Tsai-Kun Li

List of Publications by Year
in descending order

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	Activation of multiple proteolysis systems contributes to acute cadmium cytotoxicity. Molecular and Cellular Biochemistry, 2022, 477, 927-937.	3.1	3
2	Promoters of ASCL1â€•and NEUROD1â€‐dependent genes are specific targets of lurbinectedin in SCLC cells. EMBO Molecular Medicine, 2022, 14, e14841.	6.9	14
3	Selected ellipticine derivatives, known to target topoisomerase II, suppress the alternative lengthening of telomere (ALT) pathway in telomeraseâ€“negative cells. Journal of Cancer Research and Clinical Oncology, 2020, 146, 1671-1676.	2.5	3
4	The role of extracellular vesicles in prostate cancer with clinical applications. Endocrine-Related Cancer, 2020, 27, R133-R144.	3.1	12
5	The paracrine induction of prostate cancer progression by caveolin-1. Cell Death and Disease, 2019, 10, 834.	6.3	41
6	Regioselective synthesis and biological evaluation ofN-substituted 2-aminoquinazolin-4-ones. Organic and Biomolecular Chemistry, 2018, 16, 4482-4494.	2.8	13
7	Inflammatory interferon activates HIF-1Î±-mediated epithelial-to-mesenchymal transition via PI3K/AKT/mTOR pathway. Journal of Experimental and Clinical Cancer Research, 2018, 37, 70.	8.6	59
8	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. Cancer Letters, 2017, 388, 249-261.	7.2	17
9	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
10	microRNA-183 Mediates Protective Postconditioning of the Liver by Repressing Apaf-1. Antioxidants and Redox Signaling, 2017, 26, 583-597.	5.4	11
11	Rhapontigenin inhibits TGF-Î²-mediated epithelial-mesenchymal transition via the PI3K/AKT/mTOR pathway and is not associated with HIF-1Î± degradation. Oncology Reports, 2016, 35, 2887-2895.	2.6	21
12	Evaluation of an EpitypifiedOphiocordyceps formosana(Cordyceps s.l.) for Its Pharmacological Potential. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-13.	1.2	9
13	Topoisomerase II inhibition suppresses the proliferation of telomerase-negative cancers. Cellular and Molecular Life Sciences, 2015, 72, 1825-1837.	5.4	10
14	Involvement of p38 MAPK in the Anticancer Activity of Cultivated Cordyceps militaris. The American Journal of Chinese Medicine, 2015, 43, 1043-1057.	3.8	8
15	DNA Topoisomerase III Alpha Regulates p53-Mediated Tumor Suppression. Clinical Cancer Research, 2014, 20, 1489-1501.	7.0	10
16	Synergistic property of cordycepin in cultivated Cordyceps militaris-mediated apoptosis in human leukemia cells. Phytomedicine, 2014, 21, 1516-1524.	5.3	30
17	A Negative Feedback of the HIF-1Î± Pathway via Interferon-Stimulated Gene 15 and ISGylation. Clinical Cancer Research, 2013, 19, 5927-5939.	7.0	36
18	Topoisomerase II-Mediated DNA Cleavage and Mutagenesis Activated by Nitric Oxide Underlie the Inflammation-Associated Tumorigenesis. Antioxidants and Redox Signaling, 2013, 18, 1129-1140.	5.4	19

