

Wen-Jie Mei

List of Publications by Year in descending order

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82
papers

1,625
citations

304743

22
h-index

330143

37
g-index

87
all docs

87
docs citations

87
times ranked

1910
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA binding studies of ruthenium(II) complexes containing asymmetric tridentate ligands. <i>Journal of Inorganic Biochemistry</i> , 2002, 92, 165-170.	3.5	219
2	Betulinic acid suppresses breast cancer aerobic glycolysis via caveolin-1/NF- κ B/c-Myc pathway. <i>Biochemical Pharmacology</i> , 2019, 161, 149-162.	4.4	89
3	Microwave-assisted synthesis of arene ruthenium(II) complexes that induce S-phase arrest in cancer cells by DNA damage-mediated p53 phosphorylation. <i>European Journal of Medicinal Chemistry</i> , 2013, 63, 57-63.	5.5	79
4	Arene Ruthenium(II) Complexes as Low-Toxicity Inhibitor against the Proliferation, Migration, and Invasion of MDA-MB-231 Cells through Binding and Stabilizing c-myc G-Quadruplex DNA. <i>Organometallics</i> , 2016, 35, 317-326.	2.3	59
5	Anti-inflammatory and proresolution activities of bergapten isolated from the roots of <i>Ficus hirta</i> in an <i>in vivo</i> zebrafish model. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 763-769.	2.1	54
6	Chiral ruthenium polypyridyl complexes as mitochondria-targeted apoptosis inducers. <i>MedChemComm</i> , 2010, 1, 73-75.	3.4	49
7	Tanshinone-IIA-Based Analogues of Imidazole Alkaloid Act as Potent Inhibitors To Block Breast Cancer Invasion and Metastasis <i>In Vivo</i> . <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10488-10501.	6.4	48
8	Ruthenium(II) complexes as apoptosis inducers by stabilizing c-myc G-quadruplex DNA. <i>European Journal of Medicinal Chemistry</i> , 2014, 80, 316-324.	5.5	47
9	DNA-binding and cleavage studies of a novel porphyrin ruthenium mixed complex [MPyTPP π -Ru(pip)2Cl] ⁺ . <i>Transition Metal Chemistry</i> , 2003, 28, 852-857.	1.4	38
10	Network-pharmacology-based identification of caveolin-1 as a key target of <i>Oldenlandia diffusa</i> to suppress breast cancer metastasis. <i>Biomedicine and Pharmacotherapy</i> , 2019, 112, 108607.	5.6	38
11	Ruthenium(II) complexes containing 2,9-dimethyl-1,10-phenanthroline and 4,4'-dimethyl-2,2'-bipyridine as ancillary ligands: synthesis, characterization and DNA-binding. <i>Transition Metal Chemistry</i> , 2008, 33, 289-294.	1.4	37
12	Arene ruthenium(ii) complexes induce S-phase arrest in MG-63 cells through stabilization of c-Myc G-quadruplex DNA. <i>MedChemComm</i> , 2014, 5, 597.	3.4	36
13	Synthesis and biological evaluation of 4-biphenylamino-5-halo-2(5H)-furanones as potential anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 139, 84-94.	5.5	34
14	Polypyridyl Ruthenium(II) complex-induced mitochondrial membrane potential dissipation activates DNA damage-mediated apoptosis to inhibit liver cancer. <i>European Journal of Medicinal Chemistry</i> , 2019, 164, 282-291.	5.5	34
15	Imaging Nuclei of MDA-MB-231 Breast Cancer Cells by Chiral Ruthenium(II) Complex Coordinated by 2-(4-Phenyacetylenophenyl)-1H-imidazo[4,5-f][1,10]phenanthroline. <i>Inorganic Chemistry</i> , 2016, 55, 5710-5718.	4.0	33
16	Evaluation of Tanshinone IIA Developmental Toxicity in Zebrafish Embryos. <i>Molecules</i> , 2017, 22, 660.	3.8	32
17	Synthesis of N-2(5H)-furanonyl sulfonyl hydrazone derivatives and their biological evaluation <i>in vitro</i> and <i>in vivo</i> activity against MCF-7 breast cancer cells. <i>Bioorganic Chemistry</i> , 2021, 107, 104518.	4.1	32
18	Arene ruthenium(II) complex, a potent inhibitor against proliferation, migration and invasion of breast cancer cells, reduces stress fibers, focal adhesions and invadopodia. <i>Metallomics</i> , 2014, 6, 2204-2212.	2.4	31

