Tahir H Tahirov

List of Publications by Year
in descending order

41 papers	2,166 citations	331670 21 h-index	276875 41 g-index
46 all docs	46 docs citations	46 times ranked	2347 citing authors

#	Article	IF	Citations
1	Structural and functional insight into mismatch extension by human DNA polymerase Î±. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2111744119.	7.1	8
2	Insight into RNAâ€“DNA primer length counting by human primosome. Nucleic Acids Research, 2022, 50, 6264-6270.	14.5	15
3	Efficient discrimination against RNA-containing primers by human DNA polymerase Îµ. Scientific Reports, 2022, 12, .	3.3	4
4	Translesion activity of PrimPol on DNA with cisplatin and DNAâ€“protein cross-links. Scientific Reports, 2021, 11, 17588.	3.3	14
5	Replication protein A binds RNA and promotes R-loop formation. Journal of Biological Chemistry, 2020, 295, 14203-14213.	3.4	26
6	Activity and fidelity of human DNA polymerase Î± depend on primer structure. Journal of Biological Chemistry, 2018, 293, 6824-6843.	3.4	28
7	Ironâ€“Sulfur Clusters in DNA Polymerases and Primases of Eukaryotes. Methods in Enzymology, 2018, 599, 1-20.	1.0	32
8	Structure and Biophysics of CBFÎ²/RUNX and Its Translocation Products. Advances in Experimental Medicine and Biology, 2017, 962, 21-31.	1.6	10
9	Comment on â€œThe [4Fe4S] cluster of human DNA primase functions as a redox switch using DNA charge transportâ€• Science, 2017, 357, .	12.6	12
10	Crystal structure of the human PolÏµ B-subunit in complex with the C-terminal domain of the catalytic subunit. Journal of Biological Chemistry, 2017, 292, 15717-15730.	3.4	30
11	Elaborated Action of the Human Primosome. Genes, 2017, 8, 62.	2.4	41
12	Insight into the Human DNA Primase Interaction with Template-Primer. Journal of Biological Chemistry, 2016, 291, 4793-4802.	3.4	60
13	Mechanism of Concerted RNA-DNA Primer Synthesis by the Human Primosome. Journal of Biological Chemistry, 2016, 291, 10006-10020.	3.4	100
14	Divalent ions attenuate DNA synthesis by human DNA polymerase Î± by changing the structure of the template/primer or by perturbing the polymerase reaction. DNA Repair, 2016, 43, 24-33.	2.8	16
15	Crystal Structure of the Human Primase. Journal of Biological Chemistry, 2015, 290, 5635-5646.	3.4	65
16	Crystal Structure of the Human Pol Î± B Subunit in Complex with the C-terminal Domain of the Catalytic Subunit. Journal of Biological Chemistry, 2015, 290, 14328-14337.	3.4	53
17	Comparison of the kinetic parameters of the truncated catalytic subunit and holoenzyme of human DNA polymerase Ã›. DNA Repair, 2015, 29, 16-22.	2.8	9
18	Structural basis for inhibition of DNA replication by aphidicolin. Nucleic Acids Research, 2014, 42, 14013-14021.	14.5	104

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19	Crystal structure of HIV-1 Tat complexed with human P-TEFb and AFF4. Cell Cycle, 2014, 13, 1788-1797.	2.6	51
20	Crystallization and preliminary X-ray diffraction analysis of human DNA primase. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 206-210.	0.8	7
21	The C-terminal Domain of the DNA Polymerase Catalytic Subunit Regulates the Primase and Polymerase Activities of the Human DNA Polymerase Î±-Primase Complex. Journal of Biological Chemistry, 2014, 289, 22021-22034.	3.4	32
22	A novel variant of DNA polymerase Î¶, Rev3Î”C, highlights differential regulation of Pol32 as a subunit of polymerase Î´ versus Î¶ in Saccharomyces cerevisiae. DNA Repair, 2014, 24, 138-149.	2.8	22
23	Modulation of mutagenesis in eukaryotes by DNA replication fork dynamics and quality of nucleotide pools. Environmental and Molecular Mutagenesis, 2012, 53, 699-724.	2.2	28
24	DNA Polymerase Î´ and Î¶ Switch by Sharing Accessory Subunits of DNA Polymerase Î´. Journal of Biological Chemistry, 2012, 287, 17281-17287.	3.4	144
25	Structure and Function of Eukaryotic DNA Polymerase Î´. Sub-Cellular Biochemistry, 2012, 62, 217-236.	2.4	19
26	Structural Basis of Ets1 Cooperative Binding to Widely Separated Sites on Promoter DNA. PLoS ONE, 2012, 7, e33698.	2.5	18
27	Inaccurate DNA Synthesis in Cell Extracts of Yeast Producing Active Human DNA Polymerase Iota. PLoS ONE, 2011, 6, e16612.	2.5	25
28	Crystal structure of the C-terminal domain of human DNA primase large subunit. Cell Cycle, 2011, 10, 926-931.	2.6	55
29	Crystal structure of HIV-1 Tat complexed with human P-TEFb. Nature, 2010, 465, 747-751.	27.8	255
30	Structural basis of Ets1 cooperative binding to palindromic sequences on stromelysin-1 promoter DNA. Cell Cycle, 2010, 9, 3126-3134.	2.6	27
31	Crystal Structure of Mouse Elf3 C-terminal DNA-binding Domain in Complex with Type II TGF-Î² Receptor Promoter DNA. Journal of Molecular Biology, 2010, 397, 278-289.	4.2	24
32	Preliminary crystallographic analysis of mouse Elf3 C-terminal DNA-binding domain in complex with type II TGF-Î² receptor promoter DNA. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 1261-1263.	0.7	4
33	Functional mapping of the fission yeast DNA polymerase Î´ B-subunit Cdc1 by site-directed and random pentapeptide insertion mutagenesis. BMC Molecular Biology, 2009, 10, 82.	3.0	10
34	Evolution of DNA polymerases: an inactivated polymerase-exonuclease module in Pol Îµ and a chimeric origin of eukaryotic polymerases from two classes of archaeal ancestors. Biology Direct, 2009, 4, 11.	4.6	102
35	Crystallization and preliminary crystallographic analysis of the complex of the second and third regulatory subunits of human Pol Î´. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 822-824.	0.7	3
36	X-ray structure of the complex of regulatory subunits of human DNA polymerase delta. Cell Cycle, 2008, 7, 3026-3036.	2.6	81

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37	Structural basis for transcription elongation by bacterial RNA polymerase. Nature, 2007, 448, 157-162.	27.8	380
38	Compact reduced thioredoxin structure from the thermophilic bacteria Thermus thermophilus. Proteins: Structure, Function and Bioinformatics, 2005, 61, 1032-1037.	2.6	9
39	Crystal structure of a purine/pyrimidine phosphoribosyltransferase-related protein from Thermus thermophilus HB8. Proteins: Structure, Function and Bioinformatics, 2005, 61, 658-665.	2.6	4
40	Structure of a T7 RNA polymerase elongation complex at 2.9â€‰Ã… resolution. Nature, 2002, 420, 43-50.	27.8	218
41	High-Resolution Crystals of Methionine Aminopeptidase fromPyrococcus furiosusObtained by Water-Mediated Transformation. Journal of Structural Biology, 1998, 121, 68-72.	2.8	20