

# Bernhard Klaus Keppler

## List of Publications by Year in descending order

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517  
papers

26,500  
citations

5558

82  
h-index

12910

131  
g-index

532  
all docs

532  
docs citations

532  
times ranked

16829  
citing authors

#	ARTICLE	IF	CITATIONS
1	From bench to bedside – preclinical and early clinical development of the anticancer agent indazolium trans-[tetrachlorobis(1H-indazole)ruthenate(III)] (KP1019 or FFC14A). <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 891-904.	1.5	882
2	Antitumour metal compounds: more than theme and variations. <i>Dalton Transactions</i> , 2007, , 183-194.	1.6	767
3	KP1019, A New Redox-Active Anticancer Agent – Preclinical Development and Results of a Clinical Phase I Study in Tumor Patients. <i>Chemistry and Biodiversity</i> , 2008, 5, 2140-2155.	1.0	732
4	Update of the Preclinical Situation of Anticancer Platinum Complexes: Novel Design Strategies and Innovative Analytical Approaches. <i>Current Medicinal Chemistry</i> , 2005, 12, 2075-2094.	1.2	657
5	Interactions of Antitumor Metallodrugs with Serum Proteins: Advances in Characterization Using Modern Analytical Methodology. <i>Chemical Reviews</i> , 2006, 106, 2224-2248.	23.0	570
6	NKP-1339, the first ruthenium-based anticancer drug on the edge to clinical application. <i>Chemical Science</i> , 2014, 5, 2925-2932.	3.7	552
7	Anticancer Activity of Metal Complexes: Involvement of Redox Processes. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 1085-1127.	2.5	420
8	Structure-activity relationships for ruthenium and osmium anticancer agents – towards clinical development. <i>Chemical Society Reviews</i> , 2018, 47, 909-928.	18.7	330
9	Metal Drugs and the Anticancer Immune Response. <i>Chemical Reviews</i> , 2019, 119, 1519-1624.	23.0	237
10	Gallium in cancer treatment. <i>Critical Reviews in Oncology/Hematology</i> , 2002, 42, 283-296.	2.0	216
11	Pharmacokinetics of a novel anticancer ruthenium complex (KP1019, FFC14A) in a phase I dose-escalation study. <i>Anti-Cancer Drugs</i> , 2009, 20, 97-103.	0.7	214
12	Structure-Activity Relationships for NAMI-A-type Complexes (HL)[trans-RuCl <sub>4</sub> L(S-dmsoruthenate(III)] (L = Imidazole, Indazole, 1,2,4-Triazole, 4-Amino-1,2,4-triazole, and 1-Methyl-1,2,4-triazole): Aquation, Redox Properties, Protein Binding, and Antiproliferative Activity. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 2185-2193.	2.9	206
13	Resistance against novel anticancer metal compounds: Differences and similarities. <i>Drug Resistance Updates</i> , 2008, 11, 1-16.	6.5	201
14	Redox behavior of tumor-inhibiting ruthenium(III) complexes and effects of physiological reductants on their binding to GMP. <i>Dalton Transactions</i> , 2006, , 1796.	1.6	197
15	Transferrin binding and transferrin-mediated cellular uptake of the ruthenium coordination compound KP1019, studied by means of AAS, ESI-MS and CD spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 46.	1.6	183
16	Influence of the Spacer Length on the <i>In Vitro</i> Anticancer Activity of Dinuclear Ruthenium-Arene Compounds. <i>Organometallics</i> , 2008, 27, 2405-2407.	1.1	180
17	Electron-transfer activated metal-based anticancer drugs. <i>Inorganica Chimica Acta</i> , 2008, 361, 1569-1583.	1.2	177
18	Transferring the Concept of Multinuclearity to Ruthenium Complexes for Improvement of Anticancer Activity. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 916-925.	2.9	168