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19	Microwave-assisted synthesis of arene ruthenium(π -arene) complexes $[(\eta^6\text{-RC}_6\text{H}_5)\text{Ru}(\text{m-MOPIP})\text{Cl}]\text{Cl}$ (R = -H and $-\text{CH}_3$) as groove binder to c-myc G4 DNA. Dalton Transactions, 2014, 43, 9216-9225.	3.3	29
20	Microwave-assisted synthesis of phenanthroimidazole derivatives as stabilizer of c-myc G-quadruplex DNA. Bioorganic and Medicinal Chemistry, 2014, 22, 6503-6508.	3.0	28
21	Mitochondrial Fragmentation Is an Important Cellular Event Induced by Ruthenium(II) Polypyridyl Complexes in Osteosarcoma Cells. ChemMedChem, 2014, 9, 714-718.	3.2	24
22	Ruthenium(II) complexes of 2-(2-pyridyl)naphthoimidazole: synthesis, characterization and DNA-binding studies. Journal of Coordination Chemistry, 2008, 61, 3213-3224.	2.2	23
23	Synthesis, characterization and DNA binding studies of ruthenium(II) complexes: $[\text{Ru}(\text{bpy})_2(\text{dtmi})]^{2+}$ and $[\text{Ru}(\text{bpy})_2(\text{dtmi})]^{2+}$. Transition Metal Chemistry, 2007, 32, 762-768.	1.4	22
24	Reaction of 5-alkoxy-3,4-dihalo-2(5H)-furanones with secondary amines: expected versus unanticipated products and their preliminary bioactivity investigations. Monatshefte für Chemie, 2012, 143, 443-453.	1.8	21
25	Nucleus-enriched Ruthenium Polypyridine Complex Acts as a Potent Inhibitor to Suppress Triple-negative Breast Cancer Metastasis In vivo. Computational and Structural Biotechnology Journal, 2019, 17, 21-30.	4.1	20
26	Studies on the interactions of a novel ruthenium(II) complex with G-quadruplex DNA. Transition Metal Chemistry, 2008, 33, 907-910.	1.4	19
27	Bis(5-hydroxy)furanone derivatives as new anticancer agents: Design, synthesis, biological evaluation, and mechanism studies. Chemical Biology and Drug Design, 2018, 92, 1232-1240.	3.2	19
28	Ruthenium(II) Complexes as Potential Apoptosis Inducers in Chemotherapy. Anti-Cancer Agents in Medicinal Chemistry, 2017, 17, 29-39.	1.7	19
29	Synthesis and characterization of chiral ruthenium(II) complexes $[\text{Ru}(\text{bpy})_2(\text{H}_2\text{iip})](\text{ClO}_4)_2$ as stabilizers of c-myc G-quadruplex DNA. Journal of Coordination Chemistry, 2015, 68, 1465-1475.	2.2	18
30	Synthesis, characterization and DNA-binding properties of Ru(II) complexes coordinated by ofloxacin as potential antitumor agents. Journal of Coordination Chemistry, 2015, 68, 1489-1499.	2.2	18
31	A novel synthesized phenanthroline derivative is a promising DNA-damaging anticancer agent inhibiting G1/S checkpoint transition and inducing cell apoptosis in cancer cells. Cancer Chemotherapy and Pharmacology, 2016, 77, 169-180.	2.3	18
32	Photoinduced cleavage and DNA-binding of the Ruthenium(II) polypyridyl complex $[\text{Ru}(\text{phen})_2(\text{ipbd})](\text{ClO}_4)_2$. Transition Metal Chemistry, 2007, 32, 332-337.	1.4	17
33	Effect of the ancillary ligands on the binding of ruthenium(II) complexes $[\text{Ru}(\text{dmp})_2(\text{MCMIP})]^{2+}$ and $[\text{Ru}(\text{dmb})_2(\text{MCMIP})]^{2+}$ with DNA. Journal of Coordination Chemistry, 2009, 62, 665-675.	2.2	16
34	Synthesis, docking studies and antitumor activity of phenanthroimidazole derivatives as promising c-myc G-quadruplex DNA stabilizers. Bioorganic Chemistry, 2020, 102, 104074.	4.1	15
35	Microwave-assisted synthesis of ruthenium(II) complexes with alkynes as potential inhibitor by selectively recognizing c-myc G-quadruplex DNA. Journal of Inorganic Biochemistry, 2017, 176, 113-122.	3.5	14
36	Studies on cytotoxic and DNA-binding properties of two ruthenium(II) complexes of a substituted phenanthroline ligand. Transition Metal Chemistry, 2008, 33, 499-503.	1.4	13

