

Tsai-Kun Li

List of Publications by Year in descending order

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66
papers

3,754
citations

136950

32
h-index

128289

60
g-index

70
all docs

70
docs citations

70
times ranked

5153
citing authors

#	ARTICLE	IF	CITATIONS
1	TUMORCELLDEATHINDUCED BYTOPOISOMERASE-TARGETINGDRUGS. Annual Review of Pharmacology and Toxicology, 2001, 41, 53-77.	9.4	499
2	Structural Basis of Type II Topoisomerase Inhibition by the Anticancer Drug Etoposide. Science, 2011, 333, 459-462.	12.6	414
3	Mechanism of Action of Camptothecin. Annals of the New York Academy of Sciences, 2000, 922, 1-10.	3.8	383
4	On the structural basis and design guidelines for type II topoisomerase-targeting anticancer drugs. Nucleic Acids Research, 2013, 41, 10630-10640.	14.5	139
5	DNA Damage-mediated Apoptosis Induced by Selenium Compounds. Journal of Biological Chemistry, 2003, 278, 29532-29537.	3.4	126
6	Hydrogen Peroxide Induces Topoisomerase I-mediated DNA Damage and Cell Death. Journal of Biological Chemistry, 2004, 279, 14587-14594.	3.4	121
7	Genistein induces apoptosis in human hepatocellular carcinomas via interaction of endoplasmic reticulum stress and mitochondrial insult. Biochemical Pharmacology, 2007, 73, 782-792.	4.4	121
8	5H-Dibenzo[c,h]1,6-naphthyridin-6-ones: novel topoisomerase I-Targeting anticancer agents with potent cytotoxic activity. Bioorganic and Medicinal Chemistry, 2003, 11, 2061-2073.	3.0	102
9	Human Topoisomerase I Poisoning by Protoberberines: A Potential Roles for Both Drug-DNA and Drug-Enzyme Interactions. Biochemistry, 2000, 39, 7107-7116.	2.5	86
10	Substituted dibenzo[c,h]cinnolines: topoisomerase I-targeting anticancer agents. Bioorganic and Medicinal Chemistry, 2003, 11, 1475-1491.	3.0	83
11	Characterization of ARC-111 as a novel topoisomerase I-targeting anticancer drug. Cancer Research, 2003, 63, 8400-7.	0.9	80
12	Acidic pH induces topoisomerase II-mediated DNA damage. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5205-5210.	7.1	69
13	Producing irreversible topoisomerase II-mediated DNA breaks by site-specific Pt(II)-methionine coordination chemistry. Nucleic Acids Research, 2017, 45, 10861-10871.	14.5	68
14	Discovery of a Novel Series of Quinolone and Naphthyridine Derivatives as Potential Topoisomerase I Inhibitors by Scaffold Modification. Journal of Medicinal Chemistry, 2009, 52, 5649-5661.	6.4	66
15	Inactivation of Cdc13p Triggers MEC1-dependent Apoptotic Signals in Yeast. Journal of Biological Chemistry, 2003, 278, 15136-15141.	3.4	62
16	Inflammatory interferon activates HIF-1 α -mediated epithelial-to-mesenchymal transition via PI3K/AKT/mTOR pathway. Journal of Experimental and Clinical Cancer Research, 2018, 37, 70.	8.6	59
17	Diaza- and triazachrysenes: potent topoisomerase-targeting agents with exceptional antitumor activity against the human tumor xenograft, MDA-MB-435. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 3333-3336.	2.2	56
18	Selective cytotoxicity of topoisomerase-directed protoberberines against glioblastoma cells. Biochemical Pharmacology, 1998, 56, 1157-1166.	4.4	55

