

Benu Brata Das

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8387468/publications.pdf>

Version: 2024-02-01

53
papers

4,397
citations

201575

27
h-index

175177

52
g-index

54
all docs

54
docs citations

54
times ranked

6414
citing authors

#	ARTICLE	IF	CITATIONS
1	Trapping of PARP1 and PARP2 by Clinical PARP Inhibitors. <i>Cancer Research</i> , 2012, 72, 5588-5599.	0.4	1,657
2	Tyrosyl-DNA-phosphodiesterases (TDP1 and TDP2). <i>DNA Repair</i> , 2014, 19, 114-129.	1.3	253
3	Camptothecin induced mitochondrial dysfunction leading to programmed cell death in unicellular hemoflagellate <i>Leishmania donovani</i> . <i>Cell Death and Differentiation</i> , 2004, 11, 924-936.	5.0	219
4	Ataxia telangiectasia mutated activation by transcription and topoisomerase induced DNA double-strand breaks. <i>EMBO Reports</i> , 2009, 10, 887-893.	2.0	208
5	PARP1-TDP1 coupling for the repair of topoisomerase induced DNA damage. <i>Nucleic Acids Research</i> , 2014, 42, 4435-4449.	6.5	163
6	Tyrosyl-DNA Phosphodiesterase 1 (TDP1) Repairs DNA Damage Induced by Topoisomerases I and II and Base Alkylation in Vertebrate Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 12848-12857.	1.6	155
7	Mitochondria-Dependent Reactive Oxygen Species-Mediated Programmed Cell Death Induced by 3,3-Diindolylmethane through Inhibition of FOF1-ATP Synthase in Unicellular Protozoan Parasite <i>Leishmania donovani</i> . <i>Molecular Pharmacology</i> , 2008, 74, 1292-1307.	1.0	148
8	Optimal function of the DNA repair enzyme TDP1 requires its phosphorylation by ATM and/or DNA-PK. <i>EMBO Journal</i> , 2009, 28, 3667-3680.	3.5	125
9	Role of tyrosyl-DNA phosphodiesterase (TDP1) in mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19790-19795.	3.3	124
10	Camptothecin-induced Imbalance in Intracellular Cation Homeostasis Regulates Programmed Cell Death in Unicellular Hemoflagellate <i>Leishmania donovani</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 52366-52375.	1.6	106
11	Apoptosis is induced in leishmanial cells by a novel protein kinase inhibitor withaferin A and is facilitated by apoptotic topoisomerase-DNA complex. <i>Cell Death and Differentiation</i> , 2007, 14, 358-367.	5.0	105
12	Mitochondrial Topoisomerase I is Critical for Mitochondrial Integrity and Cellular Energy Metabolism. <i>PLoS ONE</i> , 2012, 7, e41094.	1.1	93
13	Betulinic Acid, a Catalytic Inhibitor of Topoisomerase I, Inhibits Reactive Oxygen Species-Mediated Apoptotic Topoisomerase-DNA Cleavable Complex Formation in Prostate Cancer Cells but Does Not Affect the Process of Cell Death. <i>Cancer Research</i> , 2007, 67, 11848-11858.	0.4	85
14	Differential induction of <i>Leishmania donovani</i> bi-subunit topoisomerase I-DNA cleavage complex by selected flavones and camptothecin: activity of flavones against camptothecin-resistant topoisomerase I. <i>Nucleic Acids Research</i> , 2006, 34, 1121-1132.	6.5	74
15	Reconstitution and functional characterization of the unusual bi-subunit type I DNA topoisomerase from <i>Leishmania donovani</i> . <i>FEBS Letters</i> , 2004, 565, 81-88.	1.3	72
16	Design, synthesis and evaluation of thiohydantoin derivatives as potent topoisomerase I (Top1) inhibitors with anticancer activity. <i>European Journal of Medicinal Chemistry</i> , 2015, 102, 540-551.	2.6	62
17	The caspase-independent algorithm of programmed cell death in <i>Leishmania</i> induced by baicalein: the role of LdEndoG, LdFEN-1 and LdTatD as a DNA "degradesome". <i>Cell Death and Differentiation</i> , 2008, 15, 1629-1640.	5.0	61
18	Discovery and Mechanistic Study of Tailor-Made Quinoline Derivatives as Topoisomerase 1 Poison with Potent Anticancer Activity. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 3428-3446.	2.9	54