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19	Carbohydrate-Metal Complexes and their Potential as Anticancer Agents. <i>Current Medicinal Chemistry</i> , 2008, 15, 2574-2591.	1.2	160
20	Tuning of Redox Potentials for the Design of Ruthenium Anticancer Drugs – an Electrochemical Study of [trans-RuCl <sub>4</sub> L(DMSO)]- and [trans-RuCl <sub>4</sub> L <sub>2</sub> ]-Complexes, where L = Imidazole, 1,2,4-Triazole, Indazole. <i>Inorganic Chemistry</i> , 2004, 43, 7083-7093.	1.9	159
21	Redox-Active Antineoplastic Ruthenium Complexes with Indazole: A Correlation of in Vitro Potency and Reduction Potential. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 2831-2837.	2.9	156
22	Ionic Liquids as Extracting Agents for Heavy Metals. <i>Separation Science and Technology</i> , 2012, 47, 189-203.	1.3	155
23	Intracellular protein binding patterns of the anticancer ruthenium drugs KP1019 and KP1339. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 737-748.	1.1	150
24	Gallium(III) and Iron(III) Complexes of $\beta$ -N-Heterocyclic Thiosemicarbazones: Synthesis, Characterization, Cytotoxicity, and Interaction with Ribonucleotide Reductase. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 1254-1265.	2.9	145
25	Impact of Metal Coordination on Cytotoxicity of 3-Aminopyridine-2-carboxaldehyde Thiosemicarbazone (Triapine) and Novel Insights into Terminal Dimethylation. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 5032-5043.	2.9	143
26	Ionic liquids for extraction of metals and metal containing compounds from communal and industrial waste water. <i>Water Research</i> , 2011, 45, 4601-4614.	5.3	142
27	Gallium in Cancer Treatment. <i>Current Topics in Medicinal Chemistry</i> , 2004, 4, 1575-1583.	1.0	138
28	Anticancer Thiosemicarbazones: Chemical Properties, Interaction with Iron Metabolism, and Resistance Development. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 1062-1082.	2.5	137
29	Searching for the Magic Bullet: Anticancer Platinum Drugs Which Can Be Accumulated or Activated in the Tumor Tissue. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2007, 7, 55-73.	0.9	136
30	Highly Antiproliferative Ruthenium(II) and Osmium(II) Arene Complexes with Paullone-Derived Ligands. <i>Organometallics</i> , 2007, 26, 6643-6652.	1.1	134
31	Structure-Activity Relationships of Targeted Ru(II) ( $\eta^6$ -p-Cymene) Anticancer Complexes with Flavonol-Derived Ligands. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10512-10522.	2.9	132
32	Tuning the hydrophobicity of ruthenium(ii)-arene (RAPTA) drugs to modify uptake, biomolecular interactions and efficacy. <i>Dalton Transactions</i> , 2007, , 5065.	1.6	131
33	Targeting the DNA-topoisomerase complex in a double-strike approach with a topoisomerase inhibiting moiety and covalent DNA binder. <i>Chemical Communications</i> , 2012, 48, 4839.	2.2	130
34	Organometallic anticancer complexes of lapachol: metal centre-dependent formation of reactive oxygen species and correlation with cytotoxicity. <i>Chemical Communications</i> , 2013, 49, 3348.	2.2	127
35	Target profiling of an antimetastatic RAPTA agent by chemical proteomics: relevance to the mode of action. <i>Chemical Science</i> , 2015, 6, 2449-2456.	3.7	127
36	Platinum metallodrug-protein binding studies by capillary electrophoresis-inductively coupled plasma-mass spectrometry: Characterization of interactions between Pt(II) complexes and human serum albumin. <i>Electrophoresis</i> , 2004, 25, 1988-1995.	1.3	125