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19	DNA Topoisomerase II Is Involved in Regulation of Cyst Wall Protein Genes and Differentiation in Giardia lamblia. PLoS Neglected Tropical Diseases, 2013, 7, e2218.	3.0	11
20	On the structural basis and design guidelines for type II topoisomerase-targeting anticancer drugs. Nucleic Acids Research, 2013, 41, 10630-10640.	14.5	139
21	Multiple Domains of the Tobacco mosaic virus p126 Protein Can Independently Suppress Local and Systemic RNA Silencing. Molecular Plant-Microbe Interactions, 2012, 25, 648-657.	2.6	48
22	Cell typeâ€specific effects of Adenosine 5â€²â€triphosphate and pyrophosphate on the antitumor activity of doxorubicin. Cancer Science, 2012, 103, 1811-1819.	3.9	4
23	Docosahexaenoic acid suppresses the expression of FoxO and its target genes. Journal of Nutritional Biochemistry, 2012, 23, 1609-1616.	4.2	43
24	QSâ€ZYXâ€1â€61 induces apoptosis through topoisomerase II in human nonâ€smallâ€cell lung cancer A549 cells. Cancer Science, 2012, 103, 80-87.	3.9	21
25	Anthracenedioneâ€“methionine conjugates are novel topoisomerase II-targeting anticancer agents with favorable drug resistance profiles. Biochemical Pharmacology, 2012, 83, 1208-1216.	4.4	12
26	Rottlerin potentiates camptothecin-induced cytotoxicity in human hormone refractory prostate cancers through increased formation and stabilization of topoisomerase I-DNA cleavage complexes in a PKCÎ´-independent pathway. Biochemical Pharmacology, 2012, 84, 59-67.	4.4	18
27	Structural Basis of Type II Topoisomerase Inhibition by the Anticancer Drug Etoposide. Science, 2011, 333, 459-462.	12.6	414
28	Calcium-induced cleavage of DNA topoisomerase I involves the cytoplasmic-nuclear shuttling of calpain 2. Cellular and Molecular Life Sciences, 2011, 68, 2769-2784.	5.4	11
29	Mitoxantrone Inhibits HIF-1Î± Expression in a Topoisomerase IIâ€“Independent Pathway. Clinical Cancer Research, 2011, 17, 5026-5037.	7.0	30
30	Sodium salicylate acts through direct inhibition of phosphoinositide 3-kinase-like kinases to modulate topoisomerase-mediated DNA damage responses. European Journal of Pharmacology, 2010, 638, 13-20.	3.5	4
31	EGF-induced Grb7 Recruits and Promotes Ras Activity Essential for the Tumorigenicity of Sk-Br3 Breast Cancer Cells. Journal of Biological Chemistry, 2010, 285, 29279-29285.	3.4	42
32	Cellular processing determinants for the activation of damage signals in response to topoisomerase I-linked DNA breakage. Cell Research, 2010, 20, 1060-1075.	12.0	14
33	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
34	Synthesis, DNA binding, and cytotoxicity of 1,4-bis(2-amino-ethylamino)anthraquinoneâ€“amino acid conjugates. Bioorganic and Medicinal Chemistry, 2008, 16, 1006-1014.	3.0	37
35	Cellular processing pathways contribute to the activation of etoposide-induced DNA damage responses. DNA Repair, 2008, 7, 452-463.	2.8	51
36	Characterization of the Uracil-DNA Glycosylase Activity of Epstein-Barr Virus BKRF3 and Its Role in Lytic Viral DNA Replication. Journal of Virology, 2007, 81, 1195-1208.	3.4	35

