

Yilun Sun

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,346
citations

759233

12
h-index

752698

20
g-index

38
all docs

38
docs citations

38
times ranked

1688
citing authors

#	ARTICLE	IF	CITATIONS
1	Roles of eukaryotic topoisomerases in transcription, replication and genomic stability. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 703-721.	37.0	695
2	Therapeutic targeting of ATR yields durable regressions in small cell lung cancers with high replication stress. <i>Cancer Cell</i> , 2021, 39, 566-579.e7.	16.8	107
3	A conserved SUMO pathway repairs topoisomerase DNA-protein cross-links by engaging ubiquitin-mediated proteasomal degradation. <i>Science Advances</i> , 2020, 6, .	10.3	76
4	The ubiquitin-dependent ATPase p97 removes cytotoxic trapped PARP1 from chromatin. <i>Nature Cell Biology</i> , 2022, 24, 62-73.	10.3	66
5	Excision repair of topoisomerase DNA-protein crosslinks (TOP-DPC). <i>DNA Repair</i> , 2020, 89, 102837.	2.8	62
6	Multiview confocal super-resolution microscopy. <i>Nature</i> , 2021, 600, 279-284.	27.8	55
7	Debulking of topoisomerase DNA-protein crosslinks (TOP-DPC) by the proteasome, non-proteasomal and non-proteolytic pathways. <i>DNA Repair</i> , 2020, 94, 102926.	2.8	48
8	Detection of Topoisomerase Covalent Complexes in Eukaryotic Cells. <i>Methods in Molecular Biology</i> , 2018, 1703, 283-299.	0.9	27
9	DNA and RNA Cleavage Complexes and Repair Pathway for TOP3B RNA- and DNA-Protein Crosslinks. <i>Cell Reports</i> , 2020, 33, 108569.	6.4	27
10	PARylation prevents the proteasomal degradation of topoisomerase I DNA-protein crosslinks and induces their deubiquitylation. <i>Nature Communications</i> , 2021, 12, 5010.	12.8	26
11	Suppressing proteasome mediated processing of topoisomerase II DNA-protein complexes preserves genome integrity. <i>ELife</i> , 2020, 9, .	6.0	26
12	Topoisomerase Assays. <i>Current Protocols</i> , 2021, 1, e250.	2.9	19
13	Resolution of R-loops by topoisomerase III- $\hat{\eta}^2$ (TOP3B) in coordination with the DEAD-box helicase DDX5. <i>Cell Reports</i> , 2022, 40, 111067.	6.4	19
14	A polymer index-matched to water enables diverse applications in fluorescence microscopy. <i>Lab on A Chip</i> , 2021, 21, 1549-1562.	6.0	18
15	Trapped topoisomerase II initiates formation of de novo duplications via the nonhomologous end-joining pathway in yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26876-26884.	7.1	17
16	TOP1-DNA Trapping by Exatecan and Combination Therapy with ATR Inhibitor. <i>Molecular Cancer Therapeutics</i> , 2022, 21, 1090-1102.	4.1	13
17	The Indenoisoquinoline LMP517: A Novel Antitumor Agent Targeting both TOP1 and TOP2. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 1589-1597.	4.1	10
18	Autophagy-Dependent Sensitization of Triple-Negative Breast Cancer Models to Topoisomerase II Poisons by Inhibition of the Nucleosome Remodeling Factor. <i>Molecular Cancer Research</i> , 2021, 19, 1338-1349.	3.4	9

#	ARTICLE	IF	CITATIONS
19	SUMO: A Swiss Army Knife for Eukaryotic Topoisomerases. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 871161.	3.5	7
20	CDK7 Inhibition Synergizes with Topoisomerase I Inhibition in Small Cell Lung Cancer Cells by Inducing Ubiquitin-Mediated Proteolysis of RNA Polymerase II. <i>Molecular Cancer Therapeutics</i> , 2022, 21, 1430-1438.	4.1	3
21	Topoisomerase 3B (TOP3B) DNA and RNA Cleavage Complexes and Pathway to Repair TOP3B-Linked RNA and DNA Breaks. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
22	Abstract 1182: The NEDD8 inhibitor pevonedistat blocks the repair of topoisomerase I (TOP1)-induced replication damage and synergizes with TOP1 inhibitors. , 2021, , .		0
23	Functions of the CSB Protein at Topoisomerase 2 Inhibitors-Induced DNA Lesions. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 727836.	3.7	0
24	Abstract 842: DNA topoisomerase II β participates in the repair of DNA damage from topoisomerase II. , 2014, , .		0
25	Abstract 1658: Proteolytic processing pathways for topoisomerase covalent complexes. , 2015, , .		0
26	Abstract 4853: Regulation of proteolytic repair of Top2 covalent complexes. , 2018, , .		0
27	Abstract 4727: Role of SUMOylating enzymes in repair of Topoisomerase II mediated DNA damage. , 2019, , .		0
28	Abstract P057: The ubiquitin-dependent ATPase p97 removes cytotoxic trapped PARP1 from chromatin. , 2021, , .		0
29	Resolution of R-Loops by Topoisomerase III β (TOP3B) in Coordination With the DEAD-Box Helicase DDX5. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
30	Abstract 4727: Role of SUMOylating enzymes in repair of Topoisomerase II mediated DNA damage. , 2019, , .		0