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37	Characterization of the binding sites of the anticancer ruthenium(III) complexes KP1019 and KP1339 on human serum albumin via competition studies. <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 9-17.	1.1	125
38	Anticancer activity of the lanthanum compound [tris(1,10-phenanthroline)lanthanum(III)]trithiocyanate (KP772; FFC24). <i>Biochemical Pharmacology</i> , 2006, 71, 426-440.	2.0	124
39	Mechanisms underlying reductant-induced reactive oxygen species formation by anticancer copper(II) compounds. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 409-423.	1.1	120
40	An albumin-based tumor-targeted oxaliplatin prodrug with distinctly improved anticancer activity in vivo. <i>Chemical Science</i> , 2017, 8, 2241-2250.	3.7	114
41	X-ray Structure Analysis of Indazolium <i>trans</i> -[Tetrachlorobis(1 <i>H</i> -indazole)ruthenate(III)] (KP1019) Bound to Human Serum Albumin Reveals Two Ruthenium Binding Sites and Provides Insights into the Drug Binding Mechanism. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5894-5903.	2.9	113
42	The heterocyclic ruthenium(III) complex KP1019 (FFC14A) causes DNA damage and oxidative stress in colorectal tumor cells. <i>Cancer Letters</i> , 2005, 226, 115-121.	3.2	111
43	In Vitro Anticancer Activity and Biologically Relevant Metabolization of Organometallic Ruthenium Complexes with Carbohydrate-Based Ligands. <i>Chemistry - A European Journal</i> , 2008, 14, 9046-9057.	1.7	111
44	Maltol-Derived Ruthenium-Cymene Complexes with Tumor Inhibiting Properties: The Impact of Ligand-Metal Bond Stability on Anticancer Activity In Vitro. <i>Chemistry - A European Journal</i> , 2009, 15, 12283-12291.	1.7	111
45	Novel metal(ii) arene 2-pyridinecarbothioamides: a rationale to orally active organometallic anticancer agents. <i>Chemical Science</i> , 2013, 4, 1837.	3.7	111
46	Hydrolysis study of the bifunctional antitumour compound RAPTA-C, [Ru( $\eta$ -6-p-cymene)Cl <sub>2</sub> (pta)]. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 1743-1748.	1.5	108
47	Tuning of lipophilicity and cytotoxic potency by structural variation of anticancer platinum(IV) complexes. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 46-51.	1.5	107
48	Anticancer metal drugs and immunogenic cell death. <i>Journal of Inorganic Biochemistry</i> , 2016, 165, 71-79.	1.5	107
49	Physicochemical Studies and Anticancer Potency of Ruthenium $\eta$ -6-p-cymene Complexes Containing Antibacterial Quinolones. <i>Organometallics</i> , 2011, 30, 2506-2512.	1.1	105
50	Synthesis, Characterization and Solution Chemistry of <i>trans</i> -Indazoliumtetrachlorobis(Indazole)Ruthenate(III), a New Anticancer Ruthenium Complex. IR, UV, NMR, HPLC Investigations and Antitumor Activity. Crystal Structures of <i>trans</i> -1-Methyl-Indazoliumtetrachlorobis-(1-Methylindazole)Ruthenate(III) and its Hydrolysis Product <i>trans</i> -Monoaquatrachlorobis-(1-Methylindazole)-Ruthenate(III). <i>Metal-Based Drugs</i> , 1996, 3, 243-260.	3.8	104
51	Greener synthesis of new ammonium ionic liquids and their potential as extracting agents. <i>Tetrahedron Letters</i> , 2008, 49, 2782-2785.	0.7	104
52	Studies on the reactivity of organometallic Ru, Rh and Os-pta complexes with DNA model compounds. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 1066-1076.	1.5	101
53	Is the Reactivity of M(II)-Arene Complexes of 3-Hydroxy-2(1 <i>H</i> -pyridones) to Biomolecules the Anticancer Activity Determining Parameter?. <i>Inorganic Chemistry</i> , 2010, 49, 7953-7963.	1.9	101
54	Preclinical characterization of anticancer gallium(III) complexes: Solubility, stability, lipophilicity and binding to serum proteins. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 1819-1826.	1.5	100

