

Joseph E Deweese

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

987
citations

16
h-index

31
g-index

34
ext. papers

1,115
ext. citations

5.2
avg, IF

4.42
L-index

#	Paper	IF	Citations
31	The DNA cleavage reaction of topoisomerase II: wolf in sheep's clothing. <i>Nucleic Acids Research</i> , 2009 , 37, 738-48	20.1	323
30	A novel and unified two-metal mechanism for DNA cleavage by type II and IA topoisomerases. <i>Nature</i> , 2010 , 465, 641-4	50.4	118
29	DNA Topology and Topoisomerases: Teaching a "Knotty" Subject. <i>Biochemistry and Molecular Biology Education</i> , 2008 , 37, 2-10	1.3	81
28	DNA cleavage and opening reactions of human topoisomerase II β are regulated via Mg ²⁺ -mediated dynamic bending of gate-DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 2925-30	11.5	47
27	The use of divalent metal ions by type II topoisomerases. <i>Metallomics</i> , 2010 , 2, 450-9	4.5	43
26	Human topoisomerase II α uses a two-metal-ion mechanism for DNA cleavage. <i>Nucleic Acids Research</i> , 2008 , 36, 4883-93	20.1	41
25	Etoposide quinone is a redox-dependent topoisomerase II poison. <i>Biochemistry</i> , 2011 , 50, 5660-7	3.2	39
24	Etoposide quinone is a covalent poison of human topoisomerase II β . <i>Biochemistry</i> , 2014 , 53, 3229-36	3.2	35
23	Using 3Sbridging phosphorothiolates to isolate the forward DNA cleavage reaction of human topoisomerase II α . <i>Biochemistry</i> , 2008 , 47, 4129-40	3.2	33
22	HU-331 is a catalytic inhibitor of topoisomerase II β . <i>Chemical Research in Toxicology</i> , 2014 , 27, 2044-51	4	25
21	Examination of the Impact of Copper(II) [N]-Heterocyclic Thiosemicarbazone Complexes on DNA Topoisomerase II β . <i>Chemical Research in Toxicology</i> , 2016 , 29, 649-58	4	24
20	Coordinating the two protomer active sites of human topoisomerase II α : nicks as topoisomerase II poisons. <i>Biochemistry</i> , 2009 , 48, 1439-41	3.2	23
19	Two-Mechanism Model for the Interaction of Etoposide Quinone with Topoisomerase II β . <i>Chemical Research in Toxicology</i> , 2016 , 29, 1541-8	4	21
18	Catalytic core of human topoisomerase II β : insights into enzyme-DNA interactions and drug mechanism. <i>Biochemistry</i> , 2014 , 53, 6595-602	3.2	21
17	Etoposide catechol is an oxidizable topoisomerase II poison. <i>Chemical Research in Toxicology</i> , 2013 , 26, 1156-8	4	18
16	Examining the Impact of Antimicrobial Fluoroquinolones on Human DNA Topoisomerase II β and II α . <i>ACS Omega</i> , 2019 , 4, 4049-4055	3.9	16
15	Metal ion interactions in the DNA cleavage/ligation active site of human topoisomerase II α . <i>Biochemistry</i> , 2009 , 48, 8940-7	3.2	15

14	Use of divalent metal ions in the dna cleavage reaction of human type II topoisomerases. <i>Biochemistry</i> , 2009 , 48, 1862-9	3.2	14
13	Cu(II) Benzoylpyridine Thiosemicarbazone Complexes: Inhibition of Human Topoisomerase II <i>α</i> and Activity against Breast Cancer Cells. <i>Open Journal of Inorganic Chemistry</i> , 2016 , 06, 146-154	0.2	10
12	HU-331 and Oxidized Cannabidiol Act as Inhibitors of Human Topoisomerase II <i>α</i> <i>Chemical Research in Toxicology</i> , 2018 , 31, 137-144	4	9
11	Inhibitors and Poisons of Mammalian Type II Topoisomerases. <i>Advances in Molecular Toxicology</i> , 2017 , 11, 203-240	0.4	9
10	Structural and Metal Ion Effects on Human Topoisomerase II <i>α</i> Inhibition by π (N)-Heterocyclic Thiosemicarbazones. <i>Chemical Research in Toxicology</i> , 2019 , 32, 90-99	4	8
9	Clarifying the Mechanism of Copper(II) π (N)-Heterocyclic Thiosemicarbazone Complexes on DNA Topoisomerase II <i>α</i> and II <i>β</i> <i>Chemical Research in Toxicology</i> , 2019 , 32, 2135-2143	4	6
8	Measuring Pharmacy Student Attitudes Toward Prayer: The Student Prayer Attitude Scale (SPAS). <i>Christian Higher Education</i> , 2017 , 16, 200-210	0.4	3
7	Cannabidiol oxidation product HU-331 is a potential anticancer cannabinoid-quinone: a narrative review. <i>Journal of Cannabis Research</i> , 2021 , 3, 11	2.5	3
6	Synthesis and evaluation of etoposide and podophyllotoxin analogs against topoisomerase II <i>α</i> and HCT-116 cells. <i>Bioorganic and Medicinal Chemistry</i> , 2020 , 28, 115773	3.4	1
5	Exploration of the Role of the C-Terminal Domain of Human DNA Topoisomerase II <i>α</i> in Catalytic Activity. <i>ACS Omega</i> , 2021 , 6, 25892-25903	3.9	1
4	Examination of the Effect of Copper (II) π (N)-Heterocyclic Thiosemicarbazone Complexes on DNA Topoisomerase II <i>α</i> <i>FASEB Journal</i> , 2019 , 33, 470.5	0.9	
3	The variable C-terminal domain of human type II topoisomerases as a functionally relevant therapeutic target. <i>FASEB Journal</i> , 2019 , 33, 793.4	0.9	
2	Etoposide Catechol Is an Oxidizable Topoisomerase II Poison. <i>FASEB Journal</i> , 2013 , 27, lb75	0.9	
1	A model for incorporating faith, values, and ethics into a healthcare provider course. <i>International Journal of Christianity and Education</i> , 2022 , 26, 50-64	0.2	