Souvik Sengupta

List of Publications by Year
in descending order

22	703	687363 13	713466 21
papers	citations	h-index	g-index

22	22	22	1262
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PARP1â€“TDP1 coupling for the repair of topoisomerase Iâ€“induced DNA damage. Nucleic Acids Research, 2014, 42, 4435-4449.	14.5	163
2	16Î±â€Hydroxyclerodaâ€3,13 (14)Zâ€dienâ€15,16â€olide from Polyalthia longifolia: a safe and orally active antileishmanial agent. British Journal of Pharmacology, 2010, 159, 1143-1150.	5.4	65
3	The caspase-independent algorithm of programmed cell death in Leishmania induced by baicalein: the role of LdEndoG, LdFEN-1 and LdTatD as a DNA â€˜degradesomeâ€™. Cell Death and Differentiation, 2008, 15, 1629-1640.	11.2	61
4	Novel Betulin Derivatives as Antileishmanial Agents with Mode of Action Targeting Type IB DNA Topoisomerase. Molecular Pharmacology, 2011, 80, 694-703.	2.3	56
5	The lignan niranthin poisons Leishmania donovani topoisomerase IB and favours a Th1 immune response in mice. EMBO Molecular Medicine, 2012, 4, 1126-1143.	6.9	55
6	Poly(ADP-ribose) polymers regulate DNA topoisomerase I (Top1) nuclear dynamics and camptothecin sensitivity in living cells. Nucleic Acids Research, 2016, 44, 8363-8375.	14.5	49
7	Antileishmanial activity mediated by apoptosis and structure-based target study of peganine hydrochloride dihydrate: an approach for rational drug design. Journal of Antimicrobial Chemotherapy, 2008, 62, 998-1002.	3.0	40
8	Disuccinyl Betulin Triggers Metacaspase-Dependent Endonuclease G-Mediated Cell Death in Unicellular Protozoan Parasite Leishmania donovani. Antimicrobial Agents and Chemotherapy, 2014, 58, 2186-2201.	3.2	40
9	Cryptolepine-Induced Cell Death ofLeishmania donovaniPromastigotes Is Augmented by Inhibition of Autophagy. Molecular Biology International, 2011, 2011, 1-12.	1.7	29
10	Neutral Porphyrin Derivative Exerts Anticancer Activity by Targeting Cellular Topoisomerase I (Top1) and Promotes Apoptotic Cell Death without Stabilizing Top1-DNA Cleavage Complexes. Journal of Medicinal Chemistry, 2018, 61, 804-817.	6.4	28
11	Development of Derivatives of 3, 3â€²-Diindolylmethane as Potent Leishmania donovani Bi-Subunit Topoisomerase IB Poisons. PLoS ONE, 2011, 6, e28493.	2.5	19
12	MRX protects fork integrity at proteinâ€“DNA barriers, and its absence causes checkpoint activation dependent on chromatin context. Nucleic Acids Research, 2013, 41, 3173-3189.	14.5	17
13	ZnO nanoparticles-associated mitochondrial stress-induced apoptosis and G2/M arrest in HaCaT cells: a mechanistic approach. Mutagenesis, 2019, 34, 265-277.	2.6	17
14	Anti-leishmanial Nanotherapeutics: A Current Perspective. Current Drug Metabolism, 2019, 20, 473-482.	1.2	11
15	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.	1.2	10
16	Amino acids 39â€“456 of the large subunit and 210â€“262 of the small subunit constitute the minimal functionally interacting fragments of the unusual heterodimeric topoisomerase IB of Leishmania. Biochemical Journal, 2008, 409, 481-489.	3.7	10
17	A novel nanoliposomal formulation of the FDA approved drug Halofantrine causes cell death of Leishmania donovani promastigotes in vitro. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 582, 123852.	4.7	7
18	ATP independent type IB topoisomerase of Leishmania donovani is stimulated by ATP: an insight into the functional mechanism. Nucleic Acids Research, 2011, 39, 3295-3309.	14.5	6

#	Article	IF	Citations
19	Flavone-resistant Leishmania donovani Overexpresses LdMRP2 Transporter in the Parasite and Activates Host MRP2 on Macrophages to Circumvent the Flavone-mediated Cell Death. Journal of Biological Chemistry, 2014, 289, 16129-16147.	3.4	6
20	Conjugated Eicosapentaenoic Acid (cEPA) Inhibits L. donovani Topoisomerase I and has an Antiproliferative Activity Against L. donovani Promastigotes. The Open Antimicrobial Agents Journal, 2011, 3, 23-29.	0.2	6
21	Mutational studies reveal lysine 352 on the large subunit is indispensable for catalytic activity of bi-subunit topoisomerase I from Leishmania donovani. Molecular and Biochemical Parasitology, 2009, 165, 57-66.	1.1	5
22	DNA Damage, Repair, and Maintenance of Telomere Length. , 2018, , 287-307.		3