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55	Platinum group metallodrug-protein binding studies by capillary electrophoresis – inductively coupled plasma-mass spectrometry: A further insight into the reactivity of a novel antitumor ruthenium(III) complex toward human serum proteins. <i>Electrophoresis</i> , 2006, 27, 1128-1135.	1.3	100
56	Development of an experimental protocol for uptake studies of metal compounds in adherent tumor cells. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 51-61.	1.6	100
57	Investigation of metallodrug-protein interactions by size-exclusion chromatography coupled with inductively coupled plasma mass spectrometry (ICP-MS). <i>Analytica Chimica Acta</i> , 1999, 387, 135-144.	2.6	99
58	Studies on the interactions between human serum albumin and trans-indazolium (bisindazole) tetrachlororuthenate(III). <i>Journal of Inorganic Biochemistry</i> , 2000, 78, 341-346.	1.5	98
59	A SAR Study of Novel Antiproliferative Ruthenium and Osmium Complexes with Quinoxalinone Ligands in Human Cancer Cell Lines. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 3398-3413.	2.9	98
60	Synthesis, structure, spectroscopic and in vitro antitumour studies of a novel gallium(III) complex with 2-acetylpyridine 4N-dimethylthiosemicarbazone. <i>Journal of Inorganic Biochemistry</i> , 2002, 91, 298-305.	1.5	97
61	An Organoruthenium Anticancer Agent Shows Unexpected Target Selectivity For Plectin. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8267-8271.	7.2	97
62	Molecular mode of action of NKP-1339 – a clinically investigated ruthenium-based drug – involves ER- and ROS-related effects in colon carcinoma cell lines. <i>Investigational New Drugs</i> , 2016, 34, 261-268.	1.2	96
63	Synthesis, X-ray Diffraction Structures, Spectroscopic Properties, and in vitro Antitumor Activity of Isomeric (1H-1,2,4-Triazole)Ru(III) Complexes. <i>Inorganic Chemistry</i> , 2003, 42, 6024-6031.	1.9	94
64	Cisplatin Damage: Are DNA Repair Proteins Saviors or Traitors to the Cell?. <i>ChemBioChem</i> , 2005, 6, 1157-1166.	1.3	94
65	Biodistribution of the novel anticancer drug sodium trans-[tetrachloridobis(1H-indazole)ruthenate(III)] KP-1339/IT139 in nude BALB/c mice and implications on its mode of action. <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 250-255.	1.5	94
66	CZE – ICP-MS as a tool for studying the hydrolysis of ruthenium anticancer drug candidates and their reactivity towards the DNA model compound dGMP. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 1060-1065.	1.5	92
67	Influence of the Arene Ligand, the Number and Type of Metal Centers, and the Leaving Group on the <i>In Vitro</i> Antitumor Activity of Polynuclear Organometallic Compounds. <i>Organometallics</i> , 2009, 28, 6260-6265.	1.1	92
68	First-in-class ruthenium anticancer drug (KP1339/IT-139) induces an immunogenic cell death signature in colorectal spheroids <i>in vitro</i> . <i>Metallomics</i> , 2019, 11, 1044-1048.	1.0	92
69	Maleimide-functionalised organoruthenium anticancer agents and their binding to thiol-containing biomolecules. <i>Chemical Communications</i> , 2012, 48, 1475-1477.	2.2	91
70	Mass spectrometric analysis of ubiquitin-platinum interactions of leading anticancer drugs: MALDI versus ESI. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 960-967.	1.6	89
71	Nanoscale silver possesses broad-spectrum antimicrobial activities and exhibits fewer toxicological side effects than silver sulfadiazine. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 478-488.	1.7	89
72	Novel Di- and Tetracarboxylatoplatinum(IV) Complexes. Synthesis, Characterization, Cytotoxic Activity, and DNA Platination. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 6692-6699.	2.9	88

