Jason D Fowler

List of Publications by Year
in descending order

17 papers	470 citations	687363 13 h-index	888059 17 g-index
18 all docs	18 docs citations	18 times ranked	414 citing authors

#	Article	IF	Citations
1	Biochemical, Structural, and Physiological Characterization of Terminal Deoxynucleotidyl Transferase. Chemical Reviews, 2006, 106, 2092-2110.	47.7	94
2	Single-turnover Kinetic Analysis of the Mutagenic Potential of 8-Oxo-7,8-dihydro-2â€²-deoxyguanosine during Gap-filling Synthesis Catalyzed by Human DNA Polymerases Î» and Î². Journal of Molecular Biology, 2007, 367, 1258-1269.	4.2	61
3	A Novel Mechanism of Sugar Selection Utilized by a Human X-Family DNA Polymerase. Journal of Molecular Biology, 2010, 395, 282-290.	4.2	53
4	Mechanistic Studies of the Bypass of a Bulky Single-base Lesion Catalyzed by a Y-family DNA Polymerase. Journal of Biological Chemistry, 2009, 284, 6379-6388.	3.4	33
5	Quantitative analysis of the efficiency and mutagenic spectra of abasic lesion bypass catalyzed by human Y-family DNA polymerases. Nucleic Acids Research, 2011, 39, 609-622.	14.5	32
6	Kinetic Basis of Nucleotide Selection Employed by a Protein Template-Dependent DNA Polymerase. Biochemistry, 2010, 49, 5504-5510.	2.5	30
7	Pre-Steady-State Kinetic Analysis of the Incorporation of Anti-HIV Nucleotide Analogs Catalyzed by Human X- and Y-Family DNA Polymerases. Antimicrobial Agents and Chemotherapy, 2011, 55, 276-283.	3.2	28
8	Kinetic Investigation of the Inhibitory Effect of Gemcitabine on DNA Polymerization Catalyzed by Human Mitochondrial DNA Polymerase. Journal of Biological Chemistry, 2008, 283, 15339-15348.	3.4	25
9	Kinetic Basis of Sugar Selection by a Y-Family DNA Polymerase fromSulfolobus solfataricusP2. Biochemistry, 2010, 49, 10179-10186.	2.5	24
10	Presteady State Kinetic Investigation of the Incorporation of Anti-Hepatitis B Nucleotide Analogues Catalyzed by Noncanonical Human DNA Polymerases. Chemical Research in Toxicology, 2012, 25, 225-233.	3.3	17
11	Structural and kinetic insights into binding and incorporation of L-nucleotide analogs by a Y-family DNA polymerase. Nucleic Acids Research, 2014, 42, 9984-9995.	14.5	17
12	Identification of an Unfolding Intermediate for a DNA Lesion Bypass Polymerase. Chemical Research in Toxicology, 2012, 25, 1531-1540.	3.3	15
13	Probing Conformational Changes of Human DNA Polymerase Î» using Mass Spectrometry-Based Protein Footprinting. Journal of Molecular Biology, 2009, 390, 368-379.	4.2	13
14	Identification of Critical Residues for the Tight Binding of Both Correct and Incorrect Nucleotides to Human DNA Polymerase Î». Journal of Molecular Biology, 2010, 403, 505-515.	4.2	13
15	Backbone assignment of the catalytic core of a Y-family DNA polymerase. Biomolecular NMR Assignments, 2010, 4, 207-209.	0.8	6
16	Backbone assignment of the little finger domain of a Y-family DNA polymerase. Biomolecular NMR Assignments, 2011, 5, 195-198.	0.8	5
17	Backbone assignment of the binary complex of the full length Sulfolobus solfataricus DNA polymerase IV and DNA. Biomolecular NMR Assignments, 2017, 11, 39-43.	0.8	4