

# Satya Prakash

## List of Publications by Year in descending order

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224  
papers

21,082  
citations

7096

78  
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11607

135  
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225  
all docs

225  
docs citations

225  
times ranked

6906  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryo-EM structure of translesion DNA synthesis polymerase $\epsilon$ with a base pair mismatch. Nature Communications, 2022, 13, 1050.	12.8	7
2	A novel role of DNA polymerase $\delta$ in translesion synthesis in conjunction with DNA polymerase $\epsilon$ . Life Science Alliance, 2021, 4, e202000900.	2.8	10
3	Structural basis of DNA synthesis opposite 8-oxoguanine by human PrimPol primase-polymerase. Nature Communications, 2021, 12, 4020.	12.8	18
4	DNA polymerase $\delta$ promotes error-free replication through Watson-Crick impairing N1-methyl-deoxyadenosine adduct in conjunction with DNA polymerase $\epsilon$ . Journal of Biological Chemistry, 2021, 297, 100868.	3.4	4
5	Implications of inhibition of Rev1 interaction with Y family DNA polymerases for cisplatin chemotherapy. Genes and Development, 2021, 35, 1256-1270.	5.9	6
6	Structure and mechanism of B-family DNA polymerase $\epsilon$ specialized for translesion DNA synthesis. Nature Structural and Molecular Biology, 2020, 27, 913-924.	8.2	42
7	Genetic evidence for reconfiguration of DNA polymerase $\delta$ active site for error-free translesion synthesis in human cells. Journal of Biological Chemistry, 2020, 295, 5918-5927.	3.4	7
8	Structural insights into mutagenicity of anticancer nucleoside analog cytarabine during replication by DNA polymerase $\delta$ . Scientific Reports, 2019, 9, 16400.	3.3	5
9	Cryo-EM structure and dynamics of eukaryotic DNA polymerase $\delta$ holoenzyme. Nature Structural and Molecular Biology, 2019, 26, 955-962.	8.2	40
10	DNA polymerase $\delta$ accomplishes translesion synthesis opposite 1,N <sup>6</sup> -ethenodeoxyadenosine with a remarkably high fidelity in human cells. Genes and Development, 2019, 33, 282-287.	5.9	12
11	Error-Prone Replication through UV Lesions by DNA Polymerase $\delta$ Protects against Skin Cancers. Cell, 2019, 176, 1295-1309.e15.	28.9	77
12	Translesion synthesis DNA polymerases $\delta$ , $\delta$ <sup>1</sup> , and $\delta$ <sup>1/2</sup> promote mutagenic replication through the anticancer nucleoside cytarabine. Journal of Biological Chemistry, 2019, 294, 19048-19054.	3.4	7
13	Genetic control of predominantly error-free replication through an acrolein-derived minor-groove DNA adduct. Journal of Biological Chemistry, 2018, 293, 2949-2958.	3.4	7
14	Structural basis for polymerase $\delta$ -promoted resistance to the anticancer nucleoside analog cytarabine. Scientific Reports, 2018, 8, 12702.	3.3	11
15	Translesion synthesis DNA polymerases promote error-free replication through the minor-groove DNA adduct 3-deaza-3-methyladenine. Journal of Biological Chemistry, 2017, 292, 18682-18688.	3.4	32
16	Mechanism of error-free DNA synthesis across N1-methyl-deoxyadenosine by human DNA polymerase- $\delta$ <sup>1</sup> . Scientific Reports, 2017, 7, 43904.	3.3	11
17	Human DNA polymerase $\delta$ in binary complex with a DNA:DNA template-primer. Scientific Reports, 2016, 6, 23784.	3.3	36
18	Structure and mechanism of human PrimPol, a DNA polymerase with primase activity. Science Advances, 2016, 2, e1601317.	10.3	65

