

# Juan Mendez

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	PrimPol-mediated repriming facilitates replication traverse of DNA interstrand crosslinks. <i>EMBO Journal</i> , <b>2021</b> , 40, e106355	13	8
52	Motif WFYY of human PrimPol is crucial to stabilize the incoming 3Xnucleotide during replication fork restart. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 8199-8213	20.1	1
51	PRIMPOL-Mediated Adaptive Response Suppresses Replication Fork Reversal in BRCA-Deficient Cells. <i>Molecular Cell</i> , <b>2020</b> , 77, 461-474.e9	17.6	69
50	PDS5 proteins are required for proper cohesin dynamics and participate in replication fork protection. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 146-157	5.4	22
49	PrimPol-dependent single-stranded gap formation mediates homologous recombination at bulky DNA adducts. <i>Nature Communications</i> , <b>2020</b> , 11, 5863	17.4	24
48	A cancer-associated point mutation disables the steric gate of human PrimPol. <i>Scientific Reports</i> , <b>2019</b> , 9, 1121	4.9	15
47	TIAR marks nuclear G2/M transition granules and restricts CDK1 activity under replication stress. <i>EMBO Reports</i> , <b>2019</b> , 20,	6.5	6
46	Uncoupling fork speed and origin activity to identify the primary cause of replicative stress phenotypes. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 12855-12861	5.4	17
45	Functional interplay between c-Myc and Max in B lymphocyte differentiation. <i>EMBO Reports</i> , <b>2018</b> , 19,	6.5	8
44	DNA replication stress: from molecular mechanisms to human disease. <i>Chromosoma</i> , <b>2017</b> , 126, 1-15	2.8	47
43	InVivo DNA Re-replication Elicits Lethal Tissue Dysplasias. <i>Cell Reports</i> , <b>2017</b> , 19, 928-938	10.6	17
42	Shortage of dNTPs underlies altered replication dynamics and DNA breakage in the absence of the APC/C cofactor Cdh1. <i>Oncogene</i> , <b>2017</b> , 36, 5808-5818	9.2	11
41	POLD3 Is Haploinsufficient for DNA Replication in Mice. <i>Molecular Cell</i> , <b>2016</b> , 63, 877-83	17.6	25
40	Molecular architecture of the recombinant human MCM2-7 helicase in complex with nucleotides and DNA. <i>Cell Cycle</i> , <b>2016</b> , 15, 2431-40	4.7	6
39	USP37 deubiquitinates Cdt1 and contributes to regulate DNA replication. <i>Molecular Oncology</i> , <b>2016</b> , 10, 1196-206	7.9	23
38	A short G1 phase imposes constitutive replication stress and fork remodelling in mouse embryonic stem cells. <i>Nature Communications</i> , <b>2016</b> , 7, 10660	17.4	104
37	USP7 is a SUMO deubiquitinase essential for DNA replication. <i>Nature Structural and Molecular Biology</i> , <b>2016</b> , 23, 270-7	17.6	82

