

Tahir H Tahirov

List of Publications by Year in descending order

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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 basis for transcription elongation by bacterial RNA polymerase. <i>Nature</i> , 2007, 448, 157-162.	27.8	380
2	Crystal structure of HIV-1 Tat complexed with human P-TEFb. <i>Nature</i> , 2010, 465, 747-751.	27.8	255
3	Structure of a T7 RNA polymerase elongation complex at 2.9 Å resolution. <i>Nature</i> , 2002, 420, 43-50.	27.8	218
4	DNA Polymerase ϵ and θ Switch by Sharing Accessory Subunits of DNA Polymerase ϵ . <i>Journal of Biological Chemistry</i> , 2012, 287, 17281-17287.	3.4	144
5	Structural basis for inhibition of DNA replication by aphidicolin. <i>Nucleic Acids Research</i> , 2014, 42, 14013-14021.	14.5	104
6	Evolution of DNA polymerases: an inactivated polymerase-exonuclease module in Pol δ and a chimeric origin of eukaryotic polymerases from two classes of archaeal ancestors. <i>Biology Direct</i> , 2009, 4, 11.	4.6	102
7	Mechanism of Concerted RNA-DNA Primer Synthesis by the Human Primosome. <i>Journal of Biological Chemistry</i> , 2016, 291, 10006-10020.	3.4	100
8	X-ray structure of the complex of regulatory subunits of human DNA polymerase delta. <i>Cell Cycle</i> , 2008, 7, 3026-3036.	2.6	81
9	Crystal Structure of the Human Primase. <i>Journal of Biological Chemistry</i> , 2015, 290, 5635-5646.	3.4	65
10	Insight into the Human DNA Primase Interaction with Template-Primer. <i>Journal of Biological Chemistry</i> , 2016, 291, 4793-4802.	3.4	60
11	Crystal structure of the C-terminal domain of human DNA primase large subunit. <i>Cell Cycle</i> , 2011, 10, 926-931.	2.6	55
12	Crystal Structure of the Human Pol δ B Subunit in Complex with the C-terminal Domain of the Catalytic Subunit. <i>Journal of Biological Chemistry</i> , 2015, 290, 14328-14337.	3.4	53
13	Crystal structure of HIV-1 Tat complexed with human P-TEFb and AFF4. <i>Cell Cycle</i> , 2014, 13, 1788-1797.	2.6	51
14	Elaborated Action of the Human Primosome. <i>Genes</i> , 2017, 8, 62.	2.4	41
15	The C-terminal Domain of the DNA Polymerase Catalytic Subunit Regulates the Primase and Polymerase Activities of the Human DNA Polymerase ϵ -Primase Complex. <i>Journal of Biological Chemistry</i> , 2014, 289, 22021-22034.	3.4	32
16	Iron-Sulfur Clusters in DNA Polymerases and Primases of Eukaryotes. <i>Methods in Enzymology</i> , 2018, 599, 1-20.	1.0	32
17	Crystal structure of the human Pol δ B-subunit in complex with the C-terminal domain of the catalytic subunit. <i>Journal of Biological Chemistry</i> , 2017, 292, 15717-15730.	3.4	30
18	Modulation of mutagenesis in eukaryotes by DNA replication fork dynamics and quality of nucleotide pools. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 699-724.	2.2	28

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19	Activity and fidelity of human DNA polymerase δ depend on primer structure. <i>Journal of Biological Chemistry</i> , 2018, 293, 6824-6843.	3.4	28
20	Structural basis of Ets1 cooperative binding to palindromic sequences on stromelysin-1 promoter DNA. <i>Cell Cycle</i> , 2010, 9, 3126-3134.	2.6	27
21	Replication protein A binds RNA and promotes R-loop formation. <i>Journal of Biological Chemistry</i> , 2020, 295, 14203-14213.	3.4	26
22	Inaccurate DNA Synthesis in Cell Extracts of Yeast Producing Active Human DNA Polymerase δ . <i>PLoS ONE</i> , 2011, 6, e16612.	2.5	25
23	Crystal Structure of Mouse E1f3 C-terminal DNA-binding Domain in Complex with Type II TGF- β Receptor Promoter DNA. <i>Journal of Molecular Biology</i> , 2010, 397, 278-289.	4.2	24
24	A novel variant of DNA polymerase δ , Rev3 ^C , highlights differential regulation of Pol32 as a subunit of polymerase δ versus δ in <i>Saccharomyces cerevisiae</i> . <i>DNA Repair</i> , 2014, 24, 138-149.	2.8	22
25	High-Resolution Crystals of Methionine Aminopeptidase from <i>Pyrococcus furiosus</i> Obtained by Water-Mediated Transformation. <i>Journal of Structural Biology</i> , 1998, 121, 68-72.	2.8	20
26	Structure and Function of Eukaryotic DNA Polymerase δ . <i>Sub-Cellular Biochemistry</i> , 2012, 62, 217-236.	2.4	19
27	Structural Basis of Ets1 Cooperative Binding to Widely Separated Sites on Promoter DNA. <i>PLoS ONE</i> , 2012, 7, e33698.	2.5	18
28	Divalent ions attenuate DNA synthesis by human DNA polymerase δ by changing the structure of the template/primer or by perturbing the polymerase reaction. <i>DNA Repair</i> , 2016, 43, 24-33.	2.8	16
29	Insight into RNA-DNA primer length counting by human primosome. <i>Nucleic Acids Research</i> , 2022, 50, 6264-6270.	14.5	15
30	Translesion activity of PrimPol on DNA with cisplatin and DNA-protein cross-links. <i>Scientific Reports</i> , 2021, 11, 17588.	3.3	14
31	Comment on "The [4Fe4S] cluster of human DNA primase functions as a redox switch using DNA charge transport". <i>Science</i> , 2017, 357, .	12.6	12
32	Functional mapping of the fission yeast DNA polymerase δ B-subunit Cdc1 by site-directed and random pentapeptide insertion mutagenesis. <i>BMC Molecular Biology</i> , 2009, 10, 82.	3.0	10
33	Structure and Biophysics of CBF β /RUNX and Its Translocation Products. <i>Advances in Experimental Medicine and Biology</i> , 2017, 962, 21-31.	1.6	10
34	Compact reduced thioredoxin structure from the thermophilic bacteria <i>Thermus thermophilus</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 61, 1032-1037.	2.6	9
35	Comparison of the kinetic parameters of the truncated catalytic subunit and holoenzyme of human DNA polymerase δ . <i>DNA Repair</i> , 2015, 29, 16-22.	2.8	9
36	Structural and functional insight into mismatch extension by human DNA polymerase δ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2111744119.	7.1	8

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37	Crystallization and preliminary X-ray diffraction analysis of human DNA primase. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 206-210.	0.8	7
38	Crystal structure of a purine/pyrimidine phosphoribosyltransferase-related protein from <i>Thermus thermophilus</i> HB8. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 61, 658-665.	2.6	4
39	Preliminary crystallographic analysis of mouse Elf3 C-terminal DNA-binding domain in complex with type II TGF- β 2 receptor promoter DNA. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 1261-1263.	0.7	4
40	Efficient discrimination against RNA-containing primers by human DNA polymerase β . <i>Scientific Reports</i> , 2022, 12, .	3.3	4
41	Crystallization and preliminary crystallographic analysis of the complex of the second and third regulatory subunits of human Pol δ . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 822-824.	0.7	3