

Yan-Cheng Liu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Stabilization of G-Quadruplex DNA, Inhibition of Telomerase Activity, and Tumor Cell Apoptosis by Organoplatinum(II) Complexes with Oxoisoaporphine. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 2159-2179.	2.9	147
2	Water-Soluble Ruthenium(II) Complexes with Chiral 4-(2,3-Dihydroxypropyl)-formamide Oxoaporphine (FOA): In Vitro and in Vivo Anticancer Activity by Stabilization of G-Quadruplex DNA, Inhibition of Telomerase Activity, and Induction of Tumor Cell Apoptosis. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 4771-4789.	2.9	108
3	The antitumor activity of zinc(II) and copper(II) complexes with 5,7-dihalo-substituted-8-quinolinoline. <i>European Journal of Medicinal Chemistry</i> , 2013, 69, 554-563.	2.6	90
4	Organometallic Gold(III) Complexes Similar to Tetrahydroisoquinoline Induce ER-Stress-Mediated Apoptosis and Pro-Death Autophagy in A549 Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 3478-3490.	2.9	90
5	Studies on antitumor mechanism of two planar platinum(II) complexes with 8-hydroxyquinoline: Synthesis, characterization, cytotoxicity, cell cycle and apoptosis. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 302-313.	2.6	81
6	TCM Active Ingredient Oxoglucine Metal Complexes: Crystal Structure, Cytotoxicity, and Interaction with DNA. <i>Inorganic Chemistry</i> , 2012, 51, 1998-2009.	1.9	74
7	High in vivo antitumor activity of cobalt oxoisoaporphine complexes by targeting G-quadruplex DNA, telomerase and disrupting mitochondrial functions. <i>European Journal of Medicinal Chemistry</i> , 2016, 124, 380-392.	2.6	63
8	Synthesis, crystal structure, cytotoxicity and DNA interaction of 5,7-dichloro-8-quinolinolato-lanthanides. <i>European Journal of Medicinal Chemistry</i> , 2013, 59, 194-202.	2.6	61
9	Synthesis of two platinum(II) complexes with 2-methyl-8-quinolinol derivatives as ligands and study of their antitumor activities. <i>European Journal of Medicinal Chemistry</i> , 2019, 161, 334-342.	2.6	59
10	Potential new inorganic antitumour agents from combining the anticancer traditional Chinese medicine (TCM) lirioidenine with metal ions, and DNA binding studies. <i>Dalton Transactions</i> , 2009, , 262-272.	1.6	57
11	Divalent later transition metal complexes of the traditional chinese medicine (TCM) lirioidenine: coordination chemistry, cytotoxicity and DNA binding studies. <i>Dalton Transactions</i> , 2009, , 10813.	1.6	52
12	Synthesis, characterization and biological evaluation of a cobalt(II) complex with 5-chloro-8-hydroxyquinoline as anticancer agent. <i>Applied Organometallic Chemistry</i> , 2016, 30, 740-747.	1.7	50
13	Novel tacrine platinum(II) complexes display high anticancer activity via inhibition of telomerase activity, dysfunction of mitochondria, and activation of the p53 signaling pathway. <i>European Journal of Medicinal Chemistry</i> , 2018, 158, 106-122.	2.6	50
14	An aminophosphonate ester ligand-containing platinum(II) complex induces potent immunogenic cell death <i>in vitro</i> and elicits effective anti-tumour immune responses <i>in vivo</i> . <i>Chemical Communications</i> , 2019, 55, 13066-13069.	2.2	50
15	Synthesis, crystal structure, cytotoxicity and DNA interaction of 5,7-dibromo-8-quinolinolato-lanthanides. <i>European Journal of Medicinal Chemistry</i> , 2013, 59, 168-175.	2.6	47
16	High cytotoxicity of dihalo-substituted 8-quinolinolato-lanthanides. <i>Dalton Transactions</i> , 2011, 40, 1684.	1.6	46
