

Juan Mendez

List of Publications by Citations

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53
papers

4,739
citations

30
h-index

55
g-index

55
ext. papers

5,444
ext. citations

12.6
avg, IF

5.41
L-index

#	Paper	IF	Citations
53	Chromatin association of human origin recognition complex, cdc6, and minichromosome maintenance proteins during the cell cycle: assembly of prereplication complexes in late mitosis. <i>Molecular and Cellular Biology</i> , 2000 , 20, 8602-12	4.8	765
52	Replication stress is a potent driver of functional decline in ageing haematopoietic stem cells. <i>Nature</i> , 2014 , 512, 198-202	50.4	399
51	Excess MCM proteins protect human cells from replicative stress by licensing backup origins of replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 8956-61	11.5	324
50	Genomic stability and tumour suppression by the APC/C cofactor Cdh1. <i>Nature Cell Biology</i> , 2008 , 10, 802-11	23.4	293
49	Human origin recognition complex large subunit is degraded by ubiquitin-mediated proteolysis after initiation of DNA replication. <i>Molecular Cell</i> , 2002 , 9, 481-91	17.6	274
48	PrimPol, an archaic primase/polymerase operating in human cells. <i>Molecular Cell</i> , 2013 , 52, 541-53	17.6	247
47	Deregulation of cyclin E in human cells interferes with prereplication complex assembly. <i>Journal of Cell Biology</i> , 2004 , 165, 789-800	7.3	226
46	Repriming of DNA synthesis at stalled replication forks by human PrimPol. <i>Nature Structural and Molecular Biology</i> , 2013 , 20, 1383-9	17.6	180
45	Cohesin organizes chromatin loops at DNA replication factories. <i>Genes and Development</i> , 2010 , 24, 2812-226	16.3	163
44	CDC6: from DNA replication to cell cycle checkpoints and oncogenesis. <i>Carcinogenesis</i> , 2008 , 29, 237-43	4.6	157
43	Perpetuating the double helix: molecular machines at eukaryotic DNA replication origins. <i>BioEssays</i> , 2003 , 25, 1158-67	4.1	157
42	Oncogenic activity of Cdc6 through repression of the INK4/ARF locus. <i>Nature</i> , 2006 , 440, 702-6	50.4	152
41	A short G1 phase imposes constitutive replication stress and fork remodelling in mouse embryonic stem cells. <i>Nature Communications</i> , 2016 , 7, 10660	17.4	104
40	Initiation of phi 29 DNA replication occurs at the second 3Xnucleotide of the linear template: a sliding-back mechanism for protein-primed DNA replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 9579-83	11.5	104
39	A proteomic characterization of factors enriched at nascent DNA molecules. <i>Cell Reports</i> , 2013 , 3, 1105-16	16.6	87
38	USP7 is a SUMO deubiquitinase essential for DNA replication. <i>Nature Structural and Molecular Biology</i> , 2016 , 23, 270-7	17.6	82
37	The human GINS complex associates with Cdc45 and MCM and is essential for DNA replication. <i>Nucleic Acids Research</i> , 2009 , 37, 2087-95	20.1	78

