

# Miguel G Blanco

## List of Publications by Year in descending order

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28  
papers

1,914  
citations

516710

16  
h-index

501196

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

2853  
citing authors

#	ARTICLE	IF	CITATIONS
1	Canonical and novel non-canonical activities of the Holliday junction resolvase Yen1. <i>Nucleic Acids Research</i> , 2022, 50, 259-280.	14.5	4
2	Holliday Junction Resolution. <i>Methods in Molecular Biology</i> , 2021, 2153, 169-185.	0.9	3
3	Aberrant integration of Hepatitis B virus DNA promotes major restructuring of human hepatocellular carcinoma genome architecture. <i>Nature Communications</i> , 2021, 12, 6910.	12.8	27
4	ADAR1-Dependent RNA Editing Promotes MET and iPSC Reprogramming by Alleviating ER Stress. <i>Cell Stem Cell</i> , 2020, 27, 300-314.e11.	11.1	22
5	Exo1 phosphorylation inhibits exonuclease activity and prevents fork collapse in rad53 mutants independently of the 14-3-3 proteins. <i>Nucleic Acids Research</i> , 2020, 48, 3053-3070.	14.5	8
6	Pan-cancer analysis of whole genomes identifies driver rearrangements promoted by LINE-1 retrotransposition. <i>Nature Genetics</i> , 2020, 52, 306-319.	21.4	275
7	RNA-dependent chromatin targeting of TET2 for endogenous retrovirus control in pluripotent stem cells. <i>Nature Genetics</i> , 2018, 50, 443-451.	21.4	122
8	Regulated Crossing-Over Requires Inactivation of Yen1/GEN1 Resolvase during Meiotic Prophase I. <i>Developmental Cell</i> , 2018, 45, 785-800.e6.	7.0	26
9	Dbf4-dependent kinase and the Rtt107 scaffold promote Mus81-Mms4 resolvase activation during mitosis. <i>EMBO Journal</i> , 2017, 36, 664-678.	7.8	55
10	A Mechanism for Controlled Breakage of Under-replicated Chromosomes during Mitosis. <i>Developmental Cell</i> , 2016, 39, 740-755.	7.0	105
11	Hold your horSSEs: controlling structure-selective endonucleases MUS81 and Yen1/GEN1. <i>Frontiers in Genetics</i> , 2015, 6, 253.	2.3	27
12	Resolution of Recombination Intermediates: Mechanisms and Regulation. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2015, 80, 103-109.	1.1	95
13	Dual Control of Yen1 Nuclease Activity and Cellular Localization by Cdk and Cdc14 Prevents Genome Instability. <i>Molecular Cell</i> , 2014, 54, 94-106.	9.7	108
14	Cell-Cycle Kinases Coordinate the Resolution of Recombination Intermediates with Chromosome Segregation. <i>Cell Reports</i> , 2013, 4, 76-86.	6.4	77
15	Distinct Roles of Mus81, Yen1, Slx1-Slx4, and Rad1 Nucleases in the Repair of Replication-Born Double-Strand Breaks by Sister Chromatid Exchange. <i>Molecular and Cellular Biology</i> , 2012, 32, 1592-1603.	2.3	58
16	Regulatory Control of the Resolution of DNA Recombination Intermediates during Meiosis and Mitosis. <i>Cell</i> , 2011, 147, 158-172.	28.9	263
17	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.	2.8	86
18	Mechanism of Holliday junction resolution by the human GEN1 protein. <i>Genes and Development</i> , 2010, 24, 1559-1569.	5.9	128

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19	Effect of monovalent cations and G-quadruplex structures on the outcome of intramolecular homologous recombination. <i>FEBS Journal</i> , 2009, 276, 2983-2993.	4.7	12
20	Evolution of a complex minisatellite DNA sequence. <i>Molecular Phylogenetics and Evolution</i> , 2008, 49, 488-494.	2.7	5
21	Identification of Holliday junction resolvases from humans and yeast. <i>Nature</i> , 2008, 456, 357-361.	27.8	345
22	DNA end-joining driven by microhomologies catalyzed by nuclear extracts. <i>Biological Chemistry</i> , 2006, 387, 263-7.	2.5	3
23	Heteroduplex analysis of minisatellite variability. <i>Electrophoresis</i> , 2005, 26, 4304-4309.	2.4	7
24	Generation of DNA Double-strand Breaks by Two Independent Enzymatic Activities in Nuclear Extracts. <i>Journal of Molecular Biology</i> , 2005, 351, 995-1006.	4.2	4
25	A Paradox in the in Vitro End-joining Assays. <i>Journal of Biological Chemistry</i> , 2004, 279, 26797-26801.	3.4	8
26	Inhibition of DNA synthesis by K <sup>+</sup> -stabilised G-quadruplex promotes allelic preferential amplification. <i>FEBS Letters</i> , 2004, 571, 112-118.	2.8	24
27	Birth and Evolutionary History of a Human Minisatellite. <i>Molecular Biology and Evolution</i> , 2003, 21, 228-235.	8.9	8
28	Recombination Analysis of the Human Minisatellite Msh42 Suggests the Existence of Two Distinct Pathways for Initiation and Resolution of Recombination at Msh42 in Rat Testes Nuclear Extracts. <i>Biochemistry</i> , 2002, 41, 2166-2176.	2.5	9