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19	Single-stranded DNA Induces Ataxia Telangiectasia Mutant (ATM)/p53-dependent DNA Damage and Apoptotic Signals. <i>Journal of Biological Chemistry</i> , 2003, 278, 12475-12481.	3.4	51
20	Cellular processing pathways contribute to the activation of etoposide-induced DNA damage responses. <i>DNA Repair</i> , 2008, 7, 452-463.	2.8	51
21	Nitro and Amino Substitution in the D-Ring of 5-(2-Dimethylaminoethyl)-2,3-methylenedioxy-5H-dibenzo[c,h][1,6]naphthyridin-6-ones: A Effect on Topoisomerase-I Targeting Activity and Cytotoxicity. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 2254-2257.	6.4	50
22	Multiple Domains of the Tobacco mosaic virus p126 Protein Can Independently Suppress Local and Systemic RNA Silencing. <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 648-657.	2.6	48
23	Docosahexaenoic acid suppresses the expression of FoxO and its target genes. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 1609-1616.	4.2	43
24	DNA Minor Groove Binding-Directed Poisoning of Human DNA Topoisomerase I by Terbenzimidazoles. <i>Biochemistry</i> , 1998, 37, 3558-3566.	2.5	42
25	EGF-induced Grb7 Recruits and Promotes Ras Activity Essential for the Tumorigenicity of Sk-Br3 Breast Cancer Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 29279-29285.	3.4	42
26	Differential Poisoning of Topoisomerases by Menogaril and Nogalamycin Dictated by the Minor Groove-Binding Nogalose Sugar. <i>Biochemistry</i> , 1997, 36, 13285-13291.	2.5	41
27	The paracrine induction of prostate cancer progression by caveolin-1. <i>Cell Death and Disease</i> , 2019, 10, 834.	6.3	41
28	Involvement of Topoisomerase III in Telomere-Telomere Recombination. <i>Journal of Biological Chemistry</i> , 2006, 281, 13717-13723.	3.4	40
29	Substituted benzo[i]phenanthridines as mammalian topoisomerase-Targeting agents. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 1809-1820.	3.0	39
30	2,3-Dimethoxybenzo[i]phenanthridines: topoisomerase I-targeting anticancer agents. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 521-528.	3.0	37
31	Synthesis, DNA binding, and cytotoxicity of 1,4-bis(2-amino-ethylamino)anthraquinone amino acid conjugates. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 1006-1014.	3.0	37
32	A Negative Feedback of the HIF-1 Pathway via Interferon-Stimulated Gene 15 and ISGylation. <i>Clinical Cancer Research</i> , 2013, 19, 5927-5939.	7.0	36
33	Characterization of the Uracil-DNA Glycosylase Activity of Epstein-Barr Virus BKRF3 and Its Role in Lytic Viral DNA Replication. <i>Journal of Virology</i> , 2007, 81, 1195-1208.	3.4	35
34	Aminoglycoside Complexation with a DNA-RNA Hybrid Duplex: The Thermodynamics of Recognition and Inhibition of RNA Processing Enzymes. <i>Journal of the American Chemical Society</i> , 2003, 125, 6469-6477.	13.7	32
35	Distribution of gyrase and topoisomerase IV on bacterial nucleoid: implications for nucleoid organization. <i>Nucleic Acids Research</i> , 2006, 34, 3128-3138.	14.5	32
36	Nitro and amino substitution within the A-ring of 5H-8,9-dimethoxy-5-(2-N,N-dimethylaminoethyl)dibenzo[c,h][1,6]naphthyridin-6-ones: influence on topoisomerase I-targeting activity and cytotoxicity. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 3731-3742.	3.0	31