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19	Response to Burgers etÂal.. Molecular Cell, 2016, 61, 494-495.	9.7	7
20	Genetic Control of Replication through N1-methyladenine in Human Cells. Journal of Biological Chemistry, 2015, 290, 29794-29800.	3.4	22
21	A Major Role of DNA Polymerase Î in Replication of Both the Leading and Lagging DNA Strands. Molecular Cell, 2015, 59, 163-175.	9.7	170
22	Rev1 promotes replication through UV lesions in conjunction with DNA polymerases Î, Î <sup>1</sup> , and Î <sup>2</sup> but not DNA polymerase Î <sup>3</sup> . Genes and Development, 2015, 29, 2588-2602.	5.9	34
23	Crystal Structure of Yeast DNA Polymerase Î <sub>μ</sub> Catalytic Domain. PLoS ONE, 2014, 9, e94835.	2.5	42
24	A Role for DNA Polymerase Î in Promoting Replication through Oxidative DNA Lesion, Thymine Glycol, in Human Cells. Journal of Biological Chemistry, 2014, 289, 13177-13185.	3.4	53
25	Identification of two functional PCNA-binding domains in human DNA polymerase Î <sup>2</sup> . Genes To Cells, 2014, 19, 594-601.	1.2	16
26	An Iron-Sulfur Cluster in the Polymerase Domain of Yeast DNA Polymerase Î <sub>μ</sub> . Journal of Molecular Biology, 2014, 426, 301-308.	4.2	41
27	The architecture of yeast DNA polymerase zeta (927.2). FASEB Journal, 2014, 28, 927.2.	0.5	0
28	The Architecture of Yeast DNA Polymerase Î <sup>3</sup> . Cell Reports, 2013, 5, 79-86.	6.4	31
29	Pol31 and Pol32 subunits of yeast DNA polymerase Î are also essential subunits of DNA polymerase Î <sup>3</sup> . Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12455-12460.	7.1	159
30	Requirement of Rad18 protein for replication through DNA lesions in mouse and human cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7799-7804.	7.1	29
31	Genetic Control of Translesion Synthesis on Leading and Lagging DNA Strands in Plasmids Derived from Epstein-Barr Virus in Human Cells. MBio, 2012, 3, e00271-12.	4.1	8
32	Human DNA Polymerase Î Is Pre-Aligned for dNTP Binding and Catalysis. Journal of Molecular Biology, 2012, 415, 627-634.	4.2	37
33	Structural basis for cisplatin DNA damage tolerance by human polymerase Î during cancer chemotherapy. Nature Structural and Molecular Biology, 2012, 19, 628-632.	8.2	72
34	DNA Synthesis across an Abasic Lesion by Yeast Rev1 DNA Polymerase. Journal of Molecular Biology, 2011, 406, 18-28.	4.2	35
35	Role of Human DNA Polymerase Î <sup>2</sup> in Extension Opposite from a cis-syn Thymine Dimer. Journal of Molecular Biology, 2011, 408, 252-261.	4.2	22
36	Requirement of Replication Checkpoint Protein Kinases Mec1/Rad53 for Postreplication Repair in Yeast. MBio, 2011, 2, e00079-11.	4.1	16

