

Ruthenium(II)â€™Arene RAPTA Type Complexes Contain Bisdemethoxycurcumin Display Potent and Selective A

Organometallics

33, 3709-3715

DOI: 10.1021/om500317b

Citation Report

#	ARTICLE	IF	CITATIONS
3	In Vitro and in Vivo Evaluation of Water-Soluble Iminophosphorane Ruthenium(II) Compounds. A Potential Chemotherapeutic Agent for Triple Negative Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 9995-10012.	5.6	105
4	Hydrogen Bonding and Anticancer Properties of Water-Soluble Chiral <i>p</i> -Cymene Ru(II) Compounds with Amino-Oxime Ligands. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2295-2307.	1.8	34
5	Editorial of Special Issue Ruthenium Complex: The Expanding Chemistry of the Ruthenium Complexes. <i>Molecules</i> , 2015, 20, 17244-17274.	4.2	83
6	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.	5.6	115
7	Metal Complexes of Curcumin for Cellular Imaging, Targeting, and Photoinduced Anticancer Activity. <i>Accounts of Chemical Research</i> , 2015, 48, 2075-2083.	17.0	288
8	Metal complexes of curcumin – synthetic strategies, structures and medicinal applications. <i>Chemical Society Reviews</i> , 2015, 44, 4986-5002.	37.7	395
9	Discovery of a dual-targeting organometallic ruthenium complex with high activity inducing early stage apoptosis of cancer cells. <i>Metallomics</i> , 2015, 7, 1573-1583.	2.6	37
10	Organometallic rhodium(III) and iridium(III) cyclopentadienyl complexes with curcumin and bisdemethoxycurcumin co-ligands. <i>Dalton Transactions</i> , 2015, 44, 20523-20531.	3.0	61
11	Remarkable Selectivity and Photo-Cytotoxicity of an Oxidovanadium(IV) Complex of Curcumin in Visible Light. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 447-457.	1.8	32
12	Bis(alkynyl) PTA and DAPTA complexes of Pt(II) and Pd(II). <i>Polyhedron</i> , 2015, 87, 55-62.	2.4	9
13	Systematical investigation of binding interaction between novel ruthenium(II) arene complex with curcumin analogs and ctDNA. <i>Luminescence</i> , 2016, 31, 1384-1394.	2.9	30
14	Interactions of the π -arene-stool- π [ruthenium(II)(η^6 -arene)(quinolone)Cl] ⁺ complexes with water; DFT computational study. <i>Journal of Computational Chemistry</i> , 2016, 37, 1766-1780.	4.8	3
16	In vitro interaction investigation between three Ru(II) arene complexes and human serum albumin: structural influences. <i>RSC Advances</i> , 2016, 6, 47043-47054.	4.4	24
17	Synthesis and in vitro Toxicity of α -Glucose and α -Fructose Conjugated Curcumin-Ruthenium Complexes. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5197-5204.	1.8	18
18	Arene ruthenium(II) complexes with chalcone, aminoantipyrine and aminopyrimidine based ligands: synthesis, structure and preliminary evaluation of anti-leukemia activity. <i>RSC Advances</i> , 2016, 6, 90982-90992.	4.4	32
19	Ruthenium(II) <i>p</i> -cymene complexes of naphthoquinone derivatives as antitumor agents: A structure-activity relationship study. <i>Journal of Organometallic Chemistry</i> , 2016, 822, 211-220.	2.1	27
20	Neutral 1,3,5-Triaza-7-phosphaadamantane-Ruthenium(II) Complexes as Precursors for the Preparation of Highly Water-Soluble Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2850-2860.	1.8	17
21	Synthesis, Structure, and Anticancer Activity of Arene-Ruthenium(II) Complexes with Acylpyrazolones Bearing Aliphatic Groups in the Acyl Moiety. <i>Inorganic Chemistry</i> , 2016, 55, 11770-11781.	4.6	65

