

Holly Miller

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,097
citations

361413

20
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

2262
citing authors

#	ARTICLE	IF	CITATIONS
1	Connexin-specific cell-to-cell transfer of short interfering RNA by gap junctions. <i>Journal of Physiology</i> , 2005, 568, 459-468.	2.9	252
2	Proteinâ€sulfenic acid stabilization and function in enzyme catalysis and gene regulation. <i>FASEB Journal</i> , 1993, 7, 1483-1490.	0.5	246
3	Mapping the biosphere: exploring species to understand the origin, organization and sustainability of biodiversity. <i>Systematics and Biodiversity</i> , 2012, 10, 1-20.	1.2	182
4	The novel DNA glycosylase, NEIL1, protects mammalian cells from radiation-mediated cell death. <i>DNA Repair</i> , 2003, 2, 581-591.	2.8	168
5	Structure of DNA Polymerase β with the Mutagenic DNA Lesion 8-Oxodeoxyguanine Reveals Structural Insights into Its Coding Potential. <i>Structure</i> , 2003, 11, 121-127.	3.3	133
6	Lesion (in)tolerance reveals insights into DNA replication fidelity. <i>EMBO Journal</i> , 2004, 23, 1494-1505.	7.8	122
7	8-OxodGTP Incorporation by DNA Polymerase β Is Modified by Active-Site Residue Asn279. <i>Biochemistry</i> , 2000, 39, 1029-1033.	2.5	105
8	DNA Polymerase β Protects Mouse Fibroblasts against Oxidative DNA Damage and Is Recruited to Sites of DNA Damage/Repair. <i>Journal of Biological Chemistry</i> , 2005, 280, 31641-31647.	3.4	101
9	Mutagenesis by Acrolein-Derived Propanodeoxyguanosine Adducts in Human Cells. <i>Biochemistry</i> , 2002, 41, 13826-13832.	2.5	95
10	Translesion DNA Synthesis Catalyzed by Human Pol η and Pol θ across 1,N 6-Ethenodeoxyadenosine. <i>Journal of Biological Chemistry</i> , 2001, 276, 18717-18721.	3.4	80
11	Kinetics of DNA Polymerase I (Klenow Fragment Exo-) Activity on Damaged DNA Templates: A Effect of Proximal and Distal Template Damage on DNA Synthesis. <i>Biochemistry</i> , 1997, 36, 15336-15342.	2.5	79
12	Responses to the Major Acrolein-derived Deoxyguanosine Adduct in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 9071-9076.	3.4	79
13	Stereoselective excision of thymine glycol from oxidatively damaged DNA. <i>Nucleic Acids Research</i> , 2004, 32, 338-345.	14.5	63
14	Physicochemical characterization of the endotoxins from <i>Coxiella burnetii</i> strain Priscilla in relation to their bioactivities. <i>BMC Biochemistry</i> , 2004, 5, 1.	4.4	50
15	Mammalian Translesion DNA Synthesis across an Acrolein-derived Deoxyguanosine Adduct. <i>Journal of Biological Chemistry</i> , 2003, 278, 13989-13994.	3.4	43
16	The thermodynamics of template-directed DNA synthesis: Base insertion and extension enthalpies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14719-14724.	7.1	41
17	Kinetic Mechanism of the 3' \rightarrow 5' Proofreading Exonuclease of DNA Polymerase III. Analysis by Steady State and Pre-Steady State Methods. <i>Biochemistry</i> , 1996, 35, 12919-12925.	2.5	39
18	NetiNeti: discovery of scientific names from text using machine learning methods. <i>BMC Bioinformatics</i> , 2012, 13, 211.	2.6	32

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19	The Mammalian DNA Polymerase δ Proliferating Cell Nuclear Antigen Template-Primer Complex: Molecular Characterization by Direct Binding. <i>Biochemistry</i> , 1996, 35, 8268-8274.	2.5	31
20	RNA aptamers selected against DNA polymerase β inhibit the polymerase activities of DNA polymerases β and δ . <i>Nucleic Acids Research</i> , 2006, 34, 2579-2586.	14.5	29
21	An L40C Mutation Converts the Cysteine-Sulfenic Acid Redox Center in Enterococcal NADH Peroxidase to a Disulfide. <i>Biochemistry</i> , 1995, 34, 5180-5190.	2.5	20
22	GenBank and PubMed: How connected are they?. <i>BMC Research Notes</i> , 2009, 2, 101.	1.4	20
23	Knock down of DNA polymerase β by RNA interference: recapitulation of null phenotype. <i>DNA Repair</i> , 2004, 3, 1469-1474.	2.8	19
24	Translesion Synthesis past 2-Deoxyxanthosine, a Nitric Oxide-derived DNA Adduct, by Mammalian DNA Polymerases. <i>Journal of Molecular Biology</i> , 2004, 344, 665-674.	4.2	17
25	LigerCat: using "MeSH Clouds" from journal, article, or gene citations to facilitate the identification of relevant biomedical literature. <i>AMIA ... Annual Symposium proceedings</i> , 2009, 2009, 563-7.	0.2	17
26	The murine DNA glycosylase NEIL2 (mNEIL2) and human DNA polymerase β bind microtubules in situ and in vitro. <i>DNA Repair</i> , 2005, 4, 419-431.	2.8	15
27	DNA repair investigations using siRNA. <i>DNA Repair</i> , 2003, 2, 759-763.	2.8	8
28	A Single Amino Acid Change (E85K) in Human PCNA That Leads, Relative to Wild Type, to Enhanced DNA Synthesis by DNA Polymerase δ past Nucleotide Base Lesions (TLS) as Well as on Unmodified Templates. <i>Biochemistry</i> , 2004, 43, 15915-15921.	2.5	5
29	Site-specific mutagenesis of Drosophila proliferating cell nuclear antigen enhances its effects on calf thymus DNA polymerase delta. <i>BMC Biochemistry</i> , 2004, 5, 13.	4.4	2
30	A model for Bioinformatics training: the marine biological laboratory. <i>Briefings in Bioinformatics</i> , 2010, 11, 610-615.	6.5	2