

Paul D Chastain

List of Publications by Year in descending order

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38
papers

2,050
citations

279798

23
h-index

345221

36
g-index

38
all docs

38
docs citations

38
times ranked

2570
citing authors

#	ARTICLE	IF	CITATIONS
1	Sticky DNA. <i>Molecular Cell</i> , 1999, 3, 465-475.	9.7	305
2	The Human Tim/Tipin Complex Coordinates an Intra-S Checkpoint Response to UV That Slows Replication Fork Displacement. <i>Molecular and Cellular Biology</i> , 2007, 27, 3131-3142.	2.3	227
3	Human CST promotes telomere duplex replication and general replication restart after fork stalling. <i>EMBO Journal</i> , 2012, 31, 3537-3549.	7.8	181
4	Coordinated Leading and Lagging Strand DNA Synthesis on a Minicircular Template. <i>Molecular Cell</i> , 1998, 1, 1001-1010.	9.7	137
5	Evidence for a Triplex DNA Conformation at the bcl-2 Major Breakpoint Region of the t(14;18) Translocation. <i>Journal of Biological Chemistry</i> , 2005, 280, 22749-22760.	3.4	84
6	Anomalous Rapid Electrophoretic Mobility of DNA Containing Triplet Repeats Associated with Human Disease Genes. <i>Biochemistry</i> , 1995, 34, 16125-16131.	2.5	83
7	Suicidal cross-linking of PARP-1 to AP site intermediates in cells undergoing base excision repair. <i>Nucleic Acids Research</i> , 2014, 42, 6337-6351.	14.5	81
8	Human Immunodeficiency Virus Type 1 Vpr-Binding Protein VprBP, a WD40 Protein Associated with the DDB1-CUL4 E3 Ubiquitin Ligase, Is Essential for DNA Replication and Embryonic Development. <i>Molecular and Cellular Biology</i> , 2008, 28, 5621-5633.	2.3	76
9	CTG repeats associated with human genetic disease are inherently flexible. <i>Journal of Molecular Biology</i> , 1998, 275, 405-411.	4.2	75
10	Sticky DNA, a Long GAA•GAA•TTC Triplex That Is Formed Intramolecularly, in the Sequence of Intron 1 of the Frataxin Gene. <i>Journal of Biological Chemistry</i> , 2002, 277, 39217-39227.	3.4	67
11	Lagging strand synthesis in coordinated DNA synthesis by bacteriophage T7 replication proteins. <i>Journal of Molecular Biology</i> , 2002, 316, 19-34.	4.2	59
12	Checkpoint Regulation of Replication Dynamics in UV-Irradiated Human Cells. <i>Cell Cycle</i> , 2006, 5, 2160-2167.	2.6	54
13	Architecture of the Replication Complex and DNA Loops at the Fork Generated by the Bacteriophage T4 Proteins. <i>Journal of Biological Chemistry</i> , 2003, 278, 21276-21285.	3.4	52
14	BRG1 co-localizes with DNA replication factors and is required for efficient replication fork progression. <i>Nucleic Acids Research</i> , 2010, 38, 6906-6919.	14.5	52
15	Architecture of the Bacteriophage T4 Replication Complex Revealed with Nanoscale Biopointers. <i>Journal of Biological Chemistry</i> , 2007, 282, 1098-1108.	3.4	48
16	Analysis of re-replication from deregulated origin licensing by DNA fiber spreading. <i>Nucleic Acids Research</i> , 2009, 37, 60-69.	14.5	46
17	MASTL overexpression promotes chromosome instability and metastasis in breast cancer. <i>Oncogene</i> , 2018, 37, 4518-4533.	5.9	45
18	Abasic sites preferentially form at regions undergoing DNA replication. <i>FASEB Journal</i> , 2010, 24, 3674-3680.	0.5	41

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19	SWI/SNF complexes are required for full activation of the DNA-damage response. <i>Oncotarget</i> , 2015, 6, 732-745.	1.8	37
20	FEN1 Functions in Long Patch Base Excision Repair Under Conditions of Oxidative Stress in Vertebrate Cells. <i>Molecular Cancer Research</i> , 2010, 8, 204-215.	3.4	32
21	Analysis of the Okazaki Fragment Distributions along Single Long DNAs Replicated by the Bacteriophage T4 Proteins. <i>Molecular Cell</i> , 2000, 6, 803-814.	9.7	31
22	Accumulation of true single strand breaks and AP sites in base excision repair deficient cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 694, 65-71.	1.0	26
23	Nonrandom AP site distribution in highly proliferative cells. <i>FASEB Journal</i> , 2006, 20, 2612-2614.	0.5	24
24	Titanium dioxide nanoparticles activate the ATM-Chk2 DNA damage response in human dermal fibroblasts. <i>Nanotoxicology</i> , 2013, 7, 1111-1119.	3.0	24
25	Mapping Subunit Location on the <i>Saccharomyces cerevisiae</i> Origin Recognition Complex Free and Bound to DNA Using a Novel Nanoscale Biopointer. <i>Journal of Biological Chemistry</i> , 2004, 279, 36354-36362.	3.4	22
26	Mapping of an origin of DNA replication in the promoter of fragile X gene FMR1. <i>Experimental and Molecular Pathology</i> , 2007, 82, 190-196.	2.1	21
27	JMJD2 promotes acquired cisplatin resistance in non-small cell lung carcinoma cells. <i>Oncogene</i> , 2019, 38, 5643-5657.	5.9	21
28	DNA replication and the GINS complex: localization on extended chromatin fibers. <i>Epigenetics and Chromatin</i> , 2009, 2, 6.	3.9	20
29	DNA replication in early S phase pauses near newly activated origins. <i>Cell Cycle</i> , 2008, 7, 1440-1448.	2.6	19
30	A Late Origin of DNA Replication in the Trinucleotide Repeat Region of the Human FMR2 Gene. <i>Cell Cycle</i> , 2006, 5, 869-872.	2.6	13
31	Single molecule mtDNA fiber FISH for analyzing numtogenesis. <i>Analytical Biochemistry</i> , 2018, 552, 45-49.	2.4	10
32	Early S phase DNA replication: A search for targets of carcinogenesis. <i>Advances in Enzyme Regulation</i> , 2007, 47, 127-138.	2.6	9
33	DNA Damage Checkpoint Responses in the S Phase of Synchronized Diploid Human Fibroblasts. <i>Photochemistry and Photobiology</i> , 2015, 91, 109-116.	2.5	9
34	Temporal and functional analysis of DNA replicated in early S phase. <i>Advances in Enzyme Regulation</i> , 2011, 51, 257-271.	2.6	6
35	Effective intra-S checkpoint responses to UVC in primary human melanocytes and melanoma cell lines. <i>Pigment Cell and Melanoma Research</i> , 2016, 29, 68-80.	3.3	5
36	Implant-derived CoCrMo alloy nanoparticle disrupts DNA replication dynamics in neuronal cells. <i>Cell Biology and Toxicology</i> , 2021, 37, 833-847.	5.3	5

#	ARTICLE	IF	CITATIONS
37	Automated DNA fiber tracking and measurement. , 2011, , .		3
38	The role of Vitamin E in hip implant-related corrosion and toxicity: Initial outcome. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 123, 104769.	3.1	0