

Philippe Pasero

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/426489/publications.pdf>

Version: 2024-02-01

120
papers

8,142
citations

38742

50
h-index

54911

84
g-index

170
all docs

170
docs citations

170
times ranked

8808
citing authors

#	ARTICLE	IF	CITATIONS
1	Topoisomerase I suppresses genomic instability by preventing interference between replication and transcription. <i>Nature Cell Biology</i> , 2009, 11, 1315-1324.	10.3	445
2	Nucleotide-resolution DNA double-strand break mapping by next-generation sequencing. <i>Nature Methods</i> , 2013, 10, 361-365.	19.0	409
3	SAMHD1 acts at stalled replication forks to prevent interferon induction. <i>Nature</i> , 2018, 557, 57-61.	27.8	319
4	Senataxin resolves RNA:DNA hybrids forming at DNA double-strand breaks to prevent translocations. <i>Nature Communications</i> , 2018, 9, 533.	12.8	252
5	Mrc1 and Tof1 Promote Replication Fork Progression and Recovery Independently of Rad53. <i>Molecular Cell</i> , 2005, 19, 699-706.	9.7	243
6	dNTP pools determine fork progression and origin usage under replication stress. <i>EMBO Journal</i> , 2012, 31, 883-894.	7.8	232
7	Single-molecule analysis reveals clustering and epigenetic regulation of replication origins at the yeast rDNA locus. <i>Genes and Development</i> , 2002, 16, 2479-2484.	5.9	206
8	SAMHD1 is mutated recurrently in chronic lymphocytic leukemia and is involved in response to DNA damage. <i>Blood</i> , 2014, 123, 1021-1031.	1.4	205
9	Rescuing Stalled or Damaged Replication Forks. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013, 5, a012815-a012815.	5.5	197
10	ORC and the intra-S-phase checkpoint: a threshold regulates Rad53p activation in S phase. <i>Genes and Development</i> , 2002, 16, 3236-3252.	5.9	188
11	Mitotic Remodeling of the Replicon and Chromosome Structure. <i>Cell</i> , 2005, 123, 787-801.	28.9	175
12	Monitoring S phase progression globally and locally using BrdU incorporation in TK+ yeast strains. <i>Nucleic Acids Research</i> , 2001, 29, 1433-1442.	14.5	152
13	Targeting the DNA damage response in immuno-oncology: developments and opportunities. <i>Nature Reviews Cancer</i> , 2021, 21, 701-717.	28.4	150
14	New histone supply regulates replication fork speed and PCNA unloading. <i>Journal of Cell Biology</i> , 2014, 204, 29-43.	5.2	132
15	Anaphase Onset Before Complete DNA Replication with Intact Checkpoint Responses. <i>Science</i> , 2007, 315, 1411-1415.	12.6	121
16	Maintenance of fork integrity at damaged DNA and natural pause sites. <i>DNA Repair</i> , 2007, 6, 900-913.	2.8	120
17	The causes of replication stress and their consequences on genome stability and cell fate. <i>Seminars in Cell and Developmental Biology</i> , 2014, 30, 154-164.	5.0	116
18	A role for the Cdc7 kinase regulatory subunit Dbf4p in the formation of initiation-competent origins of replication. <i>Genes and Development</i> , 1999, 13, 2159-2176.	5.9	114

