

Paul D Chastain

List of Publications by Year in descending order

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Version: 2024-02-01

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 | 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 |
| 2 | The role of Vitamin E in hip implant-related corrosion and toxicity: Initial outcome. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 123, 104769. | 3.1 | 0 |
| 3 | JMJD2 promotes acquired cisplatin resistance in non-small cell lung carcinoma cells. <i>Oncogene</i> , 2019, 38, 5643-5657. | 5.9 | 21 |
| 4 | Single molecule mtDNA fiber FISH for analyzing numtogenesis. <i>Analytical Biochemistry</i> , 2018, 552, 45-49. | 2.4 | 10 |
| 5 | MASTL overexpression promotes chromosome instability and metastasis in breast cancer. <i>Oncogene</i> , 2018, 37, 4518-4533. | 5.9 | 45 |
| 6 | 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 |
| 7 | 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 |
| 8 | SWI/SNF complexes are required for full activation of the DNA-damage response. <i>Oncotarget</i> , 2015, 6, 732-745. | 1.8 | 37 |
| 9 | 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 |
| 10 | Titanium dioxide nanoparticles activate the ATM-Chk2 DNA damage response in human dermal fibroblasts. <i>Nanotoxicology</i> , 2013, 7, 1111-1119. | 3.0 | 24 |
| 11 | Human CST promotes telomere duplex replication and general replication restart after fork stalling. <i>EMBO Journal</i> , 2012, 31, 3537-3549. | 7.8 | 181 |
| 12 | Temporal and functional analysis of DNA replicated in early S phase. <i>Advances in Enzyme Regulation</i> , 2011, 51, 257-271. | 2.6 | 6 |
| 13 | Automated DNA fiber tracking and measurement. , 2011, , . | | 3 |
| 14 | 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 |
| 15 | 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 |
| 16 | Abasic sites preferentially form at regions undergoing DNA replication. <i>FASEB Journal</i> , 2010, 24, 3674-3680. | 0.5 | 41 |
| 17 | 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 |
| 18 | Analysis of re-replication from deregulated origin licensing by DNA fiber spreading. <i>Nucleic Acids Research</i> , 2009, 37, 60-69. | 14.5 | 46 |

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|----|---|-----|-----------|
| 19 | DNA replication and the GINS complex: localization on extended chromatin fibers. <i>Epigenetics and Chromatin</i> , 2009, 2, 6. | 3.9 | 20 |
| 20 | DNA replication in early S phase pauses near newly activated origins. <i>Cell Cycle</i> , 2008, 7, 1440-1448. | 2.6 | 19 |
| 21 | 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 |
| 22 | Architecture of the Bacteriophage T4 Replication Complex Revealed with Nanoscale Biopointers. <i>Journal of Biological Chemistry</i> , 2007, 282, 1098-1108. | 3.4 | 48 |
| 23 | 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 |
| 24 | 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 |
| 25 | Early S phase DNA replication: A search for targets of carcinogenesis. <i>Advances in Enzyme Regulation</i> , 2007, 47, 127-138. | 2.6 | 9 |
| 26 | Checkpoint Regulation of Replication Dynamics in UV-Irradiated Human Cells. <i>Cell Cycle</i> , 2006, 5, 2160-2167. | 2.6 | 54 |
| 27 | 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 |
| 28 | Nonrandom AP site distribution in highly proliferative cells. <i>FASEB Journal</i> , 2006, 20, 2612-2614. | 0.5 | 24 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | Sticky DNA, a Long GAAÂ·GAAÂ·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 |
| 33 | 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 |
| 34 | 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 |
| 35 | Sticky DNA. <i>Molecular Cell</i> , 1999, 3, 465-475. | 9.7 | 305 |
| 36 | Coordinated Leading and Lagging Strand DNA Synthesis on a Minicircular Template. <i>Molecular Cell</i> , 1998, 1, 1001-1010. | 9.7 | 137 |

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|----|--|-----|-----------|
| 37 | CTG repeats associated with human genetic disease are inherently flexible. <i>Journal of Molecular Biology</i> , 1998, 275, 405-411. | 4.2 | 75 |
| 38 | Anomalous Rapid Electrophoretic Mobility of DNA Containing Triplet Repeats Associated with Human Disease Genes. <i>Biochemistry</i> , 1995, 34, 16125-16131. | 2.5 | 83 |