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37	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
38	Induction of Fas clustering and apoptosis by coral prostanoid in human hormone-resistant prostate cancer cells. European Journal of Pharmacology, 2006, 542, 22-30.	3.5	26
39	Distribution of gyrase and topoisomerase IV on bacterial nucleoid: implications for nucleoid organization. Nucleic Acids Research, 2006, 34, 3128-3138.	14.5	32
40	Involvement of Topoisomerase III in Telomere-Telomere Recombination. Journal of Biological Chemistry, 2006, 281, 13717-13723.	3.4	40
41	Hydrogen Peroxide Induces Topoisomerase I-mediated DNA Damage and Cell Death. Journal of Biological Chemistry, 2004, 279, 14587-14594.	3.4	121
42	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. Bioorganic and Medicinal Chemistry, 2004, 12, 3731-3742.	3.0	31
43	Drug Targeting of HIV-1 RNAÂ·DNA Hybrid Structures:Â Thermodynamics of Recognition and Impact on Reverse Transcriptase-Mediated Ribonuclease H Activity and Viral Replicationâ€. Biochemistry, 2004, 43, 9732-9742.	2.5	20
44	Nitro and Amino Substitution in the D-Ring of 5-(2-Dimethylaminoethyl)-2,3-methylenedioxy-5H-dibenzo[c,h][1,6]naphthyridin-6-ones:Â Effect on Topoisomerase-I Targeting Activity and Cytotoxicity. Journal of Medicinal Chemistry, 2003, 46, 2254-2257.	6.4	50
45	Diaza- and Triazachrysenes: Potent Topoisomerase-Targeting Agents with Exceptional Antitumor Activity Against the Human Tumor Xenograft, MDA-MB-435. ChemInform, 2003, 34, no.	0.0	0
46	2,3-Dimethoxybenzo[i]phenanthridines: topoisomerase I-targeting anticancer agents. Bioorganic and Medicinal Chemistry, 2003, 11, 521-528.	3.0	37
47	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
48	8,9-Methylenedioxybenzo[i]phenanthridines. Bioorganic and Medicinal Chemistry, 2003, 11, 3795-3805.	3.0	30
49	Substituted dibenzo[c,h]cinnolines: topoisomerase I-targeting anticancer agents. Bioorganic and Medicinal Chemistry, 2003, 11, 1475-1491.	3.0	83
50	Aminoglycoside Complexation with a DNAÂ·RNA Hybrid Duplex:Â The Thermodynamics of Recognition and Inhibition of RNA Processing Enzymes. Journal of the American Chemical Society, 2003, 125, 6469-6477.	13.7	32
51	DNA Damage-mediated Apoptosis Induced by Selenium Compounds. Journal of Biological Chemistry, 2003, 278, 29532-29537.	3.4	126
52	Substituted benzo[i]phenanthridines as mammalian topoisomerase-Targeting agents. Bioorganic and Medicinal Chemistry, 2003, 11, 1809-1820.	3.0	39
53	Single-stranded DNA Induces Ataxia Telangiectasia Mutant (ATM)/p53-dependent DNA Damage and Apoptotic Signals. Journal of Biological Chemistry, 2003, 278, 12475-12481.	3.4	51
54	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

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55	Inactivation of Cdc13p TriggersMEC1-dependent Apoptotic Signals in Yeast. Journal of Biological Chemistry, 2003, 278, 15136-15141.	3.4	62
56	Characterization of ARC-111 as a novel topoisomerase I-targeting anticancer drug. Cancer Research, 2003, 63, 8400-7.	0.9	80
57	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
58	TUMORCELLDEATHINDUCED BYTOPOISOMERASE-TARGETINGDRUGS. Annual Review of Pharmacology and Toxicology, 2001, 41, 53-77.	9.4	499
59	Human Topoisomerase I Poisoning by Protoberberines:Â Potential Roles for Both Drugâ^'DNA and Drugâ^'Enzyme Interactionsâ€. Biochemistry, 2000, 39, 7107-7116.	2.5	86
60	Mechanism of Action of Camptothecin. Annals of the New York Academy of Sciences, 2000, 922, 1-10.	3.8	383
61	Ubiquitin, SUMOâ€1, and UCRP in Camptothecin Sensitivity and Resistance. Annals of the New York Academy of Sciences, 2000, 922, 306-308.	3.8	23
62	Selective cytotoxicity of topoisomerase-directed protoberberines against glioblastoma cells. Biochemical Pharmacology, 1998, 56, 1157-1166.	4.4	55
63	DNA Minor Groove Binding-Directed Poisoning of Human DNA Topoisomerase I by Terbenzimidazolesâ€. Biochemistry, 1998, 37, 3558-3566.	2.5	42
64	Modulation of Gyrase-Mediated DNA Cleavage and Cell Killing by ATP. Antimicrobial Agents and Chemotherapy, 1998, 42, 1022-1027.	3.2	16
65	Differential Poisoning of Topoisomerases by Menogaril and Nogalamycin Dictated by the Minor Groove-Binding Nogalose Sugar. Biochemistry, 1997, 36, 13285-13291.	2.5	41
66	Defining the Molecular Interactions that are Important for the Poisoning of Human Topoisomerase I by Benzimidazoles and Terbenzimidazoles. , 0, , 576-608.		1