

Amit Ketkar

List of Publications by Year in descending order

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33
papers

660
citations

516561

16
h-index

580701

25
g-index

33
all docs

33
docs citations

33
times ranked

951
citing authors

#	ARTICLE	IF	CITATIONS
1	Human Rev1 polymerase disrupts G-quadruplex DNA. <i>Nucleic Acids Research</i> , 2014, 42, 3272-3285.	6.5	62
2	Kinetic Analysis of Human PrimPol DNA Polymerase Activity Reveals a Generally Error-Prone Enzyme Capable of Accurately Bypassing 7,8-Dihydro-8-oxo-2'-deoxyguanosine. <i>Biochemistry</i> , 2014, 53, 6584-6594.	1.2	57
3	Synthesis and biological evaluation of novel 4,5-disubstituted 2H-1,2,3-triazoles as cis-constrained analogues of combretastatin A-4. <i>European Journal of Medicinal Chemistry</i> , 2015, 103, 123-132.	2.6	56
4	Inositol serves as a natural inhibitor of mitochondrial fission by directly targeting AMPK. <i>Molecular Cell</i> , 2021, 81, 3803-3819.e7.	4.5	39
5	Evidence for the Kinetic Partitioning of Polymerase Activity on G-Quadruplex DNA. <i>Biochemistry</i> , 2015, 54, 3218-3230.	1.2	37
6	Human Translesion Polymerase η Exhibits Enhanced Activity and Reduced Fidelity Two Nucleotides from G-Quadruplex DNA. <i>Biochemistry</i> , 2016, 55, 5218-5229.	1.2	36
7	1-Benzyl-2-methyl-3-indolylmethylene barbituric acid derivatives: Anti-cancer agents that target nucleophosmin 1 (NPM1). <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 7226-7233.	1.4	35
8	Synthesis and evaluation of a series of resveratrol analogues as potent anti-cancer agents that target tubulin. <i>MedChemComm</i> , 2015, 6, 788-794.	3.5	31
9	Proteomic Identification of Immunoproteasome Accumulation in Formalin-Fixed Rodent Spinal Cords with Experimental Autoimmune Encephalomyelitis. <i>Journal of Proteome Research</i> , 2012, 11, 1791-1803.	1.8	27
10	A Small-Molecule Inhibitor of Human DNA Polymerase δ Potentiates the Effects of Cisplatin in Tumor Cells. <i>Biochemistry</i> , 2018, 57, 1262-1273.	1.2	27
11	<i>N</i> -Aroyl Indole Thiobarbituric Acids as Inhibitors of DNA Repair and Replication Stress Response Polymerases. <i>ACS Chemical Biology</i> , 2013, 8, 1722-1729.	1.6	25
12	Antinociceptive effects of the 6-O -sulfate ester of morphine in normal and diabetic rats: Comparative role of μ - and δ -opioid receptors. <i>Pharmacological Research</i> , 2016, 113, 335-347.	3.1	21
13	A Structural Basis for the Role of Nucleotide Specifying Residues in Regulating the Oligomerization of the Rv1625c Adenylyl Cyclase from <i>M.tuberculosis</i> . <i>Journal of Molecular Biology</i> , 2006, 356, 904-916.	2.0	19
14	Residues in the RecQ C-terminal Domain of the Human Werner Syndrome Helicase Are Involved in Unwinding G-quadruplex DNA. <i>Journal of Biological Chemistry</i> , 2017, 292, 3154-3163.	1.6	19
15	Synthesis, anticancer activity and molecular docking studies on a series of heterocyclic trans-cyanocombretastatin analogues as antitubulin agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 212-220.	2.6	18
16	Inhibition of Human DNA Polymerases Eta and Kappa by Indole-Derived Molecules Occurs through Distinct Mechanisms. <i>ACS Chemical Biology</i> , 2019, 14, 1337-1351.	1.6	18
17	Leukotriene Biosynthesis Inhibitor MK886 Impedes DNA Polymerase Activity. <i>Chemical Research in Toxicology</i> , 2013, 26, 221-232.	1.7	17
18	Identification of a New Motif Required for the 3' to 5' Exonuclease Activity of Escherichia coli DNA Polymerase I (Klenow Fragment). <i>Journal of Biological Chemistry</i> , 2008, 283, 17979-17990.	1.6	15

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19	A new DNA polymerase I from <i>Geobacillus caldxylosilyticus</i> TK4: cloning, characterization, and mutational analysis of two aromatic residues. <i>Applied Microbiology and Biotechnology</i> , 2009, 84, 105-117.	1.7	14
20	Enhancement of Human DNA Polymerase $\hat{\iota}$ Activity and Fidelity Is Dependent Upon a Bipartite Interaction with the Werner Syndrome Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 42312-42323.	1.6	14
21	Human Rev1 relies on insert-2 to promote selective binding and accurate replication of stabilized G-quadruplex motifs. <i>Nucleic Acids Research</i> , 2021, 49, 2065-2084.	6.5	13
22	The Werner syndrome protein limits the error-prone 8-oxo-dG lesion bypass activity of human DNA polymerase kappa. <i>Nucleic Acids Research</i> , 2014, 42, 12027-12040.	6.5	11
23	Inhibition of tryptophan 2,3-dioxygenase impairs DNA damage tolerance and repair in glioma cells. <i>NAR Cancer</i> , 2021, 3, zcab014.	1.6	10
24	Purification, crystallization and preliminary X-ray diffraction analysis of the catalytic domain of adenylyl cyclase Rv1625c from <i>Mycobacterium tuberculosis</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 371-373.	2.5	9
25	Dioxol and dihydrodioxin analogs of 2- and 3-phenylacetone nitriles as potent anti-cancer agents with nanomolar activity against a variety of human cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2164-2169.	1.0	9
26	A Nucleotide-Analogue-Induced Gain of Function Corrects the Error-Prone Nature of Human DNA Polymerase iota. <i>Journal of the American Chemical Society</i> , 2012, 134, 10698-10705.	6.6	7
27	Synthesis and Evaluation of 2-Naphthaleno trans-Stilbenes and Cyanostilbenes as Anticancer Agents. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2018, 18, 556-564.	0.9	7
28	Differential Furanose Selection in the Active Sites of Archaeal DNA Polymerases Probed by Fixed-Conformation Nucleotide Analogues. <i>Biochemistry</i> , 2012, 51, 9234-9244.	1.2	5
29	Site-Specific Synthesis of Oligonucleotides Containing 6-Oxo-M ₁ dG, the Genomic Metabolite of M ₁ dG, and Liquid Chromatography-Tandem Mass Spectrometry Analysis of Its In Vitro Bypass by Human Polymerase $\hat{\iota}$. <i>Chemical Research in Toxicology</i> , 2021, 34, 2567-2578.	1.7	2
30	DNA Polymerase Kappa Acts as a Barrier to Unrestrained Replication in Glioblastoma. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
31	Deletion of putative xenobiotic response elements (XREs) in hpol $\hat{\iota}$ alters the replication stress response and overall genomic instability in glioblastoma cells. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
32	Selective Binding Of Human Rev1 With G-Quadruplex DNA Is Determined By A Region Unique to Higher Eukaryotes. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
33	Identification and characterization of novel small molecule inhibitors of the human $\hat{\iota}$ -family DNA polymerases. <i>FASEB Journal</i> , 2013, 27, 543.1.	0.2	0