

Tony Carr

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.

73
papers

3,385
citations

29
h-index

57
g-index

81
ext. papers

3,999
ext. citations

11.4
avg, IF

5.62
L-index

#	Paper	IF	Citations
73	DNA repair, genome stability and cancer: a historical perspective. <i>Nature Reviews Cancer</i> , 2016 , 16, 35-42	31.3	398
72	Gross chromosomal rearrangements and elevated recombination at an inducible site-specific replication fork barrier. <i>Cell</i> , 2005 , 121, 689-702	56.2	214
71	Three novel antibiotic marker cassettes for gene disruption and marker switching in <i>Schizosaccharomyces pombe</i> . <i>Yeast</i> , 2005 , 22, 1013-9	3.4	190
70	Cop9/signalosome subunits and Pcu4 regulate ribonucleotide reductase by both checkpoint-dependent and -independent mechanisms. <i>Genes and Development</i> , 2003 , 17, 1130-40	12.6	148
69	Replication stress-induced genome instability: the dark side of replication maintenance by homologous recombination. <i>Journal of Molecular Biology</i> , 2013 , 425, 4733-44	6.5	128
68	The intra-S phase checkpoint targets Dna2 to prevent stalled replication forks from reversing. <i>Cell</i> , 2012 , 149, 1221-32	56.2	124
67	The major roles of DNA polymerases epsilon and delta at the eukaryotic replication fork are evolutionarily conserved. <i>PLoS Genetics</i> , 2011 , 7, e1002407	6	118
66	Recombination-restarted replication makes inverted chromosome fusions at inverted repeats. <i>Nature</i> , 2013 , 493, 246-9	50.4	115
65	Checkpoint responses to replication fork barriers. <i>Biochimie</i> , 2005 , 87, 591-602	4.6	112
64	DNA structure dependent checkpoints as regulators of DNA repair. <i>DNA Repair</i> , 2002 , 1, 983-94	4.3	110
63	Postreplication repair and PCNA modification in <i>Schizosaccharomyces pombe</i> . <i>Molecular Biology of the Cell</i> , 2006 , 17, 2976-85	3.5	105
62	Nearby inverted repeats fuse to generate acentric and dicentric palindromic chromosomes by a replication template exchange mechanism. <i>Genes and Development</i> , 2009 , 23, 2876-86	12.6	101
61	A global profile of replicative polymerase usage. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 192-198	19.6	100
60	Arrested replication fork processing: interplay between checkpoints and recombination. <i>DNA Repair</i> , 2007 , 6, 1042-61	4.3	93
59	Smc5/6: a link between DNA repair and unidirectional replication?. <i>Nature Reviews Molecular Cell Biology</i> , 2008 , 9, 177-82	48.7	91
58	Preserving replication fork integrity and competence via the homologous recombination pathway. <i>DNA Repair</i> , 2018 , 71, 135-147	4.3	81
57	Transactivation of <i>Schizosaccharomyces pombe</i> cdt2+ stimulates a Pcu4-Ddb1-CSN ubiquitin ligase. <i>EMBO Journal</i> , 2005 , 24, 3940-51	13	79