#	ARTICLE	IF	CITATIONS
22	From Sunscreen to Anticancer Agent: Ruthenium(II) Arene Avobenzone Complexes Display Potent Anticancer Activity. <i>Organometallics</i> , 2016, 35, 3734-3742.	2.9	42
23	Fine tuning through valence bond tautomerization of ancillary ligands in ruthenium(II) arene complexes for better anticancer activity and enzyme inhibition properties. <i>Dalton Transactions</i> , 2016, 45, 19277-19289.	3.0	12
24	Photorelease and Cellular Delivery of Mitocurcumin from Its Cytotoxic Cobalt(III) Complex in Visible Light. <i>Inorganic Chemistry</i> , 2016, 55, 6027-6035.	4.6	76
25	In vitro Cytotoxicity of Half-Sandwich Platinum Group Metal Complexes of a Cationic Alkylated Phosphaadamantane Ligand. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1267-1273.	1.8	17
26	Reduction Process of Tetraplatin in the Presence of Deoxyguanosine Monophosphate (dGMP): A Computational DFT Study. <i>Chemistry - A European Journal</i> , 2016, 22, 1037-1047.	3.4	12
27	Metal-based drugs that break the rules. <i>Dalton Transactions</i> , 2016, 45, 3201-3209.	3.0	290
28	(η -6-Arene)ruthenium complexes with P-coordinated phosphinoferrrocene amides bearing extended polar substituents at the amide nitrogen: Synthesis, characterization and cytotoxicity. <i>Journal of Organometallic Chemistry</i> , 2016, 802, 21-26.	2.1	20
29	Water-soluble Ru(II)- and Ru(III)-halide-PTA complexes (PTA = 1,3,5-triaza-7-phosphaadamantane): Chemical and biological properties. <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 180-188.	3.0	26
30	Multispectroscopic Investigation of the Interaction Between two Ruthenium(II) Arene Complexes of Curcumin Analogs and Human Serum Albumin. <i>Biological Trace Element Research</i> , 2015, 169, 189-203.	3.0	21
31	Metal complexes of curcumin and curcumin derivatives for molecular imaging and anticancer therapy. <i>Coordination Chemistry Reviews</i> , 2016, 307, 32-41.	23.1	118
32	The development of RAPTA compounds for the treatment of tumors. <i>Coordination Chemistry Reviews</i> , 2016, 306, 86-114.	23.1	442
33	Ruthenium(II)-arene complexes with dibenzoylmethane induce apoptotic cell death in multiple myeloma cell lines. <i>Inorganica Chimica Acta</i> , 2017, 454, 139-148.	2.8	30
34	Lipid-based carriers for controlled delivery of nitric oxide. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 1341-1353.	5.0	36
35	Synthesis, Structures, and CO Release Capacity of a Family of Water-Soluble PhotoCORMs: Assessment of the Biocompatibility and Their Phototoxicity toward Human Breast Cancer Cells. <i>Inorganic Chemistry</i> , 2017, 56, 1534-1545.	4.6	93
36	Synthesis, characterization, cytotoxic activity of half-sandwich rhodium(III), and iridium(III) complexes with curcuminoids. <i>Journal of Organometallic Chemistry</i> , 2017, 833, 54-60.	2.1	21
37	(Pentamethylcyclopentadienato)rhodium Complexes for Delivery of the Curcumin Anticancer Drug. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1812-1823.	1.8	19
38	Side Reactions with an Equilibrium Constraint: Detailed Mechanism of the Substitution Reaction of Tetraplatin with dGMP as a Starting Step of the Platinum(IV) Reduction Process. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4400-4413.	2.7	4
39	Dicationic Ruthenium(II) η -Arene Curcumin Complexes Containing Methylated 1,3,5-Triaza-7-phosphaadamantane: Synthesis, Structure, and Cytotoxicity. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2905-2910.	1.8	24

#	ARTICLE	IF	CITATIONS
40	Ruthenium Anticancer Agentsâ€”From Cisplatin Analogues to Rational Drug Design. , 0, , 1-21.		3
41	A ruthenium(II)-trithiacyclononane curcumin complex: Synthesis, characterization, DNA-interaction, and cytotoxic activity. <i>Journal of Coordination Chemistry</i> , 2017, 70, 2393-2408.	2.6	5
42	Synthesis and biological studies of ruthenium, rhodium and iridium metal complexes with pyrazole-based ligands displaying unpredicted bonding modes. <i>Inorganica Chimica Acta</i> , 2017, 462, 223-235.	2.8	15
43	New highly cytotoxic organic and organometallic bexarotene derivatives. <i>Journal of Organometallic Chemistry</i> , 2017, 839, 91-97.	2.1	16
44	Î²â€”Diketones as Scaffolds for Anticancer Drug Design â€” From Organic Building Blocks to Natural Products and Metallodrug Components. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1655-1666.	1.8	78
45	Synthesis, characterization and anticancer activity of a series of curcuminoids and their halfâ€”sandwich ruthenium(II) complexes. <i>Applied Organometallic Chemistry</i> , 2017, 31, .	3.8	8
46	Aminophosphine ligands as a privileged platform for development of antitumoral ruthenium(II) arene complexes. <i>Dalton Transactions</i> , 2017, 46, 16113-16125.	3.0	31
47	Curcumin â€”Drugâ€”Stabilized in Oxidovanadium(IV)-BODIPY Conjugates for Mitochondria-Targeted Photocytotoxicity. <i>Inorganic Chemistry</i> , 2017, 56, 12457-12468.	4.6	68
48	Cytotoxic Half-Sandwich Rh(III) and Ir(III) Î²-Diketonates. <i>Inorganic Chemistry</i> , 2017, 56, 13600-13612.	4.6	42
49	Comparative investigation of interactions between two ruthenium(II) arene PTA type complexes with curcuminoid ligands and human serum albumin. <i>Journal of Organometallic Chemistry</i> , 2017, 853, 81-92.	2.1	13
50	Half-sandwich d6 metal complexes with bis(pyridine carboxamide)benzene ligand: Synthesis and spectral analysis. <i>Journal of Molecular Structure</i> , 2017, 1149, 162-170.	4.1	10
51	Curcumin and Its Derivatives â€” Isolation, Synthesis, and Applications. , 2017, , 145-174.		4
52	Trends and Perspectives of Ruthenium Anticancer Compounds (Nonâ€”Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 267 Td (<sc>PDT</sc> 2
53	The development of anticancer ruthenium(II) complexes: from single molecule compounds to nanomaterials. <i>Chemical Society Reviews</i> , 2017, 46, 5771-5804.	37.7	971
54	Areneâ€”Ruthenium(II) Complexes with Bioactive ortho-Hydroxydibenzoylmethane Ligands: Synthesis, Structure, and Cytotoxicity. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1800-1806.	1.8	25
55	Organoruthenium(II)-Arene Complexes. , 2017, , 119-146.		5
56	Plantâ€”Based Natural Products. , 2017, , .		6
57	Synthesis, characterization and cytotoxicity of areneâ€”ruthenium(II) complexes with acylpyrazolones functionalized with aromatic groups in the acyl moiety. <i>Dalton Transactions</i> , 2018, 47, 868-878.	3.0	30

