

Conrad A Nieduszynski

List of Publications by Citations

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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.

50
papers

2,290
citations

26
h-index

47
g-index

54
ext. papers

2,826
ext. citations

13.7
avg, IF

4.75
L-index

#	Paper	IF	Citations
50	Comparative functional genomics of the fission yeasts. <i>Science</i> , 2011 , 332, 930-6	33.3	364
49	Genome-wide identification of replication origins in yeast by comparative genomics. <i>Genes and Development</i> , 2006 , 20, 1874-9	12.6	141
48	OriDB: a DNA replication origin database. <i>Nucleic Acids Research</i> , 2007 , 35, D40-6	20.1	128
47	Kinetochores coordinate pericentromeric cohesion and early DNA replication by Cdc7-Dbf4 kinase recruitment. <i>Molecular Cell</i> , 2013 , 50, 661-74	17.6	103
46	OriDB, the DNA replication origin database updated and extended. <i>Nucleic Acids Research</i> , 2012 , 40, D682-6	20.1	103
45	Deep functional analysis of synII, a 770-kilobase synthetic yeast chromosome. <i>Science</i> , 2017 , 355,	33.3	101
44	A global profile of replicative polymerase usage. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 192-198	19.6	100
43	Accelerated growth in the absence of DNA replication origins. <i>Nature</i> , 2013 , 503, 544-547	50.4	98
42	Avoiding chromosome pathology when replication forks collide. <i>Nature</i> , 2013 , 500, 608-11	50.4	91
41	The cyclin A1-CDK2 complex regulates DNA double-strand break repair. <i>Molecular and Cellular Biology</i> , 2004 , 24, 8917-28	4.8	89
40	The dynamics of genome replication using deep sequencing. <i>Nucleic Acids Research</i> , 2014 , 42, e3	20.1	78
39	Ku complex controls the replication time of DNA in telomere regions. <i>Genes and Development</i> , 2002 , 16, 2485-90	12.6	77
38	Conservation of replication timing reveals global and local regulation of replication origin activity. <i>Genome Research</i> , 2012 , 22, 1953-62	9.7	72
37	Mathematical modelling of whole chromosome replication. <i>Nucleic Acids Research</i> , 2010 , 38, 5623-33	20.1	67
36	High quality de novo sequencing and assembly of the <i>Saccharomyces arboricolus</i> genome. <i>BMC Genomics</i> , 2013 , 14, 69	4.5	59
35	High-resolution replication profiles define the stochastic nature of genome replication initiation and termination. <i>Cell Reports</i> , 2013 , 5, 1132-41	10.6	53
34	Capturing the dynamics of genome replication on individual ultra-long nanopore sequence reads. <i>Nature Methods</i> , 2019 , 16, 429-436	21.6	43