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37	PCNA binding domains in all three subunits of yeast DNA polymerase $\delta$ modulate its function in DNA replication. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17927-17932.	7.1	69
38	Error-free replicative bypass of thymine glycol by the combined action of DNA polymerases $\delta$ and $\epsilon$ in human cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14116-14121.	7.1	64
39	Structural Basis for Error-free Replication of Oxidatively Damaged DNA by Yeast DNA Polymerase $\delta$ . Structure, 2010, 18, 1463-1470.	3.3	29
40	Structural basis for the suppression of skin cancers by DNA polymerase $\delta$ . Nature, 2010, 465, 1039-1043.	27.8	136
41	DNA polymerase $\delta$ lacking the ubiquitin-binding domain promotes replicative lesion bypass in humans cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10401-10405.	7.1	38
42	Error-free replicative bypass of (6 $\beta$ -4) photoproducts by DNA polymerase $\epsilon$ in mouse and human cells. Genes and Development, 2010, 24, 123-128.	5.9	70
43	Pre-Steady State Kinetic Studies of the Fidelity of Nucleotide Incorporation by Yeast DNA Polymerase $\delta$ . Biochemistry, 2010, 49, 7344-7350.	2.5	31
44	Reply to Sabbioneda et al.: Role of ubiquitin-binding motif of human DNA polymerase $\delta$ in translesion synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, .	7.1	4
45	Yeast Rev1 protein promotes complex formation of DNA polymerase $\epsilon$ with Pol32 subunit of DNA polymerase $\delta$ . Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9631-9636.	7.1	54
46	Highly error-free role of DNA polymerase $\delta$ in the replicative bypass of UV-induced pyrimidine dimers in mouse and human cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18219-18224.	7.1	135
47	Role of DNA damage-induced replication checkpoint in promoting lesion bypass by translesion synthesis in yeast. Genes and Development, 2009, 23, 1438-1449.	5.9	46
48	DNA Synthesis across an Abasic Lesion by Human DNA Polymerase $\delta$ . Structure, 2009, 17, 530-537.	3.3	32
49	Replication across Template T/U by Human DNA Polymerase- $\delta$ . Structure, 2009, 17, 974-980.	3.3	20
50	Structural basis of high-fidelity DNA synthesis by yeast DNA polymerase $\delta$ . Nature Structural and Molecular Biology, 2009, 16, 979-986.	8.2	236
51	Structure of the Human Rev1 $\delta$ -DNA $\delta$ -dNTP Ternary Complex. Journal of Molecular Biology, 2009, 390, 699-709.	4.2	67
52	Structural Insights into Yeast DNA Polymerase $\delta$ by Small Angle X-ray Scattering. Journal of Molecular Biology, 2009, 394, 377-382.	4.2	38
53	Structure of Human DNA Polymerase $\delta$ Inserting dATP Opposite an 8-OxoG DNA Lesion. PLoS ONE, 2009, 4, e5766.	2.5	53
54	Protein-Template-Directed Synthesis across an Acrolein-Derived DNA Adduct by Yeast Rev1 DNA Polymerase. Structure, 2008, 16, 239-245.	3.3	59

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55	Requirement of Rad5 for DNA Polymerase $\delta$ -Dependent Translesion Synthesis in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2008, 180, 73-82.	2.9	64
56	Mutational specificity and genetic control of replicative bypass of an abasic site in yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1170-1175.	7.1	77
57	Roles of PCNA-binding and ubiquitin-binding domains in human DNA polymerase $\delta$ in translesion DNA synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17724-17729.	7.1	106
58	Regulation of polymerase exchange between Pol $\delta$ and Pol $\epsilon$ by monoubiquitination of PCNA and the movement of DNA polymerase holoenzyme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5361-5366.	7.1	117
59	Human HLTF functions as a ubiquitin ligase for proliferating cell nuclear antigen polyubiquitination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3768-3773.	7.1	201
60	A Role for Yeast and Human Translesion Synthesis DNA Polymerases in Promoting Replication through 3-Methyl Adenine. <i>Molecular and Cellular Biology</i> , 2007, 27, 7198-7205.	2.3	61
61	Complex Formation of Yeast Rev1 with DNA Polymerase $\delta$ . <i>Molecular and Cellular Biology</i> , 2007, 27, 8401-8408.	2.3	47
62	Requirement of Nse1, a Subunit of the Smc5-Smc6 Complex, for Rad52-Dependent Postreplication Repair of UV-Damaged DNA in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2007, 27, 8409-8418.	2.3	29
63	Requirement of <i>RAD52</i> Group Genes for Postreplication Repair of UV-Damaged DNA in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2007, 27, 7758-7764.	2.3	89
64	ELA1 and CUL3 Are Required Along with ELC1 for RNA Polymerase II Polyubiquitylation and Degradation in DNA-Damaged Yeast Cells. <i>Molecular and Cellular Biology</i> , 2007, 27, 3211-3216.	2.3	68
65	Human DNA Polymerase $\epsilon$ Encircles DNA: Implications for Mismatch Extension and Lesion Bypass. <i>Molecular Cell</i> , 2007, 25, 601-614.	9.7	214
66	Yeast Rad5 Protein Required for Postreplication Repair Has a DNA Helicase Activity Specific for Replication Fork Regression. <i>Molecular Cell</i> , 2007, 28, 167-175.	9.7	252
67	Pre-Steady-State Kinetic Studies of Protein-Template-Directed Nucleotide Incorporation by the Yeast Rev1 Protein. <i>Biochemistry</i> , 2007, 46, 13451-13459.	2.5	19
68	Mutations in the Ubiquitin Binding UBZ Motif of DNA Polymerase $\delta$ Do Not Impair Its Function in Translesion Synthesis during Replication. <i>Molecular and Cellular Biology</i> , 2007, 27, 7266-7272.	2.3	49
69	Hoogsteen base pair formation promotes synthesis opposite the 1,N <sup>6</sup> -ethenodeoxyadenosine lesion by human DNA polymerase $\delta$ . <i>Nature Structural and Molecular Biology</i> , 2006, 13, 619-625.	8.2	105
70	An Incoming Nucleotide Imposes an anti to syn Conformational Change on the Templating Purine in the Human DNA Polymerase- $\delta$ Active Site. <i>Structure</i> , 2006, 14, 749-755.	3.3	60
71	Human SHPRH is a ubiquitin ligase for Mms2-Ubc13-dependent polyubiquitylation of proliferating cell nuclear antigen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18107-18112.	7.1	204
72	Role of Hoogsteen Edge Hydrogen Bonding at Template Purines in Nucleotide Incorporation by Human DNA Polymerase $\delta$ . <i>Molecular and Cellular Biology</i> , 2006, 26, 6435-6441.	2.3	33