36	Replication stress caused by low MCM expression limits fetal erythropoiesis and hematopoietic stem cell functionality. <i>Nature Communications</i> , <b>2015</b> , 6, 8548	17.4	64
35	NSMCE2 suppresses cancer and aging in mice independently of its SUMO ligase activity. <i>EMBO Journal</i> , <b>2015</b> , 34, 2604-19	13	34
34	Deregulated expression of Cdc6 in the skin facilitates papilloma formation and affects the hair growth cycle. <i>Cell Cycle</i> , <b>2015</b> , 14, 3897-907	4.7	9
33	Functional reprogramming of polyploidization in megakaryocytes. <i>Developmental Cell</i> , <b>2015</b> , 32, 155-67	10.2	38
32	Replication stress is a potent driver of functional decline in ageing haematopoietic stem cells. <i>Nature</i> , <b>2014</b> , 512, 198-202	50.4	399
31	PrimPol, an archaic primase/polymerase operating in human cells. <i>Molecular Cell</i> , <b>2013</b> , 52, 541-53	17.6	247
30	Repriming of DNA synthesis at stalled replication forks by human PrimPol. <i>Nature Structural and Molecular Biology</i> , <b>2013</b> , 20, 1383-9	17.6	180
29	A proteomic characterization of factors enriched at nascent DNA molecules. <i>Cell Reports</i> , <b>2013</b> , 3, 1105-16	16.6	87
28	Visualization of the MCM DNA helicase at replication factories before the onset of DNA synthesis. <i>Chromosoma</i> , <b>2012</b> , 121, 499-507	2.8	9
27	Molecular architecture of a multifunctional MCM complex. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 1366-80	20.1	22
26	Cohesin organizes chromatin loops at DNA replication factories. <i>Genes and Development</i> , <b>2010</b> , 24, 2812-226	226	163
25	The human GINS complex associates with Cdc45 and MCM and is essential for DNA replication. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, 2087-95	20.1	78
24	Phosphorylation of Mcm2 by Cdc7 promotes pre-replication complex assembly during cell-cycle re-entry. <i>Molecular Cell</i> , <b>2009</b> , 35, 206-16	17.6	55
23	Temporal regulation of DNA replication in mammalian cells. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , <b>2009</b> , 44, 343-51	8.7	19
22	Genomic stability and tumour suppression by the APC/C cofactor Cdh1. <i>Nature Cell Biology</i> , <b>2008</b> , 10, 802-11	23.4	293
21	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> , <b>2008</b> , 105, 8956-61	11.5	324
20	CDC6: from DNA replication to cell cycle checkpoints and oncogenesis. <i>Carcinogenesis</i> , <b>2008</b> , 29, 237-43	4.6	157
19	Molecular architecture of the human GINS complex. <i>EMBO Reports</i> , <b>2007</b> , 8, 678-84	6.5	45

18	Cdc45-MCM-GINS, a new power player for DNA replication. <i>Cell Division</i> , <b>2006</b> , 1, 18	2.8	50
17	Oncogenic activity of Cdc6 through repression of the INK4/ARF locus. <i>Nature</i> , <b>2006</b> , 440, 702-6	50.4	152
16	Deregulation of Cyclin E and Genomic Instability <b>2005</b> , 98-105		
15	Dynamics of pre-replication complex proteins during the cell division cycle. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2004</b> , 359, 7-16	5.8	68
14	Deregulation of cyclin E in human cells interferes with prereplication complex assembly. <i>Journal of Cell Biology</i> , <b>2004</b> , 165, 789-800	7.3	226
13	Perpetuating the double helix: molecular machines at eukaryotic DNA replication origins. <i>BioEssays</i> , <b>2003</b> , 25, 1158-67	4.1	157
12	Cell proliferation without cyclin E-CDK2. <i>Cell</i> , <b>2003</b> , 114, 398-9	56.2	24
11	Human origin recognition complex large subunit is degraded by ubiquitin-mediated proteolysis after initiation of DNA replication. <i>Molecular Cell</i> , <b>2002</b> , 9, 481-91	17.6	274
10	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> , <b>2000</b> , 304, 289-300	6.5	51
9	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> , <b>2000</b> , 20, 8602-12	4.8	765
8	Protein-primed DNA replication: a transition between two modes of priming by a unique DNA polymerase. <i>EMBO Journal</i> , <b>1997</b> , 16, 2519-27	13	62
7	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> , <b>1996</b> , 260, 369-77	6.5	37
6	Primer terminus stabilization at the phi 29 DNA polymerase active site. Mutational analysis of conserved motif KXY. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 2735-40	5.4	38
5	Initiation of phi 29 DNA replication occurs at the second 3X nucleotide 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> , <b>1992</b> , 89, 9579-83	11.5	104
4	Structural and functional studies on phi 29 DNA polymerase. <i>Chromosoma</i> , <b>1992</b> , 102, S32-8	2.8	11
3	PrimPol primase mediates replication traverse of DNA interstrand crosslinks		4
2	Three-dimensional connectivity and chromatin environment mediate the activation efficiency of mammalian DNA replication origins		5
1	PrimPol-dependent single-stranded gap formation mediates homologous recombination at bulky DNA adducts		3