17	Preparation of 4-([2,6-bis(2-terpyridin)-4-yl]-N,N-diethylaniline Ni II and Pt II complexes and exploration of their <i>in vitro</i> cytotoxic activities. <i>European Journal of Medicinal Chemistry</i> , 2016, 108, 1-12.	2.6	46
18	Synthesis, crystal structure and biological evaluation of a new dasatinib copper(II) complex as telomerase inhibitor. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 1597-1603.	2.6	45

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19	Evaluation of the effect of iodine substitution of 8-hydroxyquinoline on its platinum(II) complex: cytotoxicity, cell apoptosis and telomerase inhibition. <i>MedChemComm</i> , 2016, 7, 1802-1811.	3.5	41
20	High antitumor activity of 5,7-dihalo-8-quinolinolato cerium complexes. <i>European Journal of Medicinal Chemistry</i> , 2013, 68, 454-462.	2.6	39
21	Platinum(II) complexes with mono-aminophosphonate ester targeting group that induce apoptosis through G1 cell-cycle arrest: Synthesis, crystal structure and antitumour activity. <i>European Journal of Medicinal Chemistry</i> , 2013, 63, 76-84.	2.6	36
22	Synthesis and antitumor mechanisms of a copper(II) complex of anthracene-9-imidazoline hydrazone (9-AIH). <i>Metallomics</i> , 2015, 7, 1124-1136.	1.0	34
23	Cobalt(II) 8-hydroxyquinoline complexes: structure, cytotoxicity and action mechanism. <i>MedChemComm</i> , 2016, 7, 806-812.	3.5	33
24	Synthesis, characterization, and in vitro antitumor properties of gold(III) compounds with the traditional Chinese medicine (TCM) active ingredient lirioidenine. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 247-261.	1.1	32
25	Copper(II) complexes of 5-pyridin-2-yl-[1,3]dioxolo[4,5-g]isoquinoline: Synthesis, crystal structure, antitumor activity and DNA interaction. <i>European Journal of Medicinal Chemistry</i> , 2013, 70, 640-648.	2.6	31
26	In vitro and in vivo anti-tumor activity of two gold(III) complexes with isoquinoline derivatives as ligands. <i>European Journal of Medicinal Chemistry</i> , 2019, 163, 333-343.	2.6	31
27	High antitumor activity of 5,7-dihalo-8-quinolinolato tin(IV) complexes. <i>European Journal of Medicinal Chemistry</i> , 2013, 62, 51-58.	2.6	29
28	Cytotoxicity, DNA binding and cell apoptosis induction of a zinc(II) complex of HBrQ. <i>MedChemComm</i> , 2015, 6, 2224-2231.	3.5	27
29	Synthesis of a platinum(II) complex with 2-(4-methoxy-phenyl)imidazo[4,5-f]-[1,10]phenanthroline and study of its antitumor activity. <i>European Journal of Medicinal Chemistry</i> , 2015, 89, 77-87.	2.6	26
30	Three novel transition metal complexes of 6-methyl-2-oxo-quinoline-3-carbaldehyde thiosemicarbazone: synthesis, crystal structure, cytotoxicity, and mechanism of action. <i>RSC Advances</i> , 2017, 7, 17923-17933.	1.7	26
31	Synthesis and in vitro biological evaluation of three $\text{Ir}(\text{III})$ (4-methoxyphenyl)-2,2',6'-terpyridine iridium(III) complexes as new telomerase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 1387-1395.	2.6	26
32	Isoquinoline derivatives Zn(II)/Ni(II) complexes: Crystal structures, cytotoxicity, and their action mechanism. <i>European Journal of Medicinal Chemistry</i> , 2015, 100, 68-76.	2.6	25
33	Discovery of a Copper-Based Mcl-1 Inhibitor as an Effective Antitumor Agent. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 9154-9167.	2.9	25
34	Synthesis, crystal structure, DNA interaction and cytotoxicity of a dinuclear nickel(II) complex with 5,7-dichloro-8-hydroxyquinoline. <i>Inorganica Chimica Acta</i> , 2012, 382, 52-58.	1.2	24