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37	A Ruthenium(II) complex as a potential luminescent switch-on probe for G-quadruplex DNA. <i>RSC Advances</i> , 2017, 7, 23727-23734.	3.6	13
38	Microwave-assisted synthesis of polypyridyl ruthenium(II) complexes as potential tumor-targeting inhibitors against the migration and invasion of Hela cells through G2/M phase arrest. <i>RSC Advances</i> , 2017, 7, 26625-26632.	3.6	13
39	Microwave-Assisted Synthesis of Arene Ru(II) Complexes Induce Tumor Cell Apoptosis Through Selectively Binding and Stabilizing bcl-2 G-Quadruplex DNA. <i>Materials</i> , 2016, 9, 386.	2.9	12
40	In vitro evaluation of ruthenium complexes for photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 18, 83-94.	2.6	12
41	Synthesis, characterization and RNA-binding properties of a novel ruthenium(II) complex coordinated by 5-pyridine-10,15,20-triphenylporphyrin. <i>Transition Metal Chemistry</i> , 2007, 32, 685-688.	1.4	11
42	Imaging of the nuclei of living tumor cells by novel ruthenium(II) complexes coordinated with 6-chloro-5-hydroxylpyrido[3,2-a]phenazine. <i>RSC Advances</i> , 2015, 5, 63330-63337.	3.6	11
43	MiRNA-127-3p targets XRCC3 to enhance the chemosensitivity of esophageal cancer cells to a novel phenanthroline-dione derivative. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 79, 158-167.	2.8	11
44	Selective stabilization of multiple promoter G-quadruplex DNA by using 2-phenyl-1H-imidazole-based tanshinone IIA derivatives and their potential suppressing function in the metastatic breast cancer. <i>Bioorganic Chemistry</i> , 2021, 106, 104433.	4.1	11
45	Microwave-Assisted Synthesis of Arene Ruthenium(II) Complex as Apoptosis Inducer of A549 Cells. <i>Australian Journal of Chemistry</i> , 2013, 66, 1422.	0.9	10
46	Ruthenium(II) Complexes as Potential Apoptosis Inducers in Chemotherapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2017, 17, 29-39.	1.7	10
47	Effect of substituents on DNA-binding behaviors of ruthenium(II) complexes: [Ru(dmb) ₂ (dtmi)] ²⁺ and [Ru(dmb) ₂ (dtmi)] ²⁺ . <i>Journal of Coordination Chemistry</i> , 2009, 62, 1701-1708.	2.2	9
48	Synthesis, characterization of ruthenium(II) complex of 1,3,8-trihydroxy-6-methyl-anthraquinone (emodin) and its binding behavior with c-myc G-quadruplex. <i>Inorganica Chimica Acta</i> , 2014, 418, 23-29.	2.4	9
49	Tanshinone IIA derivatives induced S-phase arrest through stabilizing c-myc G-quadruplex DNA to regulate ROS-mediated PI3K/Akt/mTOR pathway. <i>European Journal of Pharmacology</i> , 2021, 912, 174586.	3.5	9
50	A phenanthroline derivative enhances radiosensitivity of hepatocellular carcinoma cells by inducing mitochondria-dependent apoptosis. <i>European Journal of Pharmacology</i> , 2019, 843, 285-291.	3.5	8
51	Arene ruthenium(II) Complexes: The Promising Chemotherapeutic Agent in Inhibiting the Proliferation, Migration and Invasion. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016, 16, 796-803.	2.4	8
52	Microwave-Assisted Synthesis of Imidazo[4,5-f][1,10]phenanthroline Derivatives as Apoptosis Inducers in Chemotherapy by Stabilizing Bcl-2 G-quadruplex DNA. <i>Molecules</i> , 2017, 22, 829.	3.8	7
53	Phenanthroimidazole derivatives act as potent inducer of autophagy by activating DNA damage pathway. <i>Bioorganic Chemistry</i> , 2019, 88, 102940.	4.1	7
54	Title is missing!. <i>Transition Metal Chemistry</i> , 2003, 28, 500-505.	1.4	6