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73	Osmium(ii) versus ruthenium(ii) arene carbohydrate-based anticancer compounds: similarities and differences. <i>Dalton Transactions</i> , 2010, 39, 7345.	1.6	88
74	Hydrolysis of the tumor-inhibiting ruthenium(III) complexes HIm trans-[RuCl <sub>4</sub> (im) <sub>2</sub> ] and HInd trans-[RuCl <sub>4</sub> (ind) <sub>2</sub> ] investigated by means of HPCE and HPLC-MS. <i>Journal of Biological Inorganic Chemistry</i> , 2001, 6, 292-299.	1.1	87
75	NanoSIMS combined with fluorescence microscopy as a tool for subcellular imaging of isotopically labeled platinum-based anticancer drugs. <i>Chemical Science</i> , 2014, 5, 3135-3143.	3.7	87
76	Metal-Based Paullones as Putative CDK Inhibitors for Antitumor Chemotherapy. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 6343-6355.	2.9	86
77	Capillary electrophoresis hyphenated to inductively coupled plasma mass spectrometry: A novel approach for the analysis of anticancer metallodrugs in human serum and plasma. <i>Electrophoresis</i> , 2008, 29, 2224-2232.	1.3	86
78	Ruthenium versus platinum: interactions of anticancer metallodrugs with duplex oligonucleotides characterised by electrospray ionisation mass spectrometry. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 677-688.	1.1	86
79	Relevance of peat-draining rivers for the riverine input of dissolved iron into the ocean. <i>Science of the Total Environment</i> , 2010, 408, 2402-2408.	3.9	86
80	Transport and separation of iron(III) from nickel(II) with the ionic liquid trihexyl(tetradecyl)phosphonium chloride. <i>Separation and Purification Technology</i> , 2010, 72, 56-60.	3.9	86
81	Phosphonium and Ammonium Ionic Liquids with Aromatic Anions: Synthesis, Properties, and Platinum Extraction. <i>Australian Journal of Chemistry</i> , 2010, 63, 511.	0.5	86
82	Pyrone derivatives and metals: From natural products to metal-based drugs. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 999-1010.	0.8	86
83	Comparative binding of antitumor indazolium [trans-tetrachlorobis(1H-indazole)ruthenate(III)] to serum transport proteins assayed by capillary zone electrophoresis. <i>Analytical Biochemistry</i> , 2005, 341, 326-333.	1.1	85
84	From Pyrone to Thiopyrone Ligands Rendering Maltol-Derived Ruthenium(II) Arene Complexes That Are Anticancer Active in Vitro. <i>Organometallics</i> , 2009, 28, 4249-4251.	1.1	85
85	Maleimide-functionalised platinum(IV) complexes as a synthetic platform for targeted drug delivery. <i>Chemical Communications</i> , 2013, 49, 2249.	2.2	84
86	Novel thiosalicylate-based ionic liquids for heavy metal extractions. <i>Journal of Hazardous Materials</i> , 2016, 314, 164-171.	6.5	82
87	Task-specific thioglycolate ionic liquids for heavy metal extraction: Synthesis, extraction efficacies and recycling properties. <i>Journal of Hazardous Materials</i> , 2017, 324, 241-249.	6.5	82
88	Determination of binding constants and stoichiometries for platinum anticancer drugs and serum transport proteins by capillary electrophoresis using the Hummel-Dreyer method. <i>Journal of Separation Science</i> , 2005, 28, 121-127.	1.3	80
89	Influence of Structural Variation on the Anticancer Activity of RAPTA-Type Complexes: ptn versus pta. <i>Organometallics</i> , 2009, 28, 1165-1172.	1.1	79
90	Comparison of the binding behavior of oxaliplatin, cisplatin and analogues to 5'-GMP in the presence of sulfur-containing molecules by means of capillary electrophoresis and electrospray mass spectrometry. <i>Journal of Inorganic Biochemistry</i> , 2001, 86, 691-698.	1.5	77