#	ARTICLE	IF	CITATIONS
19	Poly(ADP-ribose) polymers regulate DNA topoisomerase I (Top1) nuclear dynamics and camptothecin sensitivity in living cells. <i>Nucleic Acids Research</i> , 2016, 44, 8363-8375.	6.5	49
20	SCAN1-TDP1 trapping on mitochondrial DNA promotes mitochondrial dysfunction and mitophagy. <i>Science Advances</i> , 2019, 5, eaax9778.	4.7	43
21	PRMT5-mediated arginine methylation of TDP1 for the repair of topoisomerase I covalent complexes. <i>Nucleic Acids Research</i> , 2018, 46, 5601-5617.	6.5	40
22	N-terminal Region of the Large Subunit of <i>Leishmania donovani</i> Bisubunit Topoisomerase I Is Involved in DNA Relaxation and Interaction with the Smaller Subunit. <i>Journal of Biological Chemistry</i> , 2005, 280, 16335-16344.	1.6	36
23	An insight into the mechanism of inhibition of unusual bi-subunit topoisomerase I from <i>Leishmania donovani</i> by 3,3'-di-indolylmethane, a novel DNA topoisomerase I poison with a strong binding affinity to the enzyme. <i>Biochemical Journal</i> , 2008, 409, 611-622.	1.7	36
24	Topoisomerases of kinetoplastid parasites: why so fascinating?. <i>Molecular Microbiology</i> , 2006, 62, 917-927.	1.2	35
25	DNA Topoisomerases of <i>Leishmania</i> : The Potential Targets for Anti-Leishmanial Therapy. <i>Advances in Experimental Medicine and Biology</i> , 2008, 625, 103-115.	0.8	32
26	Increased interferon gamma production by peripheral blood mononuclear cells in response to stimulation of overexpressed disease-specific 9-O-acetylated sialoglycoconjugates in children suffering from acute lymphoblastic leukaemia. <i>British Journal of Haematology</i> , 2005, 128, 35-41.	1.2	29
27	<i>Leishmania donovani</i> : Intracellular ATP level regulates apoptosis-like death in luteolin induced dyskinetoplastid cells. <i>Experimental Parasitology</i> , 2006, 114, 204-214.	0.5	29
28	Epigenetic and genetic inactivation of tyrosyl-DNA-phosphodiesterase 1 (TDP1) in human lung cancer cells from the NCI-60 panel. <i>DNA Repair</i> , 2014, 13, 1-9.	1.3	28
29	Neutral Porphyrin Derivative Exerts Anticancer Activity by Targeting Cellular Topoisomerase I (Top1) and Promotes Apoptotic Cell Death without Stabilizing Top1-DNA Cleavage Complexes. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 804-817.	2.9	28
30	Induced Aggregation of AlE ⁺ Active Mono ⁻ Cyclometalated Ir(III) Complex into Supramolecular Branched Wires for Light ⁻ Emitting Diodes. <i>Small</i> , 2017, 13, 1603780.	5.2	23
31	Pyridine-pyrazole based Al ⁺ turn on TM sensor for MCF7 cancer cell imaging and detection of picric acid. <i>RSC Advances</i> , 2021, 11, 10094-10109.	1.7	22
32	Cerberus Nanoparticles: Cotargeting of Mitochondrial DNA and Mitochondrial Topoisomerase I in Breast Cancer Cells. <i>ACS Applied Nano Materials</i> , 2018, 1, 2195-2205.	2.4	16
33	Nonmuscle myosin IIA and IIB differentially modulate migration and alter gene expression in primary mouse tumorigenic cells. <i>Molecular Biology of the Cell</i> , 2019, 30, 1463-1476.	0.9	16
34	LeishMan TM topoisomerase I: an ideal chimera for unraveling the role of the small subunit of unusual bi-subunit topoisomerase I from <i>Leishmania donovani</i> . <i>Nucleic Acids Research</i> , 2006, 34, 6286-6297.	6.5	15
35	A novel metallogel based approach to synthesize (Mn, Cu) doped ZnS quantum dots and labeling of MCF-7 cancer cells. <i>Dalton Transactions</i> , 2018, 47, 6557-6569.	1.6	15
36	Top1-PARP1 association and beyond: from DNA topology to break repair. <i>NAR Cancer</i> , 2021, 3, zcab003.	1.6	15

