

# 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	The ubiquitin-dependent ATPase p97 removes cytotoxic trapped PARP1 from chromatin. <i>Nature Cell Biology</i> , 2022, 24, 62-73.	10.3	66
2	SUMO: A Swiss Army Knife for Eukaryotic Topoisomerases. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 871161.	3.5	7
3	TOP1-DNA Trapping by Exatecan and Combination Therapy with ATR Inhibitor. <i>Molecular Cancer Therapeutics</i> , 2022, 21, 1090-1102.	4.1	13
4	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
5	Resolution of R-loops by topoisomerase III- $\beta^2$ (TOP3B) in coordination with the DEAD-box helicase DDX5. <i>Cell Reports</i> , 2022, 40, 111067.	6.4	19
6	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
7	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
8	Abstract 1182: The NEDD8 inhibitor pevonedistat blocks the repair of topoisomerase I (TOP1)-induced replication damage and synergizes with TOP1 inhibitors. , 2021, , .		0
9	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
10	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
11	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
12	Topoisomerase Assays. <i>Current Protocols</i> , 2021, 1, e250.	2.9	19
13	Multiview confocal super-resolution microscopy. <i>Nature</i> , 2021, 600, 279-284.	27.8	55
14	Abstract P057: The ubiquitin-dependent ATPase p97 removes cytotoxic trapped PARP1 from chromatin. , 2021, , .		0
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	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
17	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
18	The Indenoisoquinoline LMP517: A Novel Antitumor Agent Targeting both TOP1 and TOP2. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 1589-1597.	4.1	10

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19	Excision repair of topoisomerase DNA-protein crosslinks (TOP-DPC). DNA Repair, 2020, 89, 102837.	2.8	62
20	DNA and RNA Cleavage Complexes and Repair Pathway for TOP3B RNA- and DNA-Protein Crosslinks. Cell Reports, 2020, 33, 108569.	6.4	27
21	Suppressing proteasome mediated processing of topoisomerase II DNA-protein complexes preserves genome integrity. ELife, 2020, 9, .	6.0	26
22	Abstract 4727: Role of SUMOylating enzymes in repair of Topoisomerase II mediated DNA damage. , 2019, , .		0
23	Abstract 4727: Role of SUMOylating enzymes in repair of Topoisomerase II mediated DNA damage. , 2019, , .		0
24	Detection of Topoisomerase Covalent Complexes in Eukaryotic Cells. Methods in Molecular Biology, 2018, 1703, 283-299.	0.9	27
25	Abstract 4853: Regulation of proteolytic repair of Top2 covalent complexes. , 2018, , .		0
26	Roles of eukaryotic topoisomerases in transcription, replication and genomic stability. Nature Reviews Molecular Cell Biology, 2016, 17, 703-721.	37.0	695
27	Abstract 1658: Proteolytic processing pathways for topoisomerase covalent complexes. , 2015, , .		0
28	Abstract 842: DNA topoisomerase $\beta$ participates in the repair of DNA damage from topoisomerase II. , 2014, , .		0
29	Topoisomerase 3B (TOP3B) DNA and RNA Cleavage Complexes and Pathway to Repair TOP3B-Linked RNA and DNA Breaks. SSRN Electronic Journal, 0, , .	0.4	1
30	Resolution of R-Loops by Topoisomerase III- $\beta$ (TOP3B) in Coordination With the DEAD-Box Helicase DDX5. SSRN Electronic Journal, 0, , .	0.4	0