#	ARTICLE	IF	CITATIONS
58	Making organoruthenium complexes of 8-hydroxyquinolines more hydrophilic: impact of a novel <i>l</i> -phenylalanine-derived arene ligand on the biological activity. Dalton Transactions, 2018, 47, 2192-2201.	3.0	40
59	Synthesis, structural characterisation and antiproliferative activity of a new fluorescent 4-amino-1,8-naphthalimide Trä¶ger's baseâ€Ru(II)â€curcumin organometallic conjugate. Chemical Communications, 2018, 54, 4120-4123.	3.4	42
60	Evaluation of Anticancer Activity of Waterâ€Soluble Curcumin through the Induction of Apoptosis by p53 and p21 Modulation. ChemistrySelect, 2018, 3, 2976-2981.	1.7	7
61	Photonics in Drug Delivery. , 2018, , 131-151.		0
62	Isomeric ruthenium(II) complexes for cancer therapy and cellular imaging. Inorganica Chimica Acta, 2018, 469, 593-599.	2.8	6
63	RAPTA complexes containing Nâ€substituted Tetrazole scaffolds: Synthesis, characterization and Antiproliferative activity. Applied Organometallic Chemistry, 2018, 32, e4179.	3.8	10
64	Synthesis, characterization and ROS-mediated antitumor effects of palladium(II) complexes of curcuminoids. European Journal of Medicinal Chemistry, 2018, 144, 662-671.	5.3	41
65	Organometallics in Cancer Treatmentâ€Non-conventional Structures and Modes of Action. , 2018, , .		1
66	Highly Cytotoxic Ruthenium(II)-Arene Complexes from Bulky 1-Pyrenylphosphane Ligands. Inorganic Chemistry, 2018, 57, 14786-14797.	4.6	38
67	Versatile coordination of acetazolamide to ruthenium(II) <i>p</i> -cymene complexes and preliminary cytotoxicity studies. Dalton Transactions, 2018, 47, 9367-9384.	3.0	25
68	Influence of Functionalized \hat{C}_6 -Arene Rings on Ruthenium(II) Curcuminoids Complexes. ChemistrySelect, 2018, 3, 6696-6700.	1.7	10
69	A Bioactive <i>l</i> -Phenylalanine-Derived Arene in Multitargeted Organoruthenium Compounds: Impact on the Antiproliferative Activity and Mode of Action. Inorganic Chemistry, 2018, 57, 8521-8529.	4.6	32
70	Composite Materials Based on (Cymene)Ru(II) Curcumin Additives Loaded on Porous Carbon Adsorbents from Agricultural Residues Display Efficient Antibacterial Activity. ACS Applied Bio Materials, 2018, 1, 153-159.	4.7	6
71	Halfâ€Sandwich Metal Complexes with \hat{C}_6 -diketoneâ€Like Ligands and Their Anticancer Activity. European Journal of Inorganic Chemistry, 2018, 2018, 3521-3536.	1.8	35
72	The Progresses in curcuminoids-based Metal Complexes: Especially in Cancer Therapy. Future Medicinal Chemistry, 2019, 11, 1035-1056.	2.3	15
73	Novel osmium(II)â€cymene complexes containing curcumin and bisdemethoxycurcumin ligands. Inorganic Chemistry Frontiers, 2019, 6, 2448-2457.	6.3	14
74	Ruthenium arene complexes with mono-carbonyl analogues of curcumin as pendant or bridging ligands: Synthesis, anti-cancer activity and interaction with quadruplex DNA. Polyhedron, 2019, 171, 396-402.	2.4	9
75	Zn(II) Curcuminates Complexes with 2,2â€bipyridine and Carboxylates. Molecules, 2019, 24, 2540.	4.2	19