#	ARTICLE	IF	CITATIONS
19	Analysis of replication profiles reveals key role of RFC-Ctf18 in yeast replication stress response. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 1391-1397.	8.2	112
20	Cohesin Association to Replication Sites Depends on Rad50 and Promotes Fork Restart. <i>Molecular Cell</i> , 2012, 48, 98-108.	9.7	108
21	Overexpression of Claspin and Timeless protects cancer cells from replication stress in a checkpoint-independent manner. <i>Nature Communications</i> , 2019, 10, 910.	12.8	105
22	Topoisomerase 1 prevents replication stress at R-loop-enriched transcription termination sites. <i>Nature Communications</i> , 2020, 11, 3940.	12.8	105
23	Mec1, INO80, and the PAF1 complex cooperate to limit transcription replication conflicts through RNAPII removal during replication stress. <i>Genes and Development</i> , 2016, 30, 337-354.	5.9	103
24	Genetic and epigenetic determinants of DNA replication origins, position and activation. <i>Current Opinion in Genetics and Development</i> , 2013, 23, 124-131.	3.3	101
25	Exo1 Competes with Repair Synthesis, Converts NER Intermediates to Long ssDNA Gaps, and Promotes Checkpoint Activation. <i>Molecular Cell</i> , 2010, 40, 50-62.	9.7	99
26	Essential Roles of the Smc5/6 Complex in Replication through Natural Pausing Sites and Endogenous DNA Damage Tolerance. <i>Molecular Cell</i> , 2015, 60, 835-846.	9.7	98
27	Signaling Pathways of Replication Stress in Yeast. <i>FEMS Yeast Research</i> , 2017, 17, fow101.	2.3	98
28	A "DNA replication"™ signature of progression and negative outcome in colorectal cancer. <i>Oncogene</i> , 2010, 29, 876-887.	5.9	95
29	The Histone Deacetylases Sir2 and Rpd3 Act on Ribosomal DNA to Control the Replication Program in Budding Yeast. <i>Molecular Cell</i> , 2014, 54, 691-697.	9.7	95
30	The yeast Sgs1 helicase is differentially required for genomic and ribosomal DNA replication. <i>EMBO Journal</i> , 2003, 22, 1939-1949.	7.8	93
31	Rtt101 and Mms1 in budding yeast form a CUL4 ^{<sup>} DDB1</sup>-like ubiquitin ligase that promotes replication through damaged DNA. <i>EMBO Reports</i> , 2008, 9, 1034-1040.	4.5	91
32	Nucleases Acting at Stalled Forks: How to Reboot the Replication Program with a Few Shortcuts. <i>Annual Review of Genetics</i> , 2017, 51, 477-499.	7.6	90
33	The Cullin Rtt101p Promotes Replication Fork Progression through Damaged DNA and Natural Pause Sites. <i>Current Biology</i> , 2006, 16, 786-792.	3.9	89
34	Phosphorylation of Slx4 by Mec1 and Tel1 Regulates the Single-Strand Annealing Mode of DNA Repair in Budding Yeast. <i>Molecular and Cellular Biology</i> , 2007, 27, 6433-6445.	2.3	89
35	An N-terminal domain of Dbf4p mediates interaction with both origin recognition complex (ORC) and Rad53p and can deregulate late origin firing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 16087-16092.	7.1	88
36	Involvement of a chromatin remodeling complex in damage tolerance during DNA replication. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 1167-1172.	8.2	88

#	ARTICLE	IF	CITATIONS
37	Analysis of DNA replication profiles in budding yeast and mammalian cells using DNA combing. <i>Methods</i> , 2012, 57, 149-157.	3.8	88
38	Differential regulation of homologous recombination at DNA breaks and replication forks by the Mrc1 branch of the S-phase checkpoint. <i>EMBO Journal</i> , 2009, 28, 1131-1141.	7.8	87
39	DNA replication stress response involving PLK1, CDC6, POLQ, RAD51 and CLASPIN upregulation prognoses the outcome of early/mid-stage non-small cell lung cancer patients. <i>Oncogenesis</i> , 2012, 1, e30-e30.	4.9	81
40	The MRX complex stabilizes the replisome independently of the S phase checkpoint during replication stress. <i>EMBO Journal</i> , 2009, 28, 1142-1156.	7.8	79
41	Histone H3 Lysine 56 Acetylation and the Response to DNA Replication Fork Damage. <i>Molecular and Cellular Biology</i> , 2012, 32, 154-172.	2.3	77
42	Specific function of phosphoinositide 3-kinase beta in the control of DNA replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7525-7530.	7.1	75
43	The Smc5/6 complex is required for dissolution of DNA-mediated sister chromatid linkages. <i>Nucleic Acids Research</i> , 2010, 38, 6502-6512.	14.5	70
44	RECQ1 helicase is involved in replication stress survival and drug resistance in multiple myeloma. <i>Leukemia</i> , 2017, 31, 2104-2113.	7.2	68
45	RNAi-based screening identifies the Mms22Lâ€“Nfkbil2 complex as a novel regulator of DNA replication in human cells. <i>EMBO Journal</i> , 2010, 29, 4210-4222.	7.8	66
46	Resolution of R-loops by INO80 promotes DNA replication and maintains cancer cell proliferation and viability. <i>Nature Communications</i> , 2020, 11, 4534.	12.8	63
47	Common DNA Structural Features Exhibited by Eukaryotic Ribosomal Gene Promoters. <i>Nucleic Acids Research</i> , 1996, 24, 2204-2211.	14.5	61
48	Defining replication origin efficiency using DNA fiber assays. <i>Chromosome Research</i> , 2010, 18, 91-102.	2.2	61
49	RPA Mediates Recruitment of MRX to Forks and Double-Strand Breaks to Hold Sister Chromatids Together. <i>Molecular Cell</i> , 2016, 64, 951-966.	9.7	57
50	ORC-dependent and origin-specific initiation of DNA replication at defined foci in isolated yeast nuclei. <i>Genes and Development</i> , 1997, 11, 1504-1518.	5.9	56
51	New Topoisomerase I mutations are associated with resistance to camptothecin. <i>Molecular Cancer</i> , 2011, 10, 64.	19.2	56
52	An essential role for Orc6 in DNA replication through maintenance of pre-replicative complexes. <i>EMBO Journal</i> , 2006, 25, 5150-5158.	7.8	55
53	Domain within the helicase subunit Mcm4 integrates multiple kinase signals to control DNA replication initiation and fork progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1899-908.	7.1	55
54	Mrc1 and Rad9 cooperate to regulate initiation and elongation of DNA replication in response to DNA damage. <i>EMBO Journal</i> , 2018, 37, .	7.8	54

