

Robert E Johnson

List of Publications by Year in descending order

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29
papers

2,881
citations

394421

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526287

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29
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29
docs citations

29
times ranked

2243
citing authors

#	ARTICLE	IF	CITATIONS
1	EUKARYOTIC TRANSLATION SYNTHESIS DNA POLYMERASES: Specificity of Structure and Function. Annual Review of Biochemistry, 2005, 74, 317-353.	11.1	919
2	Structure of the Catalytic Core of <i>S. cerevisiae</i> DNA Polymerase ϵ . Molecular Cell, 2001, 8, 417-426.	9.7	347
3	Structural basis of high-fidelity DNA synthesis by yeast DNA polymerase ϵ . Nature Structural and Molecular Biology, 2009, 16, 979-986.	8.2	236
4	Human DNA Polymerase ϵ Encircles DNA: Implications for Mismatch Extension and Lesion Bypass. Molecular Cell, 2007, 25, 601-614.	9.7	214
5	A Major Role of DNA Polymerase ϵ in Replication of Both the Leading and Lagging DNA Strands. Molecular Cell, 2015, 59, 163-175.	9.7	170
6	Pol31 and Pol32 subunits of yeast DNA polymerase ϵ are also essential subunits of DNA polymerase δ . Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12455-12460.	7.1	159
7	Structural basis for the suppression of skin cancers by DNA polymerase ϵ . Nature, 2010, 465, 1039-1043.	27.8	136
8	Requirement of DNA Polymerase ϵ for Error-Free Bypass of UV-Induced CC and TC Photoproducts. Molecular and Cellular Biology, 2001, 21, 185-188.	2.3	129
9	Biochemical evidence for the requirement of Hoogsteen base pairing for replication by human DNA polymerase δ . Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10466-10471.	7.1	75
10	Structure and mechanism of human PrimPol, a DNA polymerase with primase activity. Science Advances, 2016, 2, e1601317.	10.3	65
11	Role of yeast Rth1 nuclease and its homologs in mutation avoidance, DNA repair, and DNA replication. Current Genetics, 1998, 34, 21-29.	1.7	55
12	Yeast and Human Translesion DNA Synthesis Polymerases: Expression, Purification, and Biochemical Characterization. Methods in Enzymology, 2006, 408, 390-407.	1.0	48
13	Crystal Structure of Yeast DNA Polymerase μ Catalytic Domain. PLoS ONE, 2014, 9, e94835.	2.5	42
14	Structure and mechanism of B-family DNA polymerase η specialized for translesion DNA synthesis. Nature Structural and Molecular Biology, 2020, 27, 913-924.	8.2	42
15	An Iron-Sulfur Cluster in the Polymerase Domain of Yeast DNA Polymerase μ . Journal of Molecular Biology, 2014, 426, 301-308.	4.2	41
16	Cryo-EM structure and dynamics of eukaryotic DNA polymerase ϵ holoenzyme. Nature Structural and Molecular Biology, 2019, 26, 955-962.	8.2	40
17	Human DNA polymerase δ in binary complex with a DNA:DNA template-primer. Scientific Reports, 2016, 6, 23784.	3.3	36
18	Distinct mechanisms of cis-syn thymine dimer bypass by Dpo4 and DNA polymerase δ . Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12359-12364.	7.1	30

#	ARTICLE	IF	CITATIONS
19	Structural Basis for Error-free Replication of Oxidatively Damaged DNA by Yeast DNA Polymerase ϵ . Structure, 2010, 18, 1463-1470.	3.3	29
20	Structural basis of DNA synthesis opposite 8-oxoguanine by human PrimPol primase-polymerase. Nature Communications, 2021, 12, 4020.	12.8	18
21	Mechanism of error-free DNA synthesis across N1-methyl-deoxyadenosine by human DNA polymerase ϵ . Scientific Reports, 2017, 7, 43904.	3.3	11
22	A novel role of DNA polymerase ϵ in translesion synthesis in conjunction with DNA polymerase η . Life Science Alliance, 2021, 4, e202000900.	2.8	10
23	Response to Burgers et al.. Molecular Cell, 2016, 61, 494-495.	9.7	7
24	Genetic evidence for reconfiguration of DNA polymerase ϵ active site for error-free translesion synthesis in human cells. Journal of Biological Chemistry, 2020, 295, 5918-5927.	3.4	7
25	Implications of inhibition of Rev1 interaction with Y family DNA polymerases for cisplatin chemotherapy. Genes and Development, 2021, 35, 1256-1270.	5.9	6
26	Structural insights into mutagenicity of anticancer nucleoside analog cytarabine during replication by DNA polymerase ϵ . Scientific Reports, 2019, 9, 16400.	3.3	5
27	Hoogsteen base-pairing in DNA replication? (reply). Nature, 2005, 437, E7-E7.	27.8	4
28	Global Disease Eradication, the Race for the Last Child. Cynthia A. Needham and Richard Canning. Global Disease Eradication, the Race for the Last Child . Cynthia A. Needham and Richard Canning . 2003. 196 pages. ASM Press, Washington, D.C. ISBN 1-55581-2252. \$29.95. Vector-Borne and Zoonotic Diseases, 2006, 6, 434-434.	1.5	0
29	The architecture of yeast DNA polymerase zeta (927.2). FASEB Journal, 2014, 28, 927.2.	0.5	0