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37	8,9-Methylenedioxybenzo[<i>i</i>]phenanthridines. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 3795-3805.	3.0	30
38	Mitoxantrone Inhibits HIF-1 α Expression in a Topoisomerase II-Independent Pathway. <i>Clinical Cancer Research</i> , 2011, 17, 5026-5037.	7.0	30
39	Synergistic property of cordycepin in cultivated <i>Cordyceps militaris</i> -mediated apoptosis in human leukemia cells. <i>Phytomedicine</i> , 2014, 21, 1516-1524.	5.3	30
40	Induction of Fas clustering and apoptosis by coral prostanoid in human hormone-resistant prostate cancer cells. <i>European Journal of Pharmacology</i> , 2006, 542, 22-30.	3.5	26
41	Ubiquitin, SUMO1, and UCRP in Camptothecin Sensitivity and Resistance. <i>Annals of the New York Academy of Sciences</i> , 2000, 922, 306-308.	3.8	23
42	QS-61 induces apoptosis through topoisomerase II in human non-small cell lung cancer A549 cells. <i>Cancer Science</i> , 2012, 103, 80-87.	3.9	21
43	Rhapontigenin inhibits TGF- β 2-mediated epithelial-mesenchymal transition via the PI3K/AKT/mTOR pathway and is not associated with HIF-1 α degradation. <i>Oncology Reports</i> , 2016, 35, 2887-2895.	2.6	21
44	Drug Targeting of HIV-1 RNA-DNA Hybrid Structures: Thermodynamics of Recognition and Impact on Reverse Transcriptase-Mediated Ribonuclease H Activity and Viral Replication. <i>Biochemistry</i> , 2004, 43, 9732-9742.	2.5	20
45	Topoisomerase II-Mediated DNA Cleavage and Mutagenesis Activated by Nitric Oxide Underlie the Inflammation-Associated Tumorigenesis. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 1129-1140.	5.4	19
46	Rottlerin potentiates camptothecin-induced cytotoxicity in human hormone refractory prostate cancers through increased formation and stabilization of topoisomerase I-DNA cleavage complexes in a PKC δ -independent pathway. <i>Biochemical Pharmacology</i> , 2012, 84, 59-67.	4.4	18
47	Trichodermin induces c-Jun N-terminal kinase-dependent apoptosis caused by mitotic arrest and DNA damage in human p53-mutated pancreatic cancer cells and xenografts. <i>Cancer Letters</i> , 2017, 388, 249-261.	7.2	17
48	Modulation of Gyrase-Mediated DNA Cleavage and Cell Killing by ATP. <i>Antimicrobial Agents and Chemotherapy</i> , 1998, 42, 1022-1027.	3.2	16
49	Cellular processing determinants for the activation of damage signals in response to topoisomerase I-linked DNA breakage. <i>Cell Research</i> , 2010, 20, 1060-1075.	12.0	14
50	Promoters of ASCL1 and NEUROD1-dependent genes are specific targets of lurbinectedin in SCLC cells. <i>EMBO Molecular Medicine</i> , 2022, 14, e14841.	6.9	14
51	Regioselective synthesis and biological evaluation of <i>N</i> -substituted 2-aminoquinazolin-4-ones. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4482-4494.	2.8	13
52	Anthracenedione-methionine conjugates are novel topoisomerase II-targeting anticancer agents with favorable drug resistance profiles. <i>Biochemical Pharmacology</i> , 2012, 83, 1208-1216.	4.4	12
53	The role of extracellular vesicles in prostate cancer with clinical applications. <i>Endocrine-Related Cancer</i> , 2020, 27, R133-R144.	3.1	12
54	Calcium-induced cleavage of DNA topoisomerase I involves the cytoplasmic-nuclear shuttling of calpain 2. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 2769-2784.	5.4	11

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55	DNA Topoisomerase II Is Involved in Regulation of Cyst Wall Protein Genes and Differentiation in <i>Giardia lamblia</i> . <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2218.	3.0	11
56	microRNA-183 Mediates Protective Postconditioning of the Liver by Repressing Apaf-1. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 583-597.	5.4	11
57	DNA Topoisomerase III Alpha Regulates p53-Mediated Tumor Suppression. <i>Clinical Cancer Research</i> , 2014, 20, 1489-1501.	7.0	10
58	Topoisomerase II inhibition suppresses the proliferation of telomerase-negative cancers. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 1825-1837.	5.4	10
59	Evaluation of an Epitypified <i>Ophiocordyceps formosana</i> (<i>Cordyceps s.l.</i>) for Its Pharmacological Potential. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-13.	1.2	9
60	Involvement of p38 MAPK in the Anticancer Activity of Cultivated <i>Cordyceps militaris</i> . <i>The American Journal of Chinese Medicine</i> , 2015, 43, 1043-1057.	3.8	8
61	Sodium salicylate acts through direct inhibition of phosphoinositide 3-kinase-like kinases to modulate topoisomerase-mediated DNA damage responses. <i>European Journal of Pharmacology</i> , 2010, 638, 13-20.	3.5	4
62	Cell type-specific effects of Adenosine 5'-triphosphate and pyrophosphate on the antitumor activity of doxorubicin. <i>Cancer Science</i> , 2012, 103, 1811-1819.	3.9	4
63	Selected ellipticine derivatives, known to target topoisomerase II, suppress the alternative lengthening of telomere (ALT) pathway in telomerase-negative cells. <i>Journal of Cancer Research and Clinical Oncology</i> , 2020, 146, 1671-1676.	2.5	3
64	Activation of multiple proteolysis systems contributes to acute cadmium cytotoxicity. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 927-937.	3.1	3
65	Defining the Molecular Interactions that are Important for the Poisoning of Human Topoisomerase I by Benzimidazoles and Terbenzimidazoles. , 0, , 576-608.		1
66	Diaza- and Triazachrysenes: Potent Topoisomerase-Targeting Agents with Exceptional Antitumor Activity Against the Human Tumor Xenograft, MDA-MB-435. <i>ChemInform</i> , 2003, 34, no.	0.0	0