35	Alkaloid-Metal Based Anticancer Agents. <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 2104-2115.	1.0	24
36	Discovery of Ir^2 -carboline copper(II) complexes as Mcl-1 inhibitor and in vitro and in vivo activity in cancer models. <i>European Journal of Medicinal Chemistry</i> , 2019, 181, 111567.	2.6	23

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37	Synthesis and antitumor mechanism of a new iron(ⁱⁱⁱ) complex with 5,7-dichloro-2-methyl-8-quinolinol as ligands. <i>MedChemComm</i> , 2017, 8, 633-639.	3.5	22
38	Studies on the structures, cytotoxicity and apoptosis mechanism of 8-hydroxyquinoline rhodium(ⁱⁱⁱ) complexes in T-24 cells. <i>New Journal of Chemistry</i> , 2016, 40, 6005-6014.	1.4	21
39	Synthesis, Crystal Structure, Cytotoxicity, and Mechanism of Action of Zn ^{II} , Mn ^{II} , and Fe ^{III} Complexes with 6- <i>Hydroxyloxoisoaporphine</i> . <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1824-1834.	1.0	19
40	Dihydroisoquinoline copper(ii) complexes: crystal structures, cytotoxicity, and action mechanism. <i>RSC Advances</i> , 2015, 5, 81313-81323.	1.7	18
41	High in vitro anticancer activity of a dinuclear palladium(II) complex with a 2-phenylpyridine ligand. <i>Inorganic Chemistry Communication</i> , 2018, 96, 106-110.	1.8	18
42	Synthesis and crystal structures of lanthanide complexes with foliage growth regulator: phenoxyalkanoic acid. <i>Journal of Coordination Chemistry</i> , 2008, 61, 2725-2734.	0.8	16
43	Synthesis, crystal structure, cytotoxicity and action mechanism of a Rh(ⁱⁱⁱ) complex with 8-hydroxy-2-methylquinoline as a ligand. <i>MedChemComm</i> , 2017, 8, 184-190.	3.5	16
44	Tryptanthrin derivative copper(ⁱⁱ) complexes with high antitumor activity by inhibiting telomerase activity, and inducing mitochondria-mediated apoptosis and S-phase arrest in BEL-7402. <i>New Journal of Chemistry</i> , 2018, 42, 15479-15487.	1.4	16
45	Preparation of 6/8/11-Amino/Chloro-Oxoisoaporphine and Group-10 Metal Complexes and Evaluation of Their in Vitro and in Vivo Antitumor Activity. <i>Scientific Reports</i> , 2016, 6, 37644.	1.6	15
46	Three platinum(II) complexes of 2-(methoxy-phenyl)-imidazo-[4,5-f]-[1,10] phenanthroline: cell apoptosis induction by sub-G1 phase cell cycle arrest and G-quadruplex binding properties. <i>Inorganic Chemistry Communication</i> , 2014, 46, 176-179.	1.8	14
47	Synthesis, Structure Characterization and Antitumor Activity Study of a New Iron(III) Complex of 5-Nitro-8-hydroxyquinoline (HNOQ). <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 1208-1217.	0.6	14
48	Synthesis, characterization and biological evaluation of six highly cytotoxic ruthenium(ⁱⁱ) complexes with 4- ² -substituted-2,2':6''-terpyridine. <i>MedChemComm</i> , 2018, 9, 525-533.	1.8	14
49	The copper(II) complexes of new anthrahydrazone ligands: In vitro and in vivo antitumor activity and structure-activity relationship. <i>Journal of Inorganic Biochemistry</i> , 2020, 212, 111208.	1.5	11
50	A new calcium(II) complex of marbofloxacin showing much lower acute toxicity with retained antibacterial activity. <i>Journal of Inorganic Biochemistry</i> , 2020, 203, 110905.	1.5	10
51	A New Samarium(III) Complex of Liriodenine: Synthesis, Crystal Structure, Antitumor Activity, and DNA Binding Study. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 570-579.	0.6	9
52	3-(1H-benzoimidazol-2-yl)-chromen-2-ylideneamine platinum(II) and ruthenium(II) complexes exert their high in vitro antitumor activity by inducing S-phase arrest and disrupting mitochondrial functions in SK-OV-3/DDP tumor cells. <i>Polyhedron</i> , 2019, 157, 219-224.	1.0	9
