Conrad A Nieduszynski

List of Publications by Year in Descending Order

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	Effectiveness of glass beads for plating cell cultures. *Physical Review E*, **2021**, 103, 052410	2.4	
49	Tos4 mediates gene expression homeostasis through interaction with HDAC complexes independently of H3K56 acetylation. *Journal of Biological Chemistry*, **2021**, 296, 100533	5.4	0
48	Sir2 mitigates an intrinsic imbalance in origin licensing efficiency between early- and late-replicating euchromatin. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 14314-14321	11.5	8
47	The Beacon Calculus: A formal method for the flexible and concise modelling of biological systems. *PLoS Computational Biology*, **2020**, 16, e1007651	5	4
46	DNA copy-number measurement of genome replication dynamics by high-throughput sequencing: the sort-seq, sync-seq and MFA-seq family. *Nature Protocols*, **2020**, 15, 1255-1284	18.8	9
45	Interspecies conservation of organisation and function between nonhomologous regional centromeres. *Nature Communications*, **2019**, 10, 2343	17.4	16
44	Genome-wide analysis of DNA replication timing in single cells: Yes! We are all individuals. *Genome Biology*, **2019**, 20, 111	18.3	3
43	Capturing the dynamics of genome replication on individual ultra-long nanopore sequence reads. *Nature Methods*, **2019**, 16, 429-436	21.6	43
42	Cohesin-Mediated Genome Architecture Does Not Define DNA Replication Timing Domains. *Genes*, **2019**, 10,	4.2	10
41	Bayesian inference of origin firing time distributions, origin interference and licencing probabilities from Next Generation Sequencing data. *Nucleic Acids Research*, **2019**, 47, 2229-2243	20.1	2
40	Evolution of Genome Architecture in Archaea: Spontaneous Generation of a New Chromosome in Haloferax volcanii. *Molecular Biology and Evolution*, **2018**, 35, 1855-1868	8.3	12
39	Rif1 acts through Protein Phosphatase 1 but independent of replication timing to suppress telomere extension in budding yeast. *Nucleic Acids Research*, **2018**, 46, 3993-4003	20.1	19
38	Rapid high-resolution measurement of DNA replication timing by droplet digital PCR. *Nucleic Acids Research*, **2018**, 46, e112	20.1	6
37	Investigating the role of Rts1 in DNA replication initiation. *Wellcome Open Research*, **2018**, 3, 23	4.8	0
36	Deep functional analysis of synII, a 770-kilobase synthetic yeast chromosome. *Science*, **2017**, 355,	33.3	101
35	DNA replication timing influences gene expression level. *Journal of Cell Biology*, **2017**, 216, 1907-1914	7.3	26
34	Discovery of an unconventional centromere in budding yeast redefines evolution of point centromeres. *Current Biology*, **2015**, 25, 2026-33	6.3	35

33	A global profile of replicative polymerase usage. *Nature Structural and Molecular Biology*, **2015**, 22, 192-198	12.6	100
32	The dynamics of genome replication using deep sequencing. *Nucleic Acids Research*, **2014**, 42, e3	20.1	78
31	High quality de novo sequencing and assembly of the Saccharomyces arboricolus genome. *BMC Genomics*, **2013**, 14, 69	4.5	59
30	Avoiding chromosome pathology when replication forks collide. *Nature*, **2013**, 500, 608-11	50.4	91
29	Accelerated growth in the absence of DNA replication origins. *Nature*, **2013**, 503, 544-547	50.4	98
28	High-resolution replication profiles define the stochastic nature of genome replication initiation and termination. *Cell Reports*, **2013**, 5, 1132-41	10.6	53
27	Kinetochores coordinate pericentromeric cohesion and early DNA replication by Cdc7-Dbf4 kinase recruitment. *Molecular Cell*, **2013**, 50, 661-74	17.6	103
26	A Link between ORC-origin binding mechanisms and origin activation time revealed in budding yeast. *PLoS Genetics*, **2013**, 9, e1003798	6	34
25	Stochastic association of neighboring replicons creates replication factories in budding yeast. *Journal of Cell Biology*, **2013**, 202, 1001-12	7.3	38
24	Replisome stall events have shaped the distribution of replication origins in the genomes of yeasts. *Nucleic Acids Research*, **2013**, 41, 9705-18	20.1	37
23	A putative homologue of CDC20/CDH1 in the malaria parasite is essential for male gamete development. *PLoS Pathogens*, **2012**, 8, e1002554	7.6	37
22	OriDB, the DNA replication origin database updated and extended. *Nucleic Acids Research*, **2012**, 40, D682-6	20.1	103
21	Conservation of replication timing reveals global and local regulation of replication origin activity. *Genome Research*, **2012**, 22, 1953-62	9.7	72
20	Mathematical modeling of genome replication. *Physical Review E*, **2012**, 86, 031916	2.4	22
19	Dynamics of DNA replication in yeast. *Physical Review Letters*, **2011**, 107, 068103	7.4	22
18	Comparative functional genomics of the fission yeasts. *Science*, **2011**, 332, 930-6	33.3	364
17	From sequence to function: Insights from natural variation in budding yeasts. *Biochimica Et Biophysica Acta - General Subjects*, **2011**, 1810, 959-66	4	19
16	Mathematical modelling of whole chromosome replication. *Nucleic Acids Research*, **2010**, 38, 5623-33	20.1	67

15	The origin recognition complex interacts with a subset of metabolic genes tightly linked to origins of replication. *PLoS Genetics*, **2009**, 5, e1000755	6	23
14	Detection of replication origins using comparative genomics and recombinational ARS assay. *Methods in Molecular Biology*, **2009**, 521, 295-313	1.4	2
13	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. *Molecular and Cellular Biology*, **2008**, 28, 5071-81	4.8	23
12	OriDB: a DNA replication origin database. *Nucleic Acids Research*, **2007**, 35, D40-6	20.1	128
11	Genome-wide identification of replication origins in yeast by comparative genomics. *Genes and Development*, **2006**, 20, 1874-9	12.6	141
10	The requirement of yeast replication origins for pre-replication complex proteins is modulated by transcription. *Nucleic Acids Research*, **2005**, 33, 2410-20	20.1	42
9	The cyclin A1-CDK2 complex regulates DNA double-strand break repair. *Molecular and Cellular Biology*, **2004**, 24, 8917-28	4.8	89
8	Cyclin A1 protein shows haplo-insufficiency for normal fertility in male mice. *Reproduction*, **2004**, 127, 503-11	3.8	30
7	Ku complex controls the replication time of DNA in telomere regions. *Genes and Development*, **2002** , 16, 2485-90	12.6	77
6	Whole-genome analysis of animal A- and B-type cyclins. *Genome Biology*, **2002**, 3, RESEARCH0070	18.3	37
5	The effectiveness of glass beads for plating cell cultures		1
4	Modeling of DNA replication in rapidly growing bacteria with one and two replication origins		1
3	Inter-species conservation of organisation and function between non-homologous regional centromeres		1
2	Capturing the dynamics of genome replication on individual ultra-long nanopore sequence reads		1
1	Cohesin-mediated genome architecture does not define DNA replication timing domains		3