36	PRIMPOL-Mediated Adaptive Response Suppresses Replication Fork Reversal in BRCA-Deficient Cells. <i>Molecular Cell</i> , 2020 , 77, 461-474.e9	17.6	69
35	Dynamics of pre-replication complex proteins during the cell division cycle. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004 , 359, 7-16	5.8	68
34	Replication stress caused by low MCM expression limits fetal erythropoiesis and hematopoietic stem cell functionality. <i>Nature Communications</i> , 2015 , 6, 8548	17.4	64
33	Protein-primed DNA replication: a transition between two modes of priming by a unique DNA polymerase. <i>EMBO Journal</i> , 1997 , 16, 2519-27	13	62
32	Phosphorylation of Mcm2 by Cdc7 promotes pre-replication complex assembly during cell-cycle re-entry. <i>Molecular Cell</i> , 2009 , 35, 206-16	17.6	55
31	An aspartic acid residue in TPR-1, a specific region of protein-priming DNA polymerases, is required for the functional interaction with primer terminal protein. <i>Journal of Molecular Biology</i> , 2000 , 304, 289-300	6.5	51
30	Cdc45-MCM-GINS, a new power player for DNA replication. <i>Cell Division</i> , 2006 , 1, 18	2.8	50
29	DNA replication stress: from molecular mechanisms to human disease. <i>Chromosoma</i> , 2017 , 126, 1-15	2.8	47
28	Molecular architecture of the human GINS complex. <i>EMBO Reports</i> , 2007 , 8, 678-84	6.5	45
27	Functional reprogramming of polyploidization in megakaryocytes. <i>Developmental Cell</i> , 2015 , 32, 155-67	10.2	38
26	Primer terminus stabilization at the phi 29 DNA polymerase active site. Mutational analysis of conserved motif KXY. <i>Journal of Biological Chemistry</i> , 1995 , 270, 2735-40	5.4	38
25	In vitro protein-primed initiation of pneumococcal phage Cp-1 DNA replication occurs at the third 3X nucleotide of the linear template: a stepwise sliding-back mechanism. <i>Journal of Molecular Biology</i> , 1996 , 260, 369-77	6.5	37
24	NSMCE2 suppresses cancer and aging in mice independently of its SUMO ligase activity. <i>EMBO Journal</i> , 2015 , 34, 2604-19	13	34
23	POLD3 Is Haploinsufficient for DNA Replication in Mice. <i>Molecular Cell</i> , 2016 , 63, 877-83	17.6	25
22	Cell proliferation without cyclin E-CDK2. <i>Cell</i> , 2003 , 114, 398-9	56.2	24
21	PrimPol-dependent single-stranded gap formation mediates homologous recombination at bulky DNA adducts. <i>Nature Communications</i> , 2020 , 11, 5863	17.4	24
20	USP37 deubiquitinates Cdt1 and contributes to regulate DNA replication. <i>Molecular Oncology</i> , 2016 , 10, 1196-206	7.9	23
19	Molecular architecture of a multifunctional MCM complex. <i>Nucleic Acids Research</i> , 2012 , 40, 1366-80	20.1	22

18	PDS5 proteins are required for proper cohesin dynamics and participate in replication fork protection. <i>Journal of Biological Chemistry</i> , 2020 , 295, 146-157	5.4	22
17	Temporal regulation of DNA replication in mammalian cells. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2009 , 44, 343-51	8.7	19
16	In Vivo DNA Re-replication Elicits Lethal Tissue Dysplasias. <i>Cell Reports</i> , 2017 , 19, 928-938	10.6	17
15	Uncoupling fork speed and origin activity to identify the primary cause of replicative stress phenotypes. <i>Journal of Biological Chemistry</i> , 2018 , 293, 12855-12861	5.4	17
14	A cancer-associated point mutation disables the steric gate of human PrimPol. <i>Scientific Reports</i> , 2019 , 9, 1121	4.9	15
13	Shortage of dNTPs underlies altered replication dynamics and DNA breakage in the absence of the APC/C cofactor Cdh1. <i>Oncogene</i> , 2017 , 36, 5808-5818	9.2	11
12	Structural and functional studies on phi 29 DNA polymerase. <i>Chromosoma</i> , 1992 , 102, S32-8	2.8	11
11	Deregulated expression of Cdc6 in the skin facilitates papilloma formation and affects the hair growth cycle. <i>Cell Cycle</i> , 2015 , 14, 3897-907	4.7	9
10	Visualization of the MCM DNA helicase at replication factories before the onset of DNA synthesis. <i>Chromosoma</i> , 2012 , 121, 499-507	2.8	9
9	Functional interplay between c-Myc and Max in B lymphocyte differentiation. <i>EMBO Reports</i> , 2018 , 19,	6.5	8
8	PrimPol-mediated repriming facilitates replication traverse of DNA interstrand crosslinks. <i>EMBO Journal</i> , 2021 , 40, e106355	13	8
7	Molecular architecture of the recombinant human MCM2-7 helicase in complex with nucleotides and DNA. <i>Cell Cycle</i> , 2016 , 15, 2431-40	4.7	6
6	TIAR marks nuclear G2/M transition granules and restricts CDK1 activity under replication stress. <i>EMBO Reports</i> , 2019 , 20,	6.5	6
5	Three-dimensional connectivity and chromatin environment mediate the activation efficiency of mammalian DNA replication origins		5
4	PrimPol primase mediates replication traverse of DNA interstrand crosslinks		4
3	PrimPol-dependent single-stranded gap formation mediates homologous recombination at bulky DNA adducts		3
2	Motif WFYY of human PrimPol is crucial to stabilize the incoming 3Xnucleotide during replication fork restart. <i>Nucleic Acids Research</i> , 2021 , 49, 8199-8213	20.1	1
1	Deregulation of Cyclin E and Genomic Instability 2005 , 98-105		

