

Joao Matos

List of Publications by Year in descending order

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2,932
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257101

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	The CDK1-TOPBP1-PLK1 axis regulates the Bloomâ€™s syndrome helicase BLM to suppress crossover recombination in somatic cells. <i>Science Advances</i> , 2022, 8, eabk0221.	4.7	13
2	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
3	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
4	Regulation of the MLH1â€™MLH3 endonuclease in meiosis. <i>Nature</i> , 2020, 586, 618-622.	13.7	88
5	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
6	Fully automated, sequential focused ion beam milling for cryo-electron tomography. <i>ELife</i> , 2020, 9, .	2.8	78
7	An advanced cell cycle tag toolbox reveals principles underlying temporal control of structure-selective nucleases. <i>ELife</i> , 2020, 9, .	2.8	9
8	Network Rewiring of Homologous Recombination Enzymes during Mitotic Proliferation and Meiosis. <i>Molecular Cell</i> , 2019, 75, 859-874.e4.	4.5	38
9	Premature activation of Cdk1 leads to mitotic events in S phase and embryonic lethality. <i>Oncogene</i> , 2019, 38, 998-1018.	2.6	56
10	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
11	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
12	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
13	Dbf4â€™dependent kinase and the Rtt107 scaffold promote Mus81â€™Mms4 resolvase activation during mitosis. <i>EMBO Journal</i> , 2017, 36, 664-678.	3.5	55
14	Control of Mus81 nuclease during the cell cycle. <i>FEBS Letters</i> , 2017, 591, 2048-2056.	1.3	28
15	Analysis of Structure-Selective Endonuclease Activities From Yeast and Human Extracts. <i>Methods in Enzymology</i> , 2017, 591, 271-286.	0.4	4
16	Functional mapping of yeast genomes by saturated transposition. <i>ELife</i> , 2017, 6, .	2.8	126
17	A Mechanism for Controlled Breakage of Under-replicated Chromosomes during Mitosis. <i>Developmental Cell</i> , 2016, 39, 740-755.	3.1	105
18	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

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19	Cell cycle control of DNA joint molecule resolution. <i>Current Opinion in Cell Biology</i> , 2016, 40, 74-80.	2.6	23
20	Hold your horSSEs: controlling structure-selective endonucleases MUS81 and Yen1/GEN1. <i>Frontiers in Genetics</i> , 2015, 6, 253.	1.1	27
21	Resolution of Recombination Intermediates: Mechanisms and Regulation. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2015, 80, 103-109.	2.0	95
22	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
23	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
24	Holliday junction resolution: Regulation in space and time. <i>DNA Repair</i> , 2014, 19, 176-181.	1.3	124
25	Cell-Cycle Kinases Coordinate the Resolution of Recombination Intermediates with Chromosome Segregation. <i>Cell Reports</i> , 2013, 4, 76-86.	2.9	77
26	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
27	Regulatory Control of the Resolution of DNA Recombination Intermediates during Meiosis and Mitosis. <i>Cell</i> , 2011, 147, 158-172.	13.5	263
28	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
29	Mechanism of Holliday junction resolution by the human GEN1 protein. <i>Genes and Development</i> , 2010, 24, 1559-1569.	2.7	128
30	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
31	Monopolar Attachment of Sister Kinetochores at Meiosis I Requires Casein Kinase 1. <i>Cell</i> , 2006, 126, 1049-1064.	13.5	168
32	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
33	Spo13 Facilitates Monopole Recruitment to Kinetochores and Regulates Maintenance of Centromeric Cohesion during Yeast Meiosis. <i>Current Biology</i> , 2004, 14, 2183-2196.	1.8	91
34	Regulatory Control of RecQ Helicase Sgs1/BLM During Meiosis and Mitosis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1