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73	Complex Formation with Damage Recognition Protein Rad14 Is Essential for <i>Saccharomyces cerevisiae</i> Rad1-Rad10 Nuclease To Perform Its Function in Nucleotide Excision Repair In Vivo. <i>Molecular and Cellular Biology</i> , 2006, 26, 1135-1141.	2.3	49
74	Yeast and Human Translesion DNA Synthesis Polymerases: Expression, Purification, and Biochemical Characterization. <i>Methods in Enzymology</i> , 2006, 408, 390-407.	1.0	48
75	Mms2-Ubc13-Dependent and -Independent Roles of Rad5 Ubiquitin Ligase in Postreplication Repair and Translesion DNA Synthesis in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2006, 26, 7783-7790.	2.3	100
76	Requirement of ELC1 for RNA Polymerase II Polyubiquitylation and Degradation in Response to DNA Damage in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2006, 26, 3999-4005.	2.3	50
77	Human DNA polymerase $\beta$ forms nonproductive complexes with matched primer termini but not with mismatched primer termini. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15776-15781.	7.1	38
78	Complex Formation with Rev1 Enhances the Proficiency of <i>Saccharomyces cerevisiae</i> DNA Polymerase $\eta$ for Mismatch Extension and for Extension Opposite from DNA Lesions. <i>Molecular and Cellular Biology</i> , 2006, 26, 9555-9563.	2.3	114
79	Replication past a trans -4-Hydroxynonenal Minor-Groove Adduct by the Sequential Action of Human DNA Polymerases $\delta$ and $\epsilon$ . <i>Molecular and Cellular Biology</i> , 2006, 26, 381-386.	2.3	51
80	Ubiquitylation of yeast proliferating cell nuclear antigen and its implications for translesion DNA synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 6477-6482.	7.1	124
81	EUKARYOTIC TRANSLATION SYNTHESIS DNA POLYMERASES: Specificity of Structure and Function. <i>Annual Review of Biochemistry</i> , 2005, 74, 317-353.	11.1	919
82	Hoogsteen base-pairing in DNA replication? (reply). <i>Nature</i> , 2005, 437, E7-E7.	27.8	4
83	Human DNA Polymerase $\delta$ Incorporates dCTP Opposite Template G via a G.C+ Hoogsteen Base Pair. <i>Structure</i> , 2005, 13, 1569-1577.	3.3	120
84	Human DNA Polymerase $\delta$ Promotes Replication through a Ring-Closed Minor-Groove Adduct That Adopts a syn Conformation in DNA. <i>Molecular and Cellular Biology</i> , 2005, 25, 8748-8754.	2.3	43
85	A Single Domain in Human DNA Polymerase $\delta$ Mediates Interaction with PCNA: Implications for Translesion DNA Synthesis. <i>Molecular and Cellular Biology</i> , 2005, 25, 1183-1190.	2.3	55
86	Evidence for a Watson-Crick Hydrogen Bonding Requirement in DNA Synthesis by Human DNA Polymerase $\epsilon$ . <i>Molecular and Cellular Biology</i> , 2005, 25, 7137-7143.	2.3	53
87	Distinct mechanisms of cis-syn thymine dimer bypass by Dpo4 and DNA polymerase $\beta$ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 12359-12364.	7.1	30
88	Complex Formation of Yeast Rev1 and Rev7 Proteins: a Novel Role for the Polymerase-Associated Domain. <i>Molecular and Cellular Biology</i> , 2005, 25, 9734-9740.	2.3	77
89	Trf4 and Trf5 Proteins of <i>Saccharomyces cerevisiae</i> Exhibit Poly(A) RNA Polymerase Activity but No DNA Polymerase Activity. <i>Molecular and Cellular Biology</i> , 2005, 25, 10183-10189.	2.3	51
90	Biochemical evidence for the requirement of Hoogsteen base pairing for replication by human DNA polymerase $\beta$ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10466-10471.	7.1	75