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55	Investigation on DNA Binding and Photo-Cleavage Properties of Water-Soluble Porphyrin and Metalloporphyrins. <i>Transition Metal Chemistry</i> , 2005, 30, 684-690.	1.4	6
56	Tanshinoneâ€¦A phenanthroimidazole derivative polarizes macrophage to improve metabolic homeostasis. <i>Biochemical and Biophysical Research Communications</i> , 2019, 514, 861-867.	2.1	6
57	Autophagy-Related Genes in Atherosclerosis. <i>Journal of Healthcare Engineering</i> , 2021, 2021, 1-11.	1.9	6
58	Cytotoxic and DNA-binding properties of two ruthenium(II) porphyrin complexes. <i>Transition Metal Chemistry</i> , 2008, 33, 1053-1058.	1.4	5
59	A novel ruthenium(II)â€“polypyridyl complex inhibits cell proliferation and induces cell apoptosis by impairing DNA damage repair. <i>Journal of Chemotherapy</i> , 2014, 26, 235-242.	1.5	5
60	Chiral ruthenium(II) complex as potent radiosensitizer of ¹²⁵ I through DNA-damage-mediated apoptosis. <i>RSC Advances</i> , 2018, 8, 20612-20618.	3.6	5
61	Copper-catalyzed synthesis of phenol and diaryl ether derivatives via hydroxylation of diaryliodoniums. <i>RSC Advances</i> , 2019, 9, 21525-21529.	3.6	5
62	Chiral ruthenium(II) complex $[Ru(bpy)_2(o-FMIP)]$ (bpy = bipyridine, o-FMIP = 2-(2,4-dichlorophenyl)-1H-imidazo[4,5-f][1,10]phenanthroline) induced DNA damage. <i>European Journal of Pharmacology</i> , 2019, 853, 49-55.	3.5	4
63	Microwave-assisted synthesis of ruthenium(II) complexes containing levofloxacin-induced G2/M phase arrest by triggering DNA damage. <i>RSC Advances</i> , 2021, 11, 4444-4453.	3.6	4
64	Synthesis of Fluorinated Imidazole[4,5-f][1,10]phenanthroline Derivatives as Potential Inhibitors of Liver Cancer Cell Proliferation by Inducing Apoptosis via DNA Damage. <i>ChemMedChem</i> , 2022, 17, .	3.2	4
65	Tanshinone IIA and its derivative activate thermogenesis in adipocytes and induce β -oxidation of white adipose tissue. <i>Molecular and Cellular Endocrinology</i> , 2022, 544, 111557.	3.2	4
66	Arene Ru(II) Complexes with Difluorinated Ligands Act as Potential Inducers of S-Phase Arrest via the Stabilization of c-myc G-Quadruplex DNA. <i>Molecules</i> , 2022, 27, 1897.	3.8	4
67	Arene Ru(II) Complexes Acted as Potential KRAS G-Quadruplex DNA Stabilizer Induced DNA Damage Mediated Apoptosis to Inhibit Breast Cancer Progress. <i>Molecules</i> , 2022, 27, 3046.	3.8	4
68	The photocleavage properties of a novel ruthenium(II) complex on liver cancer cells Bel-7402 DNA. <i>Transition Metal Chemistry</i> , 2006, 31, 1024-1027.	1.4	3
69	Inhibiting the growth of tumor cells by ruthenium(II) complexes $[Ru(phen)_2L]$ (L = o-TFMPIP and p-CPIP) through DNA-binding. <i>Journal of Coordination Chemistry</i> , 2016, 69, 3507-3517.	2.2	3
70	Synthesis, DNA-binding, and antitumor activity of polypyridyl-ruthenium(II) complexes $[Ru(L)_2(DClPIP)]$ (L = bpy, phen; DCIPIP = 2-(2,4-dichlorophenyl)-1H-imidazo[4,5-f][1,10]phenanthroline). <i>Journal of Coordination Chemistry</i> , 2019, 72, 2050-2064.	2.2	3
71	Fast detection, a precise and sensitive diagnostic agent for breast cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, .	8.6	3
72	Synthesis of Chiral Amino Acid-Linked Porphyrin Protein Supramolecular Complexes and Their Novel Induced Circular Dichroism. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2000, 30, 791-802.	1.8	2