#	ARTICLE	IF	CITATIONS
76	Hydroxyquinoline-derived anticancer organometallics: Introduction of amphiphilic PTA as an ancillary ligand increases their aqueous solubility. <i>Journal of Inorganic Biochemistry</i> , 2019, 199, 110768.	3.0	44
77	Photocytotoxic Activity of Copper(II) and Zinc(II) Complexes of Curcumin and (Acridinyl)dipyridophenazine. <i>ChemistrySelect</i> , 2019, 4, 9647-9658.	1.7	16
78	Eighteen 5,7-Dihalo-8-quinolinol and 2,2'-Bipyridine Co(II) Complexes as a New Class of Promising Anticancer Agents. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 1603-1608.	3.3	34
79	Strong in Vitro and vivo cytotoxicity of novel organoplatinum(II) complexes with quinoline-coumarin derivatives. <i>European Journal of Medicinal Chemistry</i> , 2019, 184, 111751.	5.3	71
80	Scope of organometallic compounds based on transition metal-arene systems as anticancer agents: starting from the classical paradigm to targeting multiple strategies. <i>RSC Advances</i> , 2019, 9, 3239-3278.	4.4	80
81	Development of Natural Product-Conjugated Metal Complexes as Cancer Therapies. <i>International Journal of Molecular Sciences</i> , 2019, 20, 341.	4.4	43
82	High in Vitro and in Vivo Tumor-Selective Novel Ruthenium(II) Complexes with 3-(2-Benzimidazolyl)-7-fluoro-coumarin. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 936-940.	3.3	57
83	Rationally designed curcumin based ruthenium(II) antimicrobials effective against drug-resistant <i>Staphylococcus aureus</i> . <i>Dalton Transactions</i> , 2019, 48, 11822-11828.	3.0	46
84	Non-platinum complexes containing releasable biologically active ligands. <i>Coordination Chemistry Reviews</i> , 2019, 395, 130-145.	23.1	99
85	Comparable investigation of in vitro interactions between three ruthenium(II) arene complexes with curcumin analogs and ctDNA. <i>Polyhedron</i> , 2019, 167, 51-61.	2.4	8
86	Vibrational signatures of curcumin's chelation in copper(II) complexes: An appraisal by IRMPD spectroscopy. <i>Journal of Chemical Physics</i> , 2019, 150, .	2.8	11
87	Novel half-sandwich rhodium(III) and iridium(III) photosensitizers for dual chemo- and photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 26, 448-454.	2.2	15
88	Design of organoruthenium complexes for nanoparticle functionalization. <i>Journal of Organometallic Chemistry</i> , 2019, 891, 64-71.	2.1	0
89	Photocytotoxic cancer cell-targeting platinum(II) complexes of glucose-appended curcumin and biotinylated 1,10-phenanthroline. <i>Dalton Transactions</i> , 2019, 48, 17556-17565.	3.0	37
90	Synthesis and antimicrobial studies of half-sandwich arene platinum group complexes containing pyridylpyrazolyl ligands. <i>Journal of Coordination Chemistry</i> , 2019, 72, 294-308.	2.6	16
91	Antifibrotic and tumor microenvironment modulating effect of date palm fruit (<i>Phoenix dactylifera</i>) Tj ETQq1 1 0.784314 rgBT/Overlo	6.7	39
92	Conjugating Biotin to Ruthenium(II) Arene Units via Phosphine Ligand Functionalization. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1061-1072.	1.8	11
93	Use of anethole-type ligands to design cytotoxic organometallic ruthenium compounds: An experimental and computational study. <i>Journal of Organometallic Chemistry</i> , 2020, 908, 121094.	2.1	2