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91	Rev1 Employs a Novel Mechanism of DNA Synthesis Using a Protein Template. <i>Science</i> , 2005, 309, 2219-2222.	12.6	224
92	Requirement of yeast Rad1-Rad10 nuclease for the removal of 3'-blocked termini from DNA strand breaks induced by reactive oxygen species. <i>Genes and Development</i> , 2004, 18, 2283-2291.	5.9	48
93	Human DNA Polymerase $\delta$ Utilizes Different Nucleotide Incorporation Mechanisms Dependent upon the Template Base. <i>Molecular and Cellular Biology</i> , 2004, 24, 936-943.	2.3	57
94	Efficient and Error-Free Replication past a Minor-Groove N <sup>2</sup> -Guanine Adduct by the Sequential Action of Yeast Rev1 and DNA Polymerase $\delta$ . <i>Molecular and Cellular Biology</i> , 2004, 24, 6900-6906.	2.3	99
95	Efficient and Error-Free Replication Past a Minor-Groove DNA Adduct by the Sequential Action of Human DNA Polymerases $\delta$ and $\epsilon$ . <i>Molecular and Cellular Biology</i> , 2004, 24, 5687-5693.	2.3	114
96	Opposing Effects of Ubiquitin Conjugation and SUMO Modification of PCNA on Replicational Bypass of DNA Lesions in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2004, 24, 4267-4274.	2.3	189
97	Dpo4 is hindered in extending a G $\hat{A}$ -T mismatch by a reverse wobble. <i>Nature Structural and Molecular Biology</i> , 2004, 11, 457-462.	8.2	68
98	Replication by human DNA polymerase- $\delta$ occurs by Hoogsteen base-pairing. <i>Nature</i> , 2004, 430, 377-380.	27.8	300
99	Crystal Structure of the Catalytic Core of Human DNA Polymerase Kappa. <i>Structure</i> , 2004, 12, 1395-1404.	3.3	107
100	Translesion Synthesis past Acrolein-derived DNA Adduct, $\hat{I}^3$ -Hydroxypropanodeoxyguanosine, by Yeast and Human DNA Polymerase $\delta$ . <i>Journal of Biological Chemistry</i> , 2003, 278, 784-790.	3.4	78
101	Deoxynucleotide Triphosphate Binding Mode Conserved in Y Family DNA Polymerases. <i>Molecular and Cellular Biology</i> , 2003, 23, 3008-3012.	2.3	24
102	Yeast DNA Polymerase $\delta$ Is an Efficient Extender of Primer Ends Opposite from 7,8-Dihydro-8-Oxoguanine and O <sup>6</sup> -Methylguanine. <i>Molecular and Cellular Biology</i> , 2003, 23, 1453-1459.	2.3	105
103	Mechanism of nucleotide incorporation opposite a thymine-thymine dimer by yeast DNA polymerase $\delta$ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 12093-12098.	7.1	78
104	A mechanism for the exclusion of low-fidelity human Y-family DNA polymerases from base excision repair. <i>Genes and Development</i> , 2003, 17, 2777-2785.	5.9	40
105	Yeast DNA polymerase $\delta$ makes functional contacts with the DNA minor groove only at the incoming nucleoside triphosphate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5113-5118.	7.1	38
106	The Mechanism of Nucleotide Incorporation by Human DNA Polymerase $\delta$ Differs from That of the Yeast Enzyme. <i>Molecular and Cellular Biology</i> , 2003, 23, 8316-8322.	2.3	43
107	Requirement of Watson-Crick Hydrogen Bonding for DNA Synthesis by Yeast DNA Polymerase $\delta$ . <i>Molecular and Cellular Biology</i> , 2003, 23, 5107-5112.	2.3	83
108	Yeast DNA polymerase zeta (zeta) is essential for error-free replication past thymine glycol. <i>Genes and Development</i> , 2003, 17, 77-87.	5.9	92