#	ARTICLE	IF	CITATIONS
37	Leishmania donovani bisubunit topoisomerase β gene fusion leads to an active enzyme with conserved type β IB enzyme function. FEBS Journal, 2007, 274, 150-163.	2.2	13
38	Lanthanide clusters of phenanthroline containing a pyridine-pyrazole based ligand: magnetism and cell imaging. Dalton Transactions, 2021, 50, 3593-3609.	1.6	13
39	Thiol-Disulfide Exchange Reaction Promoted Highly Efficient Cellular Uptake of Pyridyl Disulfide Appended Nonionic Polymers. ChemBioChem, 2020, 21, 2921-2926.	1.3	11
40	Trapped topoisomerase-DNA covalent complexes in the mitochondria and their role in human diseases. Mitochondrion, 2021, 60, 234-244.	1.6	11
41	The large subunit of <i>Leishmania</i> topoisomerase I functions as the β -molecular steer™ in type IB topoisomerase. Molecular Microbiology, 2008, 67, 31-46.	1.2	10
42	Leishmania donovani: Dyskinetoplastid cells survive and proliferate in the presence of pyruvate and uridine but do not undergo apoptosis after treatment with camptothecin. Experimental Parasitology, 2007, 115, 215-219.	0.5	10
43	Amino acids 39-456 of the large subunit and 210-262 of the small subunit constitute the minimal functionally interacting fragments of the unusual heterodimeric topoisomerase IB of <i>Leishmania</i> . Biochemical Journal, 2008, 409, 481-489.	1.7	10
44	Proteasomal inhibition triggers viral oncoprotein degradation via autophagy-lysosomal pathway. PLoS Pathogens, 2020, 16, e1008105.	2.1	10
45	Synergistic Experimental and Theoretical Studies of Luminescent Magnetic Ln ₂ Zn ₆ Clusters. Inorganic Chemistry, 2022, 61, 2141-2153.	1.9	8
46	Development of a metabolically stable topoisomerase I poison as anticancer agent. European Journal of Medicinal Chemistry, 2020, 202, 112551.	2.6	7
47	Topoisomerase research of kinetoplastid parasite Leishmania, with special reference to development of therapeutics. Indian Journal of Medical Research, 2006, 123, 221-32.	0.4	7
48	Supramolecular Design Strategies for Color Tuning of Iridium(III) Complexes Using a Common Framework of Cyclometalating Ligands. Journal of Physical Chemistry C, 2021, 125, 4730-4742.	1.5	6
49	Post-translational regulation of Tyrosyl-DNA phosphodiesterase (TDP1 and TDP2) for the repair of the trapped topoisomerase-DNA covalent complex. DNA Repair, 2022, 111, 103277.	1.3	4
50	Interplay between symmetric arginine dimethylation and ubiquitylation regulates TDP1 proteostasis for the repair of topoisomerase I-DNA adducts. Cell Reports, 2022, 39, 110940.	2.9	3
51	TDP1 knockout <i>Leishmania donovani</i> accumulate topoisomerase I-linked DNA damage and are hypersensitive to clinically used antileishmanial drugs. FASEB Journal, 2022, 36, e22265.	0.2	2
52	N-terminal region of the large subunit of Leishmania donovani bisubunit topoisomerase I is involved in DNA relaxation and interaction with the smaller subunit. VOLUME 280 (2005) PAGES 16335-16344. Journal of Biological Chemistry, 2006, 281, 40528.	1.6	1
53	Tyrosyl-DNA-Phosphodiesterase. Cancer Drug Discovery and Development, 2012, , 335-354.	0.2	0