#	ARTICLE	IF	CITATIONS
94	Encapsulation of a Ru(I -cymene) complex of the antibacterial drug trimethoprim into a polydiacetylene-phospholipid assembly to enhance its <i>in vitro</i> anticancer and antibacterial activities. <i>New Journal of Chemistry</i> , 2020, 44, 20047-20059.	2.4	22
95	Synthesis, characterization and photodynamic activity of half-sandwich rhodium(III) complexes with curcuminoids. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 32, 102049.	2.2	6
96	Investigating the reactivity of neutral water-soluble Ru(II)-PTA carbonyls towards the model imine ligands pyridine and 2,2'-bipyridine. <i>RSC Advances</i> , 2020, 10, 26717-26727.	4.4	3
97	<p>Ruthenium Complexes as Anticancer Agents: A Brief History and Perspectives</p>. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 5375-5392.	6.9	349
98	Cp and indenyl ruthenium complexes containing dithione derivatives: Synthesis, antibacterial and antifungal study. <i>Journal of Organometallic Chemistry</i> , 2020, 923, 121418.	2.1	4
99	Synthesis and anti-cancer activity of bis-amino-phosphine ligand and its ruthenium(II) complexes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127492.	2.0	16
100	Novel Zn(II) Coordination Polymers Based on the Natural Molecule Bisdemethoxycurcumin. <i>Crystal Growth and Design</i> , 2020, 20, 6555-6564.	3.4	6
101	Curcumin Innovative Delivery Forms: Paving the "Yellow Brick Road" of Antitumoral Phytotherapy. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8990.	2.1	13
102	Bifunctional ruthenium(II) polypyridyl complexes of curcumin as potential anticancer agents. <i>Dalton Transactions</i> , 2020, 49, 9454-9463.	3.0	37
103	New Tailored RNA-Targeted Organometallic Drug Candidates against Huh7 (Liver) and Du145 (Prostate) Cancer Cell Lines. <i>ACS Omega</i> , 2020, 5, 15218-15228.	4.3	22
104	Novel ruthenium and palladium complexes as potential anticancer molecules on SCLC and NSCLC cell lines. <i>Chemical Papers</i> , 2020, 74, 2883-2892.	2.2	16
105	Synthesis, Characterization, Cytotoxic Activity, and Metabolic Studies of Ruthenium(II) Polypyridyl Complexes Containing Flavonoid Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 4424-4434.	4.6	49
106	Imaging and therapeutic applications of Zn(II)-cryptolepine-curcumin molecular probes in cell apoptosis detection and photodynamic therapy. <i>Chemical Communications</i> , 2020, 56, 3999-4002.	3.4	54
107	A ruthenium(II)-curcumin compound modulates NRF2 expression balancing the cancer cell death/survival outcome according to p53 status. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, .	11.3	30
108	Nuclear factor erythroid 2 (NFE2) p45-related factor 2 interferes with homeodomain-interacting protein kinase 2/p53 activity to impair solid tumors chemosensitivity. <i>IUBMB Life</i> , 2020, 72, 1634-1639.	2.9	10
109	Tethering (Arene)Ru(II) Acylpyrazolones Decorated with Long Aliphatic Chains to Polystyrene Surfaces Provides Potent Antibacterial Plastics. <i>Materials</i> , 2020, 13, 526.	2.9	8
110	Protein binding studies with human serum albumin, molecular docking and <i>in vitro</i> cytotoxicity studies using HeLa cervical carcinoma cells of Cu(II)/Zn(II) complexes containing a carbohydrazone ligand. <i>Dalton Transactions</i> , 2020, 49, 2947-2965.	3.0	48
111	Ruthenium(II)-arene complexes containing ferrocenamide ligands: Synthesis, characterisation and antiproliferative activity against cancer cell lines. <i>Journal of Organometallic Chemistry</i> , 2020, 916, 121247.	2.1	11