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109	The Stalling of Transcription at Abasic Sites Is Highly Mutagenic. <i>Molecular and Cellular Biology</i> , 2003, 23, 382-388.	2.3	97
110	Human DNA polymerase $\delta$ uses template-primer misalignment as a novel means for extending mispaired termini and for generating single-base deletions. <i>Genes and Development</i> , 2003, 17, 2191-2199.	5.9	40
111	Yeast RAD26, a Homolog of the Human CSB Gene, Functions Independently of Nucleotide Excision Repair and Base Excision Repair in Promoting Transcription through Damaged Bases. <i>Molecular and Cellular Biology</i> , 2002, 22, 4383-4389.	2.3	46
112	Role of human DNA polymerase $\delta$ as an extender in translesion synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 16000-16005.	7.1	153
113	Yeast Rev1 Protein Is a G Template-specific DNA Polymerase. <i>Journal of Biological Chemistry</i> , 2002, 277, 15546-15551.	3.4	144
114	Stimulation of 3' $\rightarrow$ 5' Exonuclease and 3' $\rightarrow$ 5'-Phosphodiesterase Activities of Yeast Apn2 by Proliferating Cell Nuclear Antigen. <i>Molecular and Cellular Biology</i> , 2002, 22, 6480-6486.	2.3	57
115	Human DINB1-encoded DNA polymerase $\delta$ is a promiscuous extender of mispaired primer termini. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1910-1914.	7.1	157
116	Requirement of RAD5 and MMS2 for Postreplication Repair of UV-Damaged DNA in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2002, 22, 2419-2426.	2.3	164
117	Stimulation of DNA Synthesis Activity of Human DNA Polymerase $\delta$ by PCNA. <i>Molecular and Cellular Biology</i> , 2002, 22, 784-791.	2.3	171
118	Translesion DNA synthesis in eukaryotes: A one- or two-polymerase affair. <i>Genes and Development</i> , 2002, 16, 1872-1883.	5.9	296
119	Requirement of Yeast RAD2, a Homolog of Human XPG Gene, for Efficient RNA Polymerase II Transcription. <i>Cell</i> , 2002, 109, 823-834.	28.9	94
120	Interaction with PCNA Is Essential for Yeast DNA Polymerase $\delta$ Function. <i>Molecular Cell</i> , 2001, 8, 407-415.	9.7	199
121	The Y-Family of DNA Polymerases. <i>Molecular Cell</i> , 2001, 8, 7-8.	9.7	798
122	Structure of the Catalytic Core of <i>S. cerevisiae</i> DNA Polymerase $\delta$ . <i>Molecular Cell</i> , 2001, 8, 417-426.	9.7	347
123	Yeast DNA Polymerase $\delta$ Utilizes an Induced-Fit Mechanism of Nucleotide Incorporation. <i>Cell</i> , 2001, 107, 917-927.	28.9	126
124	Translesion DNA Synthesis by Yeast DNA Polymerase $\delta$ on Templates Containing N <sup>2</sup> -Guanine Adducts of 1,3-Butadiene Metabolites. <i>Journal of Biological Chemistry</i> , 2001, 276, 2517-2522.	3.4	35
125	Requirement of DNA Polymerase $\delta$ for Error-Free Bypass of UV-Induced CC and TC Photoproducts. <i>Molecular and Cellular Biology</i> , 2001, 21, 185-188.	2.3	129
126	Role of DNA Polymerase $\delta$ in the Bypass of a (6-4) TT Photoproduct. <i>Molecular and Cellular Biology</i> , 2001, 21, 3558-3563.	2.3	190