#	ARTICLE	IF	CITATIONS
55	Dbf4 recruitment by forkhead transcription factors defines an upstream rate-limiting step in determining origin firing timing. <i>Genes and Development</i> , 2017, 31, 2405-2415.	5.9	53
56	DNA repair pathways in human multiple myeloma. <i>Cell Cycle</i> , 2013, 12, 2760-2773.	2.6	52
57	MRX Increases Chromatin Accessibility at Stalled Replication Forks to Promote Nascent DNA Resection and Cohesin Loading. <i>Molecular Cell</i> , 2020, 77, 395-410.e3.	9.7	49
58	Mec1 Is Activated at the Onset of Normal S Phase by Low-dNTP Pools Impeding DNA Replication. <i>Molecular Cell</i> , 2020, 78, 396-410.e4.	9.7	48
59	SAMHD1 and the innate immune response to cytosolic DNA during DNA replication. <i>Current Opinion in Immunology</i> , 2019, 56, 24-30.	5.5	47
60	Interference Between DNA Replication and Transcription as a Cause of Genomic Instability. <i>Current Genomics</i> , 2012, 13, 65-73.	1.6	46
61	Inhibition of Ataxia-Telangiectasia Mutated and RAD3-Related (<i>ATR</i>) Overcomes Oxaliplatin Resistance and Promotes Antitumor Immunity in Colorectal Cancer. <i>Cancer Research</i> , 2019, 79, 2933-2946.	0.9	46
62	Size variation of rDNA clusters in the yeasts <i>Saccharomyces cerevisiae</i> and <i>Schizosaccharomyces pombe</i> . <i>Molecular Genetics and Genomics</i> , 1993, 236-236, 448-452.	2.4	45
63	Long-range organization and sequence-directed curvature of <i>Xenopus laevis</i> satellite 1 DNA. <i>Nucleic Acids Research</i> , 1993, 21, 4703-4710.	14.5	44
64	Upregulation of Error-Prone DNA Polymerases Beta and Kappa Slows Down Fork Progression Without Activating the Replication Checkpoint. <i>Cell Cycle</i> , 2007, 6, 471-477.	2.6	44
65	A DNA repair pathway score predicts survival in human multiple myeloma: the potential for therapeutic strategy. <i>Oncotarget</i> , 2014, 5, 2487-2498.	1.8	42
66	qDSB-Seq is a general method for genome-wide quantification of DNA double-strand breaks using sequencing. <i>Nature Communications</i> , 2019, 10, 2313.	12.8	40
67	i-BLESS is an ultra-sensitive method for detection of DNA double-strand breaks. <i>Communications Biology</i> , 2018, 1, 181.	4.4	37
68	TDP-43 dysfunction results in R-loop accumulation and DNA replication defects. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	35
69	Hair follicle stem cell replication stress drives IFI16/STING-dependent inflammation in hidradenitis suppurativa. <i>Journal of Clinical Investigation</i> , 2020, 130, 3777-3790.	8.2	35
70	Kinome expression profiling to target new therapeutic avenues in multiple myeloma. <i>Haematologica</i> , 2020, 105, 784-795.	3.5	33
71	Think global, act local â€” how to regulate S phase from individual replication origins. <i>Current Opinion in Genetics and Development</i> , 2000, 10, 178-186.	3.3	30
72	Transcription and replication. <i>Transcription</i> , 2010, 1, 99-102.	3.1	30

