

# Shar-Yin N Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,797  
citations

516710

16  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

2456  
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	Tyrosyl-DNA-phosphodiesterases (TDP1 and TDP2). <i>DNA Repair</i> , 2014, 19, 114-129.	2.8	253
3	Topoisomerase II-Induced Chromosome Breakage and Translocation Is Determined by Chromosome Architecture and Transcriptional Activity. <i>Molecular Cell</i> , 2019, 75, 252-266.e8.	9.7	145
4	Proteolytic Degradation of Topoisomerase II (Top2) Enables the Processing of Top2-DNA and Top2-RNA Covalent Complexes by Tyrosyl-DNA-Phosphodiesterase 2 (TDP2). <i>Journal of Biological Chemistry</i> , 2014, 289, 17960-17969.	3.4	103
5	TDP1 repairs nuclear and mitochondrial DNA damage induced by chain-terminating anticancer and antiviral nucleoside analogs. <i>Nucleic Acids Research</i> , 2013, 41, 7793-7803.	14.5	86
6	Tyrosyl-DNA Phosphodiesterase 1 (Tdp1) inhibitors. <i>Expert Opinion on Therapeutic Patents</i> , 2011, 21, 1285-1292.	5.0	78
7	Topoisomerase II-mediated cleavage at unrepaired ribonucleotides generates DNA double-strand breaks. <i>EMBO Journal</i> , 2017, 36, 361-373.	7.8	59
8	Biochemical Characterization of Human Tyrosyl-DNA Phosphodiesterase 2 (TDP2/TTRAP). <i>Journal of Biological Chemistry</i> , 2012, 287, 30842-30852.	3.4	54
9	Lack of mitochondrial topoisomerase I (TOP1mt) impairs liver regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11282-11287.	7.1	50
10	BAMscale: quantification of next-generation sequencing peaks and generation of scaled coverage tracks. <i>Epigenetics and Chromatin</i> , 2020, 13, 21.	3.9	40
11	Deazaflavin Inhibitors of Tyrosyl-DNA Phosphodiesterase 2 (TDP2) Specific for the Human Enzyme and Active against Cellular TDP2. <i>ACS Chemical Biology</i> , 2016, 11, 1925-1933.	3.4	32
12	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
13	Mapping Topoisomerase Sites in Mitochondrial DNA with a Poisonous Mitochondrial Topoisomerase I (Top1mt). <i>Journal of Biological Chemistry</i> , 2014, 289, 18595-18602.	3.4	25
14	TDP1 is Critical for the Repair of DNA Breaks Induced by Sapacitabine, a Nucleoside also Targeting ATM- and BRCA-Deficient Tumors. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 2543-2551.	4.1	25
15	SLFN11 Inactivation Induces Proteotoxic Stress and Sensitizes Cancer Cells to Ubiquitin Activating Enzyme Inhibitor TAK-243. <i>Cancer Research</i> , 2021, 81, 3067-3078.	0.9	23
16	Mitochondrial tyrosyl-DNA phosphodiesterase 2 and its short isoform. <i>EMBO Reports</i> , 2018, 19, .	4.5	19
17	Biochemical Assays for the Discovery of TDP1 Inhibitors. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 2116-2126.	4.1	18
18	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

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19	Parallel analysis of ribonucleotide-dependent deletions produced by yeast Top1 <i>in vitro</i> and <i>in vivo</i> . <i>Nucleic Acids Research</i> , 2016, 44, 7714-7721.	14.5	15
20	TDP1 suppresses mis-joining of radiomimetic DNA double-strand breaks and cooperates with Artemis to promote optimal nonhomologous end joining. <i>Nucleic Acids Research</i> , 2018, 46, 8926-8939.	14.5	15
21	The Indenoisoquinoline LMP517: A Novel Antitumor Agent Targeting both TOP1 and TOP2. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 1589-1597.	4.1	10
22	Exonuclease VII repairs quinolone-induced damage by resolving DNA gyrase cleavage complexes. <i>Science Advances</i> , 2021, 7, .	10.3	6
23	Cancer/Testis Antigen 55 is required for cancer cell proliferation and mitochondrial DNA maintenance. <i>Mitochondrion</i> , 2022, 64, 19-26.	3.4	2
24	Topoisomerase-Induced DNA Cleavage at Ribonucleotide Misincorporation Sites. <i>FASEB Journal</i> , 2015, 29, 371.3.	0.5	0