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91	Tuning of Redox Properties for the Design of Ruthenium Anticancer Drugs: Part 2. Syntheses, Crystal Structures, and Electrochemistry of Potentially Antitumor [Ru(II)/Cl <sub>6-n</sub> (Azole) <sub>n</sub> ] <sub>z</sub> (n= 3, 4, 6) Complexes. <i>Inorganic Chemistry</i> , 2005, 44, 6704-6716.	1.9	77
92	An Entry to Novel Platinum Complexes: Carboxylation of Dihydroxoplatinum(IV) Complexes with Succinic Anhydride and Subsequent Derivatization. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 2612-2617.	1.0	77
93	Fluorescence properties and cellular distribution of the investigational anticancer drug Triapine (3-aminopyridine-2-carboxaldehyde thiosemicarbazone) and its zinc(II) complex. <i>Dalton Transactions</i> , 2010, 39, 704-706.	1.6	77
94	Biophysical analysis of natural, double-helical DNA modified by anticancer heterocyclic complexes of ruthenium(III) in cell-free media. <i>Journal of Biological Inorganic Chemistry</i> , 2001, 6, 435-445.	1.1	76
95	DNA interactions of dinuclear Ru(II) arene antitumor complexes in cell-free media. <i>Biochemical Pharmacology</i> , 2009, 77, 364-374.	2.0	76
96	Novel tetracarboxylatoplatinum(IV) complexes as carboplatin prodrugs. <i>Dalton Transactions</i> , 2012, 41, 14404-14415.	1.6	76
97	Theoretical Investigations and Density Functional Theory Based Quantitative Structure-Activity Relationships Model for Novel Cytotoxic Platinum(IV) Complexes. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 330-344.	2.9	76
98	The ruthenium compound KP1339 potentiates the anticancer activity of sorafenib in vitro and in vivo. <i>European Journal of Cancer</i> , 2013, 49, 3366-3375.	1.3	75
99	Studies on the interactions between human serum albumin and imidazolium [trans-tetrachlorobis(imidazol)ruthenate(III)]. <i>Journal of Inorganic Biochemistry</i> , 1999, 73, 123-128.	1.5	74
100	Comparative Solution Equilibrium Study of the Interactions of Copper(II), Iron(II) and Zinc(II) with Triapine (3-aminopyridine-2-carboxaldehyde Thiosemicarbazone) and Related Ligands. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1717-1728.	1.0	74
101	Ruthenium(II) arene complexes with functionalized pyridines: Synthesis, characterization and cytotoxic activity. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 1051-1058.	2.6	74
102	3-Hydroxyflavones vs. 3-hydroxyquinolinones: structure-activity relationships and stability studies on Ru(II) arene anticancer complexes with biologically active ligands. <i>Dalton Transactions</i> , 2013, 42, 6193-6202.	1.6	74
103	River-derived humic substances as iron chelators in seawater. <i>Marine Chemistry</i> , 2015, 174, 85-93.	0.9	74
104	Antitumor pentamethylcyclopentadienyl rhodium complexes of maltol and allomaltol: Synthesis, solution speciation and bioactivity. <i>Journal of Inorganic Biochemistry</i> , 2014, 134, 57-65.	1.5	73
105	Effect of metal ion complexation and chalcogen donor identity on the antiproliferative activity of 2-acetylpyridine N,N-dimethyl(chalcogen)semicarbazones. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 1946-1957.	1.5	71
106	Water-Soluble Mixed-Ligand Ruthenium(II) and Osmium(II) Arene Complexes with High Antiproliferative Activity. <i>Organometallics</i> , 2008, 27, 6587-6595.	1.1	71
107	Synthesis and characterization of novel bis(carboxylato)dichloridobis(ethylamine)platinum(IV) complexes with higher cytotoxicity than cisplatin. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 5456-5464.	2.6	70
108	Application of ionic liquids for the removal of heavy metals from wastewater and activated sludge. <i>Water Science and Technology</i> , 2012, 65, 1765-1773.	1.2	67

