Requires Inactivation of Yen1/GEN1 Resolvase during Meiotic Prophase I. <i>Developmental Cell</i> , 2018, 45, 785-800.e6. | 3.1 | 26 |
| 27 | Phosphorylation of the RecQ Helicase Sgs1/BLM Controls Its DNA Unwinding Activity during Meiosis and Mitosis. <i>Developmental Cell</i> , 2020, 53, 706-723.e5. | 3.1 | 26 |
| 28 | Cell cycle control of DNA joint molecule resolution. <i>Current Opinion in Cell Biology</i> , 2016, 40, 74-80. | 2.6 | 23 |
| 29 | The CDK1-TOPBP1-PLK1 axis regulates the Bloom's syndrome helicase BLM to suppress crossover recombination in somatic cells. <i>Science Advances</i> , 2022, 8, eabk0221. | 4.7 | 13 |
| 30 | Characterization of DNA helicases and nucleases from meiotic extracts of <i>S. cerevisiae</i> . <i>Methods in Cell Biology</i> , 2018, 144, 371-388. | 0.5 | 9 |
| 31 | An advanced cell cycle tag toolbox reveals principles underlying temporal control of structure-selective nucleases. <i>ELife</i> , 2020, 9, . | 2.8 | 9 |
| 32 | The Cdc14 Phosphatase Controls Resolution of Recombination Intermediates and Crossover Formation during Meiosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9811. | 1.8 | 7 |
| 33 | Analysis of Structure-Selective Endonuclease Activities From Yeast and Human Extracts. <i>Methods in Enzymology</i> , 2017, 591, 271-286. | 0.4 | 4 |
| 34 | Regulatory Control of RecQ Helicase Sgs1/BLM During Meiosis and Mitosis. <i>SSRN Electronic Journal</i> , 0, . | 0.4 | 1 |