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73	Self-assembly of c-myc DNA promoted by a single enantiomer ruthenium complex as a potential nuclear targeting gene carrier. <i>Scientific Reports</i> , 2016, 6, 28582.	3.3	2
74	High-order self-assembly of G-quadruplex DNA: Nano-network formation under the guidance of arene ruthenium(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2018, 189, 81-90.	3.5	2
75	Preparation of Ru(II)-oligonucleotide nanosized polymers as potential tumor-imaging luminescent probes. <i>RSC Advances</i> , 2018, 8, 30573-30581.	3.6	2
76	Tissue regeneration promotion effects of phenanthroimidazole derivatives through pro-inflammatory pathway activation. <i>Fish and Shellfish Immunology</i> , 2018, 80, 582-591.	3.6	2
77	Newly synthesized phenanthroimidazole derivatives L082 as a safe anti-tumor and anti-injury inflammation bifunctional compound. <i>European Journal of Pharmacology</i> , 2020, 889, 173571.	3.5	2
78	Recognizing and stabilizing miR-21 by chiral ruthenium(II) complexes. <i>BMC Chemistry</i> , 2020, 14, 26.	3.8	2
79	Microwave-Assisted Synthesis, Characterisation, and DNA-Binding Properties of Ru(II) Complexes Coordinated by Norfloxacin as Potential Tumour Inhibitors. <i>Australian Journal of Chemistry</i> , 2019, 72, 400.	0.9	1
80	Chiral Ru(II) complexes act as a potential non-viral gene carrier for directional transportation to the nucleus and cytoplasm. <i>Metallomics</i> , 2020, 12, 504-513.	2.4	1
81	Cardioprotective effects of timosaponin B-II isolated from rhizome in a zebrafish model. <i>Die Pharmazie</i> , 2020, 75, 201-204.	0.5	1
82	The DNA-binding behavior and DFT calculation of ruthenium(II) complexes [Ru(phen) ₂ L](ClO ₄) ₂ (L =)	0.0	0