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127	Physical and Functional Interactions of Human DNA Polymerase $\delta$ with PCNA. <i>Molecular and Cellular Biology</i> , 2001, 21, 7199-7206.	2.3	231
128	Requirement for Yeast RAD26, a Homolog of the Human CSB Gene, in Elongation by RNA Polymerase II. <i>Molecular and Cellular Biology</i> , 2001, 21, 8651-8656.	2.3	63
129	Mismatch Extension Ability of Yeast and Human DNA Polymerase $\delta$ . <i>Journal of Biological Chemistry</i> , 2001, 276, 2263-2266.	3.4	51
130	Inefficient Bypass of an Abasic Site by DNA Polymerase $\delta$ . <i>Journal of Biological Chemistry</i> , 2001, 276, 6861-6866.	3.4	105
131	Acidic Residues Critical for the Activity and Biological Function of Yeast DNA Polymerase $\delta$ . <i>Molecular and Cellular Biology</i> , 2001, 21, 2018-2025.	2.3	44
132	Eukaryotic DNA Polymerases: Proposal for a Revised Nomenclature. <i>Journal of Biological Chemistry</i> , 2001, 276, 43487-43490.	3.4	307
133	3'-Phosphodiesterase and 5' Exonuclease Activities of Yeast Apn2 Protein and Requirement of These Activities for Repair of Oxidative DNA Damage. <i>Molecular and Cellular Biology</i> , 2001, 21, 1656-1661.	2.3	66
134	Fidelity and Damage Bypass Ability of <i>Schizosaccharomyces pombe</i> Eso1 Protein, Comprised of DNA Polymerase $\delta$ and Sister Chromatid Cohesion Protein Ctf7. <i>Journal of Biological Chemistry</i> , 2001, 276, 42857-42862.	3.4	24
135	Roles of yeast DNA polymerases delta and zeta and of Rev1 in the bypass of abasic sites. <i>Genes and Development</i> , 2001, 15, 945-954.	5.9	313
136	Efficient and accurate replication in the presence of 7,8-dihydro-8-oxoguanine by DNA polymerase $\delta$ . <i>Nature Genetics</i> , 2000, 25, 458-461.	21.4	342
137	Eukaryotic polymerases $\delta$ and $\epsilon$ act sequentially to bypass DNA lesions. <i>Nature</i> , 2000, 406, 1015-1019.	27.8	622
138	Nucleotide excision repair in yeast. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2000, 451, 13-24.	1.0	318
139	Evidence for the Involvement of Nucleotide Excision Repair in the Removal of Abasic Sites in Yeast. <i>Molecular and Cellular Biology</i> , 2000, 20, 3522-3528.	2.3	78
140	Fidelity of Human DNA Polymerase $\delta$ . <i>Journal of Biological Chemistry</i> , 2000, 275, 7447-7450.	3.4	365
141	Replication past O <sup>6</sup> -Methylguanine by Yeast and Human DNA Polymerase $\delta$ . <i>Molecular and Cellular Biology</i> , 2000, 20, 8001-8007.	2.3	137
142	Apurinic Endonuclease Activity of Yeast Apn2 Protein. <i>Journal of Biological Chemistry</i> , 2000, 275, 22427-22434.	3.4	70
143	Evidence for the Involvement of Nucleotide Excision Repair in the Removal of Abasic Sites in Yeast. <i>Molecular and Cellular Biology</i> , 2000, 20, 3522-3528.	2.3	7
144	Replication past O <sup>6</sup> -Methylguanine by Yeast and Human DNA Polymerase $\delta$ . <i>Molecular and Cellular Biology</i> , 2000, 20, 8001-8007.	2.3	8

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