#	ARTICLE	IF	CITATIONS
73	RNA-sequencing data-driven dissection of human plasma cell differentiation reveals new potential transcription regulators. <i>Leukemia</i> , 2021, 35, 1451-1462.	7.2	30
74	Ethanol exposure increases mutation rate through error-prone polymerases. <i>Nature Communications</i> , 2020, 11, 3664.	12.8	29
75	Semi-conservative replication in yeast nuclear extracts requires Dna2 helicase and supercoiled template 1 Edited by M. Yaniv. <i>Journal of Molecular Biology</i> , 1998, 281, 631-649.	4.2	28
76	Time to Be Versatile: Regulation of the Replication Timing Program in Budding Yeast. <i>Journal of Molecular Biology</i> , 2013, 425, 4696-4705.	4.2	28
77	Homologous recombination and Mus81 promote replication completion in response to replication fork blockage. <i>EMBO Reports</i> , 2020, 21, e49367.	4.5	28
78	Does interference between replication and transcription contribute to genomic instability in cancer cells?. <i>Cell Cycle</i> , 2010, 9, 1886-1892.	2.6	27
79	EXD2 Protects Stressed Replication Forks and Is Required for Cell Viability in the Absence of BRCA1/2. <i>Molecular Cell</i> , 2019, 75, 605-619.e6.	9.7	26
80	Phosphorylation of CMG helicase and Tof1 is required for programmed fork arrest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3639-48.	7.1	25
81	Cyclin B-Cdk1 Kinase Stimulates ORC- and Cdc6-Independent Steps of Semiconservative Plasmid Replication in Yeast Nuclear Extracts. <i>Molecular and Cellular Biology</i> , 1999, 19, 1226-1241.	2.3	24
82	DDR Inc., one business, two associates. <i>Current Genetics</i> , 2019, 65, 445-451.	1.7	24
83	Multiple Roles of Replication Forks in S Phase Checkpoints: Sensors, Effectors and Targets. <i>Cell Cycle</i> , 2003, 2, 567-571.	2.6	23
84	DNA polymerase δ modulates replication fork progression and DNA damage responses in platinum-treated human cells. <i>Scientific Reports</i> , 2013, 3, 3277.	3.3	23
85	The Replication Stress Response on a Narrow Path Between Genomic Instability and Inflammation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 702584.	3.7	22
86	New systems for replicating DNA in vitro. <i>Current Opinion in Cell Biology</i> , 1998, 10, 304-310.	5.4	20
87	Short DNA Fragments without Sequence Similarity Are Initiation Sites for Replication in the Chromosome of the Yeast <i>Yarrowia lipolytica</i> . <i>Molecular Biology of the Cell</i> , 1999, 10, 757-769.	2.1	19
88	Replication stress: from chromatin to immunity and beyond. <i>Current Opinion in Genetics and Development</i> , 2021, 71, 136-142.	3.3	19
89	Multiple roles of replication forks in S phase checkpoints: sensors, effectors and targets. <i>Cell Cycle</i> , 2003, 2, 568-72.	2.6	19
90	Toxic R-loops: Cause or consequence of replication stress?. <i>DNA Repair</i> , 2021, 107, 103199.	2.8	17