33	The requirement of yeast replication origins for pre-replication complex proteins is modulated by transcription. <i>Nucleic Acids Research</i> , 2005 , 33, 2410-20	20.1	42
32	Stochastic association of neighboring replicons creates replication factories in budding yeast. <i>Journal of Cell Biology</i> , 2013 , 202, 1001-12	7.3	38
31	Replisome stall events have shaped the distribution of replication origins in the genomes of yeasts. <i>Nucleic Acids Research</i> , 2013 , 41, 9705-18	20.1	37
30	A putative homologue of CDC20/CDH1 in the malaria parasite is essential for male gamete development. <i>PLoS Pathogens</i> , 2012 , 8, e1002554	7.6	37
29	Whole-genome analysis of animal A- and B-type cyclins. <i>Genome Biology</i> , 2002 , 3, RESEARCH0070	18.3	37
28	Discovery of an unconventional centromere in budding yeast redefines evolution of point centromeres. <i>Current Biology</i> , 2015 , 25, 2026-33	6.3	35
27	A Link between ORC-origin binding mechanisms and origin activation time revealed in budding yeast. <i>PLoS Genetics</i> , 2013 , 9, e1003798	6	34
26	Cyclin A1 protein shows haplo-insufficiency for normal fertility in male mice. <i>Reproduction</i> , 2004 , 127, 503-11	3.8	30
25	DNA replication timing influences gene expression level. <i>Journal of Cell Biology</i> , 2017 , 216, 1907-1914	7.3	26
24	The origin recognition complex interacts with a subset of metabolic genes tightly linked to origins of replication. <i>PLoS Genetics</i> , 2009 , 5, e1000755	6	23
23	Analysis of chromosome III replicators reveals an unusual structure for the ARS318 silencer origin and a conserved WTW sequence within the origin recognition complex binding site. <i>Molecular and Cellular Biology</i> , 2008 , 28, 5071-81	4.8	23
22	Dynamics of DNA replication in yeast. <i>Physical Review Letters</i> , 2011 , 107, 068103	7.4	22
21	Mathematical modeling of genome replication. <i>Physical Review E</i> , 2012 , 86, 031916	2.4	22
20	Rif1 acts through Protein Phosphatase 1 but independent of replication timing to suppress telomere extension in budding yeast. <i>Nucleic Acids Research</i> , 2018 , 46, 3993-4003	20.1	19
19	From sequence to function: Insights from natural variation in budding yeasts. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011 , 1810, 959-66	4	19
18	Interspecies conservation of organisation and function between nonhomologous regional centromeres. <i>Nature Communications</i> , 2019 , 10, 2343	17.4	16
17	Evolution of Genome Architecture in Archaea: Spontaneous Generation of a New Chromosome in <i>Haloferax volcanii</i> . <i>Molecular Biology and Evolution</i> , 2018 , 35, 1855-1868	8.3	12
16	Cohesin-Mediated Genome Architecture Does Not Define DNA Replication Timing Domains. <i>Genes</i> , 2019 , 10,	4.2	10

15	DNA copy-number measurement of genome replication dynamics by high-throughput sequencing: the sort-seq, sync-seq and MFA-seq family. <i>Nature Protocols</i> , 2020 , 15, 1255-1284	18.8	9
14	Sir2 mitigates an intrinsic imbalance in origin licensing efficiency between early- and late-replicating euchromatin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 14314-14321	11.5	8
13	Rapid high-resolution measurement of DNA replication timing by droplet digital PCR. <i>Nucleic Acids Research</i> , 2018 , 46, e112	20.1	6
12	The Beacon Calculus: A formal method for the flexible and concise modelling of biological systems. <i>PLoS Computational Biology</i> , 2020 , 16, e1007651	5	4
11	Genome-wide analysis of DNA replication timing in single cells: Yes! We are all individuals. <i>Genome Biology</i> , 2019 , 20, 111	18.3	3
10	Cohesin-mediated genome architecture does not define DNA replication timing domains		3
9	Bayesian inference of origin firing time distributions, origin interference and licensing probabilities from Next Generation Sequencing data. <i>Nucleic Acids Research</i> , 2019 , 47, 2229-2243	20.1	2
8	Detection of replication origins using comparative genomics and recombinational ARS assay. <i>Methods in Molecular Biology</i> , 2009 , 521, 295-313	1.4	2
7	The effectiveness of glass beads for plating cell cultures		1
6	Modeling of DNA replication in rapidly growing bacteria with one and two replication origins		1
5	Inter-species conservation of organisation and function between non-homologous regional centromeres		1
4	Capturing the dynamics of genome replication on individual ultra-long nanopore sequence reads		1
3	Investigating the role of Rts1 in DNA replication initiation. <i>Wellcome Open Research</i> , 2018 , 3, 23	4.8	0
2	Tos4 mediates gene expression homeostasis through interaction with HDAC complexes independently of H3K56 acetylation. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100533	5.4	0
1	Effectiveness of glass beads for plating cell cultures. <i>Physical Review E</i> , 2021 , 103, 052410	2.4	