Alena V Makarova

List of Publications by Year
in descending order

24 papers	685 citations	623734 14 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	803 citing authors

#	Article	IF	Citations
1	A four-subunit DNA polymerase Î¶ complex containing Pol Î´ accessory subunits is essential for PCNA-mediated mutagenesis. Nucleic Acids Research, 2012, 40, 11618-11626.	14.5	164
2	Eukaryotic DNA polymerase Î¶. DNA Repair, 2015, 29, 47-55.	2.8	118
3	Oxidative DNA damage stalls the human mitochondrial replisome. Scientific Reports, 2016, 6, 28942.	3.3	59
4	Molecular basis of aflatoxin-induced mutagenesisâ€"role of the aflatoxin B1-formamidopyrimidine adduct. Carcinogenesis, 2014, 35, 1461-1468.	2.8	47
5	Error-prone Replication Bypass of the Primary Aflatoxin B1 DNA Adduct, AFB1-N7-Gua. Journal of Biological Chemistry, 2014, 289, 18497-18506.	3.4	44
6	The Dimeric Architecture of Checkpoint Kinases Mec1ATR and Tel1ATM Reveal a Common Structural Organization. Journal of Biological Chemistry, 2016, 291, 13436-13447.	3.4	35
7	Reading and Misreading 8-oxoguanine, a Paradigmatic Ambiguous Nucleobase. Crystals, 2019, 9, 269.	2.2	28
8	In vitro lesion bypass by human PrimPol. DNA Repair, 2018, 70, 18-24.	2.8	26
9	Inaccurate DNA Synthesis in Cell Extracts of Yeast Producing Active Human DNA Polymerase Iota. PLoS ONE, 2011, 6, e16612.	2.5	25
10	Ribonucleotide incorporation by yeast DNA polymerase Î¶. DNA Repair, 2014, 18, 63-67.	2.8	20
11	Yeast DNA polymerase Î¶ maintains consistent activity and mutagenicity across a wide range of physiological dNTP concentrations. Nucleic Acids Research, 2017, 45, 1200-1218.	14.5	18
12	DNA Damage Tolerance by Eukaryotic DNA Polymerase and Primase PrimPol. International Journal of Molecular Sciences, 2017, 18, 1584.	4.1	16
13	Roles of the active site residues and metal cofactors in noncanonical base-pairing during catalysis by human DNA polymerase iota. DNA Repair, 2014, 22, 67-76.	2.8	15
14	Optimization of the expression, purification and polymerase activity reaction conditions of recombinant human PrimPol. PLoS ONE, 2017, 12, e0184489.	2.5	14
15	Translesion activity of PrimPol on DNA with cisplatin and DNAâ€"protein cross-links. Scientific Reports, 2021, 11, 17588.	3.3	14
16	Alternative splicing at exon 2 results in the loss of the catalytic activity of mouse DNA polymerase iota in vitro. DNA Repair, 2017, 50, 77-82.	2.8	9
17	Identification of amino acid residues involved in the dRP-lyase activity of human Pol Î¹. Scientific Reports, 2017, 7, 10194.	3.3	8
18	A Multifunctional Protein PolDIP2 in DNA Translesion Synthesis. Advances in Experimental Medicine and Biology, 2020, 1241, 35-45.	1.6	7

#	Article	IF	Citations
19	Strand Displacement Activity of PrimPol. International Journal of Molecular Sciences, 2020, 21, 9027.	4.1	6
20	Stalling of Eukaryotic Translesion DNA Polymerases at DNA-Protein Cross-Links. Genes, 2022, 13, 166.	2.4	6
21	The active site residues Gln55 and Arg73 play a key role in DNA damage bypass by S. cerevisiae Pol Î·. Scientific Reports, 2018, 8, 10314.	3.3	5
22	DNA Polymerase and dRP-lyase activities of polymorphic variants of human Pol Î¹. Biochemical Journal, 2021, 478, 1399-1412.	3.7	1
23	In a search of a protective titer: Do we or do we not need to know?. Clinical and Translational Medicine, 2021, 11, e668.	4.0	0
24	Noncanonical prokaryotic X family DNA polymerases lack polymerase activity and act as exonucleases. Nucleic Acids Research, 0, , .	14.5	0