#	ARTICLE	IF	CITATIONS
91	RECQ helicases are deregulated in hematological malignancies in association with a prognostic value. Biomarker Research, 2016, 4, 3.	6.8	16
92	Nuclear DNA replication and repair in parasites of the genus <i>Leishmania</i> : Exploiting differences to develop innovative therapeutic approaches. Critical Reviews in Microbiology, 2017, 43, 156-177.	6.1	16
93	DDK Has a Primary Role in Processing Stalled Replication Forks to Initiate Downstream Checkpoint Signaling. Neoplasia, 2018, 20, 985-995.	5.3	16
94	A Role for the Mre11-Rad50-Xrs2 Complex in Gene Expression and Chromosome Organization. Molecular Cell, 2021, 81, 183-197.e6.	9.7	15
95	Transcription-Replication Conflicts: Orientation Matters. Cell, 2017, 170, 603-604.	28.9	14
96	Targeting Cellular Iron Homeostasis with Ironomycin in Diffuse Large B-cell Lymphoma. Cancer Research, 2022, 82, 998-1012.	0.9	14
97	Top1 and Top2 promote replication fork arrest at a programmed pause site. Genes and Development, 2020, 34, 1-3.	5.9	13
98	DNA repair in diffuse large B-cell lymphoma: a molecular portrait. British Journal of Haematology, 2015, 169, 296-299.	2.5	12
99	Closing the MCM cycle at replication termination sites. EMBO Reports, 2014, 15, 1226-1227.	4.5	11
100	Topoisomerase I prevents transcription-replication conflicts at transcription termination sites. Molecular and Cellular Oncology, 2021, 8, 1843951.	0.7	8
101	XAB2 promotes Ku eviction from single-ended DNA double-strand breaks independently of the ATM kinase. Nucleic Acids Research, 2021, 49, 9906-9925.	14.5	8
102	Single-molecule Analysis of DNA Replication Dynamics in Budding Yeast and Human Cells by DNA Combing. Bio-protocol, 2017, 7, e2305.	0.4	8
103	In Vitro DNA Replication in Yeast Nuclear Extracts. Methods, 1999, 18, 368-376.	3.8	7
104	Transcription/Replication Conflicts in Tumorigenesis and Their Potential Role as Novel Therapeutic Targets in Multiple Myeloma. Cancers, 2021, 13, 3755.	3.7	7
105	Caught in the Act: R-Loops Are Cleaved by Structure-Specific Endonucleases to Generate DSBs. Molecular Cell, 2014, 56, 721-722.	9.7	6
106	Molecular dissection of a specific nuclear domain: The chromatin region of the ribosomal gene cluster in <i>Xenopus laevis</i> . Experimental Cell Research, 1992, 202, 87-97.	2.6	5
107	Scanning tunneling microscopy study of a DNA fragment of known size and sequence. Microscopy Microanalysis Microstructures, 1994, 5, 47-56.	0.4	5
108	High-resolution, ultrasensitive and quantitative DNA double-strand break labeling in eukaryotic cells using i-BLESS. Nature Protocols, 2021, 16, 1034-1061.	12.0	3

#	ARTICLE	IF	CITATIONS
109	Inhibition of SUV39H Methyltransferase As a Potent Therapeutic Target in Multiple Myeloma. <i>Blood</i> , 2015, 126, 1771-1771.	1.4	3
110	In vitro DNA replication assays in yeast extracts. <i>Methods in Enzymology</i> , 2002, 351, 184-199.	1.0	2
111	Overexpression of the Fork Protection Complex: a strategy to tolerate oncogene-induced replication stress in cancer cells. <i>Molecular and Cellular Oncology</i> , 2019, 6, 1607455.	0.7	2
112	A Small Molecule That Selectively Targets BLM Helicase Has a Therapeutic Interest in Multiple Myeloma. <i>Blood</i> , 2016, 128, 4433-4433.	1.4	1
113	The replication timing program in the hands of two HDACs. <i>Microbial Cell</i> , 2014, 1, 273-275.	3.2	1
114	Sir2 takes affirmative action to ensure equal opportunity in replication origin licensing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16723-16725.	7.1	0
115	3D positioning of tagged DNA loci by widefield and super-resolution fluorescence imaging of fixed yeast nuclei. <i>STAR Protocols</i> , 2021, 2, 100525.	1.2	0
116	Abstract B4: A "DNA replication stress" gene signature associated with a poor prognosis in early non-small cell lung cancer. <i>Clinical Cancer Research</i> , 2012, 18, B4-B4.	7.0	0
117	Ironomycin Induces Diffuse Large B-Cell Lymphoma Cell Death By Targeting Iron Metabolism Addiction. <i>Blood</i> , 2019, 134, 3960-3960.	1.4	0
118	Exploiting Transcription-Replication Conflicts As a Novel Therapeutic Intervention in Multiple Myeloma. <i>Blood</i> , 2021, 138, 1582-1582.	1.4	0
119	Top1p targeting by Fob1p at the ribosomal Replication Fork Barrier does not account for camptothecin sensitivity in cells.. <i>MicroPublication Biology</i> , 2022, 2022, .	0.1	0
120	Multiplexed-Based Assessment of DNA Damage Response to Chemotherapies Using Cell Imaging Cytometry. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5701.	4.1	0