#	ARTICLE	IF	CITATIONS
112	Synthesis of half sandwich platinum group metal complexes containing pyridyl benzothiazole hydrazones: Study of bonding modes and antimicrobial activity. <i>Journal of Organometallic Chemistry</i> , 2020, 914, 121225.	2.1	21
113	Drive to organoruthenium and organoiridium complexes from organoplatinum: Next-generation anticancer metalloterapeutics. <i>Inorganic Chemistry Communication</i> , 2021, 124, 108364. Stereoisomeric Control in [RuCl ₂ (PTA) ₂ (2L)] Complexes (2L=2py or bpy): From Theoretical Calculations to a 2+2 Metallacycle of Pyridylporphyrins. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 321-334.	4.8	22
114	(PTA) ₂ (2L)] Complexes (2L=2py or bpy): From Theoretical Calculations to a 2+2 Metallacycle of Pyridylporphyrins. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 321-334.	1.8	0
115	Functionalized gold nanoparticles: from organoruthenium complex to nanomaterial for antiproliferative activity. <i>Dalton Transactions</i> , 2021, 50, 8232-8242.	3.0	14
116	Mitochondria-localizing curcumin-cryptolepine Zn(II) complexes and their antitumor activity. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 30, 115948.	2.6	23
117	Specific Loading and In Vitro Controlled Release of a Ru-Based Hydrophobically Encapsulated Model Anticancer Drug inside Nanoassemblies toward Stimuli-Responsive Drug Delivery. <i>ACS Applied Nano Materials</i> , 2021, 4, 2037-2051.	5.3	15
118	Biotin-Appended Iron(III) Complexes of Curcumin for Targeted Photochemotherapy. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1640-1650.	1.8	13
119	Piano-Stool Ruthenium(II) Complexes with Delayed Cytotoxic Activity: Origin of the Lag Time. <i>Inorganic Chemistry</i> , 2021, 60, 7974-7990.	4.6	30
120	Ruthenium(II) 1,4,7-trithiacyclononane complexes of curcumin and bisdemethoxycurcumin: Synthesis, characterization, and biological activity. <i>Journal of Inorganic Biochemistry</i> , 2021, 218, 111387.	3.0	6
121	Lead (Pb) exposure induces physiological alterations in the serotonergic and vasopressin systems causing anxiogenic-like behavior in <i>Meriones shawi</i> : Assessment of BDMC as a neuroprotective compound for Pb-neurotoxicity and kidney damages. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 65, 126722.	3.0	19
122	Organoruthenium Complexes with Benzo-Fused Pyridiones Overcome Platinum Resistance in Ovarian Cancer Cells. <i>Cancers</i> , 2021, 13, 2493.	3.8	26
123	Ruthenium (II)-Coordinated Supramolecular Metallodrug Complex Realizing Oxygen Self-Supply In Situ for Overcoming Hypoxic Tumors. <i>Advanced Functional Materials</i> , 2021, 31, .	17.0	31
124	Arene ruthenium, rhodium and iridium complexes containing N ³ O chelating ligands: synthesis, antibacterial and antioxidant studies. <i>Journal of Coordination Chemistry</i> , 2021, 74, 2365-2379.	2.6	9
125	Biological Investigations of Ru(II) Complexes with Diverse β -Diketone Ligands. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3611-3621.	1.8	12
126	Photoactivated Osmium Arene Anticancer Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 17450-17461.	4.6	39
127	Tuning the Cytotoxicity of Bis-Phosphino-Amines Ruthenium(II) Para-Cymene Complexes for Clinical Development in Breast Cancer. <i>Pharmaceutics</i> , 2021, 13, 1559.	4.9	5
128	Modulation of catalytic and biomolecular binding properties of ruthenium(II)-arene complexes with the variation of coligands for selective toxicity against cancerous cells. <i>Polyhedron</i> , 2021, 207, 115379.	2.4	20
129	Design concepts of half-sandwich organoruthenium anticancer agents based on bidentate bioactive ligands. <i>Coordination Chemistry Reviews</i> , 2021, 445, 213950.	23.1	83

#	ARTICLE	IF	CITATIONS
130	Synthesis, structure, spectral, redox properties and anti-cancer activity of Ruthenium(II) Arene complexes with substituted Triazole Ligands. <i>Journal of Organometallic Chemistry</i> , 2021, 954-955, 122074.	2.1	10
131	Relativistic Quantum Chemical and Molecular Dynamics Techniques for Medicinal Chemistry of Bioinorganic Compounds. <i>Topics in Medicinal Chemistry</i> , 2021, , 133-193.	0.0	20
132	Acid-assisted hydrogenation of CO ₂ to methanol using Ru(II) and Rh(III) RAPTA-type catalysts under mild conditions. <i>Chemical Communications</i> , 2021, 57, 8941-8944.	3.4	12
133	Variable structural bonding modes and antibacterial studies of thiosemicarbazone ligands of ruthenium, rhodium, and iridium metal complexes. <i>Journal of Coordination Chemistry</i> , 2020, 73, 175-187.	2.6	6
134	Enhanced anticancer property of bio-organometallic nano composites: Design, characterization, and biological evaluation. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	3.8	5
135	Mononuclear Mn complexes featuring N,S,N-donor and 1,3,5-triaza-7-phosphaadamantane ligands: synthesis and electrocatalytic properties. <i>New Journal of Chemistry</i> , 2021, 45, 20272-20279.	2.4	3
136	Complexes of Zn(II) with a mixed tryptanthrin derivative and curcumin chelating ligands as new promising anticancer agents. <i>Dalton Transactions</i> , 2022, 51, 5024-5033.	3.0	24
137	Systematic Study on the Cytotoxic Potency of Commonly Used Dimeric Metal Precursors in Human Cancer Cell Lines. <i>ChemistryOpen</i> , 2022, 11, .	2.6	10
138	A Computational approach toward organometallic ruthenium(II) compounds with tunable hydrolytic properties. <i>Chemical Physics</i> , 2022, 560, 111587.	2.2	1
139	Nanoencapsulation of Ru(<i>p</i> -cymene) Complex Bearing Ginger-based Natural Product into Liposomal Nanoformulation to Improve Its Cellular Uptake and Antiproliferative Activity. <i>ACS Applied Bio Materials</i> , 2022, 5, 3241-3256.	4.7	20
140	Design, Synthesis, and Anticancer Studies of a <i>p</i> -Cymene-Ru(II)-Curcumin Organometallic Conjugate Based on a Fluorescent 4-Amino-1,8-naphthalimide Tröger's Base Scaffold. <i>Inorganic Chemistry</i> , 2022, 61, 11592-11599.	4.6	25
141	Anticancer pH-Responsive Supramolecular Vesicles Fabricated Using Water-Soluble Pillar[5]arene and Curcumin Derivative. <i>Materials and Design</i> , 2022, 222, 111084.	6.9	14
143	Potent and selective anticancer activity of half-sandwich ruthenium and osmium complexes with modified curcuminoid ligands. <i>Dalton Transactions</i> , 2022, 51, 13311-13321.	3.0	20
144	A photoactive lysosome targeting Ru ^{II} complex downregulates stemness genes in oral squamous cell carcinoma. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 5840-5852.	6.3	8
145	Transition metallo-curcumin complexes: a new hope for endometriosis?. <i>Journal of Materials Chemistry B</i> , 2022, 10, 9682-9698.	5.5	5
146	Anticancer evaluation of new organometallic ruthenium(II) flavone complexes. <i>RSC Medicinal Chemistry</i> , 2023, 14, 253-267.	3.2	20
147	Antioxidant conjugated metal complexes and their medicinal applications. <i>Vitamins and Hormones</i> , 2023, , 319-353.	2.9	0
148	Ionic mononuclear [Fe] and heterodinuclear [Fe,Ru] bis(diphenylphosphino)alkane complexes: Synthesis, spectroscopy, DFT structures, cytotoxicity, and biomolecular interactions. <i>Journal of Inorganic Biochemistry</i> , 2023, 242, 112156.	3.0	7