56	Ddb1 controls genome stability and meiosis in fission yeast. <i>Genes and Development</i> , 2005 , 19, 853-62	12.6	76
55	Impediments to replication fork movement: stabilisation, reactivation and genome instability. <i>Chromosoma</i> , 2013 , 122, 33-45	2.8	75
54	TopBP1: A BRCT-scaffold protein functioning in multiple cellular pathways. <i>DNA Repair</i> , 2014 , 22, 165-74	4.3	70
53	RAD6-RAD18-RAD5-pathway-dependent tolerance to chronic low-dose ultraviolet light. <i>Nature</i> , 2009 , 457, 612-5	50.4	66
52	Polymerase ϵ replicates both strands after homologous recombination-dependent fork restart. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 932-8	17.6	63
51	FindFoci: a focus detection algorithm with automated parameter training that closely matches human assignments, reduces human inconsistencies and increases speed of analysis. <i>PLoS ONE</i> , 2014 , 9, e114749	3.7	60
50	Gene tagging and gene replacement using recombinase-mediated cassette exchange in <i>Schizosaccharomyces pombe</i> . <i>Gene</i> , 2008 , 407, 63-74	3.8	56
49	An essential function for the ATR-activation-domain (AAD) of TopBP1 in mouse development and cellular senescence. <i>PLoS Genetics</i> , 2013 , 9, e1003702	6	44
48	Replication stress and genome rearrangements: lessons from yeast models. <i>Current Opinion in Genetics and Development</i> , 2013 , 23, 132-9	4.9	43
47	Regulation of gene expression at the fission yeast <i>Schizosaccharomyces pombe</i> <i>urg1</i> locus. <i>Gene</i> , 2011 , 484, 75-85	3.8	33
46	Integrating DNA damage repair with the cell cycle. <i>Current Opinion in Cell Biology</i> , 2018 , 52, 120-125	9	32
45	The extent of error-prone replication restart by homologous recombination is controlled by Exo1 and checkpoint proteins. <i>Journal of Cell Science</i> , 2014 , 127, 2983-94	5.3	31
44	DNA replication: failures and inverted fusions. <i>Seminars in Cell and Developmental Biology</i> , 2011 , 22, 866-74	7.4	29
43	Quantification of DNA-associated proteins inside eukaryotic cells using single-molecule localization microscopy. <i>Nucleic Acids Research</i> , 2014 , 42, e146	20.1	28
42	A simple Cre-loxP method for chromosomal N-terminal tagging of essential and non-essential <i>Schizosaccharomyces pombe</i> genes. <i>Gene</i> , 2003 , 304, 133-41	3.8	27
41	CRL4(Wdr70) regulates H2B monoubiquitination and facilitates Exo1-dependent resection. <i>Nature Communications</i> , 2016 , 7, 11364	17.4	26
40	Checking that replication breakdown is not terminal. <i>Science</i> , 2002 , 297, 557-8	33.3	25
39	Phosphorylation-dependent assembly and coordination of the DNA damage checkpoint apparatus by Rad4(TopBP1). <i>Molecular Cell</i> , 2013 , 51, 723-736	17.6	21

38	The Rad4(TopBP1) ATR-activation domain functions in G1/S phase in a chromatin-dependent manner. <i>PLoS Genetics</i> , 2012 , 8, e1002801	6	18
37	Optimisation of the <i>Schizosaccharomyces pombe</i> urg1 expression system. <i>PLoS ONE</i> , 2013 , 8, e83800	3.7	18
36	Transformation of <i>Schizosaccharomyces pombe</i> : Lithium Acetate/ Dimethyl Sulfoxide Procedure. <i>Cold Spring Harbor Protocols</i> , 2016 , 2016, pdb.prot090969	1.2	18
35	Checkpoints are blind to replication restart and recombination intermediates that result in gross chromosomal rearrangements. <i>Nature Communications</i> , 2015 , 6, 6357	17.4	17
34	Molecular biology. Beginning at the end. <i>Science</i> , 2003 , 300, 1512-3	33.3	17
33	Set2 Methyltransferase Facilitates DNA Replication and Promotes Genotoxic Stress Responses through MBF-Dependent Transcription. <i>Cell Reports</i> , 2017 , 20, 2693-2705	10.6	15
32	Mapping ribonucleotides in genomic DNA and exploring replication dynamics by polymerase usage sequencing (Pu-seq). <i>Nature Protocols</i> , 2015 , 10, 1786-801	18.8	12
31	PCNA ubiquitylation ensures timely completion of unperturbed DNA replication in fission yeast. <i>PLoS Genetics</i> , 2017 , 13, e1006789	6	12
30	The role of novel genes rrp1(+) and rrp2(+) in the repair of DNA damage in <i>Schizosaccharomyces pombe</i> . <i>DNA Repair</i> , 2009 , 8, 627-36	4.3	12
29	Identification of S-phase DNA damage-response targets in fission yeast reveals conservation of damage-response networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E3676-85	11.5	10
28	Replication dynamics of recombination-dependent replication forks. <i>Nature Communications</i> , 2021 , 12, 923	17.4	10
27	Spd2 assists Spd1 in the modulation of ribonucleotide reductase architecture but does not regulate deoxynucleotide pools. <i>Journal of Cell Science</i> , 2014 , 127, 2460-70	5.3	9
26	<i>Schizosaccharomyces pombe</i> Cds1Chk2 regulates homologous recombination at stalled replication forks through the phosphorylation of recombination protein Rad60. <i>Journal of Cell Science</i> , 2009 , 122, 3638-43	5.3	9
25	Extraction of Chromosomal DNA from <i>Schizosaccharomyces pombe</i> . <i>Cold Spring Harbor Protocols</i> , 2016 , 2016,	1.2	8
24	Molecular Genetic Tools and Techniques in Fission Yeast. <i>Cold Spring Harbor Protocols</i> , 2016 , 2016,	1.2	8
23	The Antiresection Activity of the X Protein Encoded by Hepatitis Virus B. <i>Hepatology</i> , 2019 , 69, 2546-2561	1.2	8
22	An essential role for dNTP homeostasis following CDK-induced replication stress. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	7
21	3D Printed Calcium Phosphate Cement (CPC) Scaffolds for Anti-Cancer Drug Delivery. <i>Pharmaceutics</i> , 2020 , 12,	6.4	7