53	New anthrahydrazone derivatives and their cisplatin-like complexes: synthesis, antitumor activity and structure-activity relationship. <i>New Journal of Chemistry</i> , 2019, 43, 18685-18694.	1.4	8
54	The first copper(I) complex of anthrahydrazone with potential ROS scavenging activity showed significant in vitro anticancer activity by inducing apoptosis and autophagy. <i>Journal of Inorganic Biochemistry</i> , 2021, 218, 111390.	1.5	8

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55	Synthesis, crystal structure, cytotoxicity and action mechanism of Zn(II) and Mn(II) complexes with 4-([2,2':6''-terpyridin]-4''-yl)-N,N-diethylaniline as a ligand. <i>MedChemComm</i> , 2016, 7, 1132-1137.	3.5	7
56	Structural characterization and pharmacological assessment in vitro/in vivo of a new copper(II)-based derivative of enrofloxacin. <i>Metallomics</i> , 2020, 12, 2145-2160.	1.0	7
57	Synthesis, crystal structure, cytotoxicity and cell apoptosis induction of a copper(II)-based Schiff base complex. <i>Inorganica Chimica Acta</i> , 2014, 421, 260-266.	1.2	6
58	New cytotoxic zinc(II) and copper(II) complexes of Schiff base ligands derived from homopiperonylamine and halogenated salicylaldehyde. <i>Inorganica Chimica Acta</i> , 2021, 516, 120171.	1.2	6
59	A 9-chloro-5,6,7,8-tetrahydroacridine Pt(II) complex induces apoptosis of HepG2 cells via inhibiting telomerase activity and disrupting mitochondrial pathway. <i>Inorganic Chemistry Communication</i> , 2019, 99, 77-81.	1.8	5
60	Water Soluble Copper(II) and Zinc(II) Complexes of Mangiferin: Synthesis, Antitumour Activity and DNA Binding Studies. <i>Journal of Chemical Research</i> , 2016, 40, 659-663.	0.6	4
61	One-Dimensional Chain Copper(II) and Nickel(II) Coordination Polymers With N-Salicylidene-glycine Schiff Base Ligand. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012, 42, 1262-1266.	0.6	3
62	Bis[4-chloro-2-(quinolin-8-yliminomethyl)phenolato- λ^3 -N,N,O]cobalt(III) trichloridomethanolcobaltate(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m278-m279.	0.2	3
63	A New Calcium(II)-Based Substitute for Enrofloxacin with Improved Medicinal Potential. <i>Pharmaceutics</i> , 2022, 14, 249.	2.0	3
64	Structure and Magnetic Properties of a 3d ⁴ -Doped Hexagonal Heterometallic Cluster. <i>Journal of Cluster Science</i> , 2019, 30, 25-30.	1.7	2
65	A new magnesium(II) complex of marbofloxacin: Crystal structure, antibacterial activity and acute toxicity. <i>Inorganica Chimica Acta</i> , 2021, 516, 120065.	1.2	2
66	Oriented Synthesis of Chair-Shaped Ln ₃ +Ln ₃ Clusters and Magnetic Properties. <i>Journal of Cluster Science</i> , 2019, 30, 337-341.	1.7	1
67	The copper(II) complex of dantron showed therapeutic effect on bacterial gill-rot disease in tilapia infected by <i>Flavobacterium columnar</i> . <i>Journal of Inorganic Biochemistry</i> , 2022, 232, 111841.	1.5	1
68	Synthesis and crystal structure of a novel three-dimensional inorganic open-framework: Cd ₈ (OH) ₈ (SO ₄) ₄ . <i>Journal of Coordination Chemistry</i> , 2006, 59, 1379-1384.	0.8	0
69	Syntheses, crystal structures and fluorescent properties of four one-dimensional lanthanide coordination polymers with 3-cyanobenzoate. <i>Journal of Coordination Chemistry</i> , 2006, 59, 2075-2081.	0.8	0
70	Synthesis, Crystal Structure, and Cytotoxicity of a Copper(II) Complex With Matrine. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2014, 44, 43-47.	0.6	0