#	ARTICLE	IF	CITATIONS
149	An overview of advancement of organoruthenium(II) complexes as prospective anticancer agents. <i>Coordination Chemistry Reviews</i> , 2023, 487, 215169.	23.1	66
150	NRF2 and Bip Interconnection Mediates Resistance to the Organometallic Ruthenium-Cymene Bisdemethoxycurcumin Complex Cytotoxicity in Colon Cancer Cells. <i>Biomedicines</i> , 2023, 11, 593.	3.4	9
151	Metal Complexes in Cancer Treatment: Journey So Far. <i>Chemistry and Biodiversity</i> , 2023, 20, .	2.2	58
152	“Half-Sandwich” Ruthenium Complexes with Alizarin as Anticancer Agents: <i>In Vitro</i> and <i>In Vivo</i> Studies. <i>Inorganic Chemistry</i> , 2023, 62, 6955-6969.	4.6	19
153	Therapeutic potential and limitations of curcumin as antimetastatic agent. <i>Biomedicine and Pharmacotherapy</i> , 2023, 163, 114758.	6.7	50
154	Monofunctional dimetallic Ru(η -6-arene) complexes inhibit NOTCH1 signaling pathway and synergistically enhance anticancer effect in combination with cisplatin or vitamin C. <i>European Journal of Medicinal Chemistry</i> , 2023, 258, 115536.	5.3	10
155	Nanogels, nanodiscs, yeast cells, and metallo-complexes-based curcumin delivery for therapeutic applications. <i>European Polymer Journal</i> , 2023, 196, 112215.	5.9	16
156	Ruthenium complexes of 1,4-diazabutadiene ligands with a <i>cis</i> -RuCl ₂ moiety for catalytic acceptorless dehydrogenation of alcohols: DFT evidence of chemically non-innocent ligand participation. <i>RSC Advances</i> , 2023, 13, 25660-25672.	4.4	8
157	Novel azo metal chelates of 3-aminophthalhydrazide derivative: Structural investigation, evaluation of DNA cleavage, anticancer and molecular docking studies. <i>Inorganic Chemistry Communication</i> , 2023, 158, 111535.	4.8	0
158	Interaction of gallium, indium, and vanadyl curcumin complexes with hen egg-white lysozyme (HEWL): Mechanistic aspects and evaluation of anti-amyloidogenic activity. <i>Biochemical and Biophysical Research Communications</i> , 2024, 691, 149307.	2.1	0
159	Antimicrobial study of ruthenium and iridium half-sandwich complexes containing fluorenyl hydrazone-thiazole derivative ligands. <i>Journal of Coordination Chemistry</i> , 2023, 76, 1650-1665.	2.6	1
160	NRF2 activation in BON-1 neuroendocrine cancer cells reduces the cytotoxic effects of a novel Ruthenium(II)-curcumin compound: A pilot study. <i>Oncology Reports</i> , 2024, 51, .	2.8	3
161	Unraveling the Anticancer Efficacy and Biomolecular Properties of Ru(II)-Arene Complexes of Pyrene-Based Thiosemicarbazone Ligands: A Comprehensive <i>In Silico</i> / <i>In Vitro</i> Exploration. <i>Organometallics</i> , 2024, 43, 242-260.	2.9	14
162	Biological evaluation of ruthenium(II) complexes appended curcumin derivatives: Synthesis, spectral characterization, anti-oxidant and anti-cancer studies. <i>Inorganica Chimica Acta</i> , 2024, 565, 121997.	2.8	5
163	New Ru(II)-p-cymene compounds bearing indomethacin and indomethacin-pyridineamide ligands: synthesis, characterization, computational studies and investigation of their interactions with the Human Serum Albumin. <i>Inorganica Chimica Acta</i> , 2024, 567, 122060.	2.8	1
164	Development of Half-Sandwich Ru, Os, Rh, and Ir Complexes Bearing the Pyridine-2-ylmethanimine Bidentate Ligand Derived from 7-Chloroquinazolin-4(3H)-one with Enhanced Antiproliferative Activity. <i>ACS Omega</i> , 2024, 9, 18224-18237.	4.3	4
165	Ru(II)-Arene Complexes of Curcumin and Bisdesmethoxycurcumin Metabolites. <i>Inorganic Chemistry</i> , 2024, 63, 7955-7965.	4.6	9
166	Organoruthenium metallocycle induced mutation in <i>gld-1</i> tumor suppression gene in JK1466 strain and appreciable lifespan expansion. <i>Journal of Inorganic Biochemistry</i> , 2024, 257, 112593.	3.0	4