20	Colony Polymerase Chain Reaction with Schizosaccharomyces pombe. <i>Cold Spring Harbor Protocols</i> , 2016 , 2016,	1.2	7
19	Involvement of Schizosaccharomyces pombe rrp1+ and rrp2+ in the Srs2- and Swi5/Sfr1-dependent pathway in response to DNA damage and replication inhibition. <i>Nucleic Acids Research</i> , 2013 , 41, 8196-209	20.1	6
18	Homologous recombination repair intermediates promote efficient de novo telomere addition at DNA double-strand breaks. <i>Nucleic Acids Research</i> , 2020 , 48, 1271-1284	20.1	5
17	Live-cell single-molecule tracking highlights requirements for stable Smc5/6 chromatin association in vivo. <i>ELife</i> , 2021 , 10,	8.9	5
16	Inhibition of MRN activity by a telomere protein motif. <i>Nature Communications</i> , 2021 , 12, 3856	17.4	5
15	Transformation of Schizosaccharomyces pombe: Electroporation Procedure. <i>Cold Spring Harbor Protocols</i> , 2016 , 2016, pdb.prot090951	1.2	5
14	RAR1 Agonist Drug (C286) Demonstrates Efficacy in a Pre-clinical Neuropathic Pain Model Restoring Multiple Pathways via DNA Repair Mechanisms. <i>iScience</i> , 2019 , 20, 554-566	6.1	4
13	DARE to be different? A novel approach for analysing diversity in collaborative research projects. <i>Research Evaluation</i> , 2020 , 29, 300-315	1.7	3
12	Meikin synergizes with shugoshin to protect cohesin Rec8 during meiosis I. <i>Genes and Development</i> , 2021 , 35, 692-697	12.6	3
11	The intra-S phase checkpoint directly regulates replication elongation to preserve the integrity of stalled replisomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
10	Transformation of Schizosaccharomyces pombe: Protoplast Procedure. <i>Cold Spring Harbor Protocols</i> , 2016 , 2016, pdb.prot090977	1.2	3
9	Deficiency of Cks1 Leads to Learning and Long-Term Memory Defects and p27 Dependent Formation of Neuronal Cofilin Aggregates. <i>Cerebral Cortex</i> , 2017 , 27, 11-23	5.1	2
8	Deoxynucleoside Salvage in Fission Yeast Allows Rescue of Ribonucleotide Reductase Deficiency but Not Spd1-Mediated Inhibition of Replication. <i>Genes</i> , 2017 , 8,	4.2	2
7	Identifying Products of Recombinase-Mediated Cassette Exchange (RMCE) in Schizosaccharomyces pombe. <i>Cold Spring Harbor Protocols</i> , 2016 , 2016,	1.2	2
6	DNA translocases Rrp1 and Rrp2 have distinct roles at centromeres and telomeres that ensure genome stability. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	1
5	Characterisation of a stably integrated expression system for exogenous protein expression in DT40. <i>Wellcome Open Research</i> , 2017 , 2, 40	4.8	0
4	Increased expression of Pol α does not alter the canonical replication program in vivo. <i>Wellcome Open Research</i> , 2021 , 6, 44	4.8	0
3	Increased expression of Pol α does not alter the canonical replication program. <i>Wellcome Open Research</i> , 2021 , 6, 44	4.8	0

2	Analysis of Replicative Polymerase Usage by Ribonucleotide Incorporation. <i>Methods in Molecular Biology</i> , 2018 , 1672, 239-259	1.4
1	Characterisation of a stably integrated expression system for exogenous protein expression in DT40. <i>Wellcome Open Research</i> , 2 , 40	4.8