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109	Osmium NAMI-A Analogues: Synthesis, Structural and Spectroscopic Characterization, and Antiproliferative Properties. <i>Inorganic Chemistry</i> , 2007, 46, 5023-5033.	1.9	66
110	Overview on bismuth(III) and bismuth(V) complexes with activity against <i>Helicobacter pylori</i> . <i>Coordination Chemistry Reviews</i> , 1997, 163, 345-364.	9.5	65
111	Interaction of Triapine and related thiosemicarbazones with iron(III)/II and gallium(III): a comparative solution equilibrium study. <i>Dalton Transactions</i> , 2011, 40, 5895.	1.6	65
112	From hydrolytically labile to hydrolytically stable Ru(II)-arene anticancer complexes with carbohydrate-derived co-ligands. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 224-231.	1.5	65
113	Solid-phase synthesis of oxaliplatin-TATpeptide bioconjugates. <i>Dalton Transactions</i> , 2012, 41, 3001-3005.	1.6	65
114	Tuning the anticancer activity of maltol-derived ruthenium complexes by derivatization of the 3-hydroxy-4-pyrone moiety. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 922-929.	0.8	64
115	l-Proline Thiosemicarbazone Conjugates: Coordination Behavior in Solution and the Effect of Copper(II) Coordination on Their Antiproliferative Activity. <i>Inorganic Chemistry</i> , 2012, 51, 9309-9321.	1.9	64
116	High Resolution Mass Spectrometry for Studying the Interactions of Cisplatin with Oligonucleotides. <i>Inorganic Chemistry</i> , 2008, 47, 10626-10633.	1.9	63
117	Determination of cisplatin and its hydrolytic metabolite in human serum by capillary electrophoresis techniques. <i>Journal of Chromatography A</i> , 2006, 1106, 75-79.	1.8	62
118	LC and CZE-ICP-MS approaches for the in vivo analysis of the anticancer drug candidate sodium trans-[tetrachloridobis(1H-indazole)ruthenate(III)] (KP1339) in mouse plasma. <i>Metallomics</i> , 2011, 3, 1049.	1.0	62
119	Synthesis and Biological Evaluation of the Thionated Antibacterial Agent Nalidixic Acid and Its Organoruthenium(II) Complex. <i>Organometallics</i> , 2012, 31, 5867-5874.	1.1	62
120	Half-Sandwich Ruthenium(II) Biotin Conjugates as Biological Vectors to Cancer Cells. <i>Chemistry - A European Journal</i> , 2015, 21, 5110-5117.	1.7	60
121	Comparative studies of oxaliplatin-based platinum(IV) complexes in different in vitro and in vivo tumor models. <i>Metallomics</i> , 2017, 9, 309-322.	1.0	60
122	Effect of cis-, trans-diamminedichloroplatinum(II) and DBP on human serum albumin. <i>Journal of Inorganic Biochemistry</i> , 1999, 77, 141-146.	1.5	59
123	Reactions of Potent Antitumor Complex trans-[Ru(II)Cl <sub>4</sub> (indazole) <sub>2</sub> ]- with a DNA-Relevant Nucleobase and Thioethers: Insight into Biological Action. <i>Inorganic Chemistry</i> , 2005, 44, 122-132.	1.9	59
124	CE in anticancer metallodrug research – an update. <i>Electrophoresis</i> , 2007, 28, 3436-3446.	1.3	59
125	Biological activity of ruthenium and osmium arene complexes with modified paullones in human cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2012, 116, 180-187.	1.5	59
126	Synthesis, Characterization, and in Vitro Antitumor Activity of Osteotropic Diammineplatinum(II) Complexes Bearing aN,N-Bis(phosphonomethyl)glycine Ligand. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 4946-4951.	2.9	58



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127	Identification of the Structural Determinants for Anticancer Activity of a Ruthenium Arene Peptide Conjugate. <i>Chemistry - A European Journal</i> , 2013, 19, 9297-9307.	1.7	58
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