#	ARTICLE	IF	CITATIONS
167	A mini-review on Ru(II)-curcumin metal complexes based anticancer agents. <i>Inorganica Chimica Acta</i> , 2024, 569, 122156.	2.8	6
168	Pd(κ^2 -diphosphine)/curcumin complexes as potential anticancer agents. <i>Dalton Transactions</i> , 2024, 53, 18902-18916.	3.0	6
169	Ruthenium(II) complexes of curcumin and β^2 -diketone derivatives: effect of structural modifications on their cytotoxicity. <i>Royal Society Open Science</i> , 2024, 11, .	2.4	2
170	Biomolecular Interactions and Anticancer Mechanisms of Ru(II)-Arene Complexes of Cinnamaldehyde-Derived Thiosemicarbazone Ligands: Analysis Combining In Silico and In Vitro Approaches. <i>ACS Applied Bio Materials</i> , 2024, 7, 5622-5639.	4.7	12
171	Recent advances in Rh(III)-based anticancer complexes. <i>Coordination Chemistry Reviews</i> , 2025, 525, 216306.	23.1	11
172	Positively-charged, chalcone-hydroxypyron hybrid ruthenium(II)-arene complexes functionalized with ethacrynic acid: Synthesis, characterization, and antitumor effect. <i>Journal of Inorganic Biochemistry</i> , 2025, 263, 112778.	3.0	0
173	Exploring the effect of Ru(κ^2 -arene) complexes on cytotoxicity upon co-ligand variation and loading on amine-functionalized silica nanoparticles. <i>Dalton Transactions</i> , 2025, 54, 7449-7457.	3.0	4
174	Ruthenium (II)-coordinated supramolecular drug self-assembly for efficient combination chemotherapy. <i>Supramolecular Materials</i> , 2025, 4, 100113.	4.0	1
175	Ruthenium(κ^2)-bisdemethoxycurcumin conjugate complexes as potent antitumor agents through simultaneous inhibition of 20S proteasome and HMG-CoA reductase. <i>Dalton Transactions</i> , 2025, 54, 11324-11336.	3.0	2
176	Exploring the toxicity of mononuclear piano-stool Ru(II) anticancer agents: A comprehensive literature review. <i>Coordination Chemistry Reviews</i> , 2025, 543, 216902.	23.1	4
177	Understanding the Modes of Action of β^2 -Ketoiminato Iridium(III) Complexes in Cancer Cells. <i>Inorganic Chemistry</i> , 0, 64, 17189-17199.	4.6	1
179	Fluorescent probe materials based on curcumin derivatives for anti-tumor studies: A review. <i>Results in Chemistry</i> , 0, 18, 102831.	3.5	0
180	Computational insights into Ru(κ^2 -arene) complexes: A review. <i>Coordination Chemistry Reviews</i> , 2025, 543, 216902. docking and molecular dynamics approach. <i>Physical Chemistry Chemical Physics</i> , 0, 28, 1447-1462.	2.7	0
181	Photodynamic therapeutic potential and challenges of platinum group metal complexes in cancer treatment. <i>Journal of Coordination Chemistry</i> , 0, , 1-36.	2.6	0
182	Comparative study of half-sandwich (β^2 -arene)RuCl ₂ (P(OMe) ₃) (p-cymene, C ₆ Me ₆) towards AgOTf and the influence of coordinated solvents in the chemistry of p-cymene derivatives. <i>Journal of Organometallic Chemistry</i> , 0, , 124069.	2.1	0