Bernhard Klaus Keppler

List of Publications by Year
in descending order

517 papers	26,500 citations	6486 82 h-index	14779 131 g-index
532 all docs	532 docs citations	532 times ranked	18424 citing authors

#	Article	IF	Citations
1	From bench to bedside â€“ preclinical and early clinical development of the anticancer agent indazolium trans-[tetrachlorobis(1H-indazole)ruthenate(III)] (KP1019 or FFC14A). Journal of Inorganic Biochemistry, 2006, 100, 891-904.	1.5	882
2	Antitumour metal compounds: more than theme and variations. Dalton Transactions, 2007, , 183-194.	1.6	767
3	KP1019, A New Redoxâ€Active Anticancer Agent â€“ Preclinical Development and Results of a Clinical Phase I Study in Tumor Patients. Chemistry and Biodiversity, 2008, 5, 2140-2155.	1.0	732
4	Update of the Preclinical Situation of Anticancer Platinum Complexes: Novel Design Strategies and Innovative Analytical Approaches. Current Medicinal Chemistry, 2005, 12, 2075-2094.	1.2	657
5	Interactions of Antitumor Metallodrugs with Serum Proteins:Â Advances in Characterization Using Modern Analytical Methodology. Chemical Reviews, 2006, 106, 2224-2248.	23.0	570
6	NKP-1339, the first ruthenium-based anticancer drug on the edge to clinical application. Chemical Science, 2014, 5, 2925-2932.	3.7	552
7	Anticancer Activity of Metal Complexes: Involvement of Redox Processes. Antioxidants and Redox Signaling, 2011, 15, 1085-1127.	2.5	420
8	Structureâ€“activity relationships for ruthenium and osmium anticancer agents â€“ towards clinical development. Chemical Society Reviews, 2018, 47, 909-928.	18.7	330
9	Metal Drugs and the Anticancer Immune Response. Chemical Reviews, 2019, 119, 1519-1624.	23.0	237
10	Gallium in cancer treatment. Critical Reviews in Oncology/Hematology, 2002, 42, 283-296.	2.0	216
11	Pharmacokinetics of a novel anticancer ruthenium complex (KP1019, FFC14A) in a phase I dose-escalation study. Anti-Cancer Drugs, 2009, 20, 97-103.	0.7	214
12	Structureâ^'Activity Relationships for NAMI-A-type Complexes (HL)[trans-RuCl4L(S-dmso)ruthenate(III)] (L = Imidazole, Indazole, 1,2,4-Triazole, 4-Amino-1,2,4-triazole, and 1-Methyl-1,2,4-triazole):Â Aquation, Redox Properties, Protein Binding, and Antiproliferative Activity. Journal of Medicinal Chemistry, 2007, 50, 2185-2193.	2.9	206
13	Resistance against novel anticancer metal compounds: Differences and similarities. Drug Resistance Updates, 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. Dalton Transactions, 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. Journal of Analytical Atomic Spectrometry, 2004, 19, 46.	1.6	183
16	Influence of the Spacer Length on the <i>in Vitro</i> Anticancer Activity of Dinuclear Rutheniumâ^'Arene Compounds. Organometallics, 2008, 27, 2405-2407.	1.1	180
17	Electron-transfer activated metal-based anticancer drugs. Inorganica Chimica Acta, 2008, 361, 1569-1583.	1.2	177
18	Transferring the Concept of Multinuclearity to Ruthenium Complexes for Improvement of Anticancer Activity. Journal of Medicinal Chemistry, 2009, 52, 916-925.	2.9	168

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19	Carbohydrate-Metal Complexes and their Potential as Anticancer Agents. Current Medicinal Chemistry, 2008, 15, 2574-2591.	1.2	160
20	Tuning of Redox Potentials for the Design of Ruthenium Anticancer Drugs âˆ’ an Electrochemical Study of [trans-RuCl4L(DMSO)]-and [trans-RuCl4L2]-Complexes, where L = Imidazole, 1,2,4-Triazole, Indazole. Inorganic Chemistry, 2004, 43, 7083-7093.	1.9	159
21	Redox-Active Antineoplastic Ruthenium Complexes with Indazole:Â Correlation of in Vitro Potency and Reduction Potential. Journal of Medicinal Chemistry, 2005, 48, 2831-2837.	2.9	156
22	Ionic Liquids as Extracting Agents for Heavy Metals. Separation Science and Technology, 2012, 47, 189-203.	1.3	155
23	Intracellular protein binding patterns of the anticancer ruthenium drugs KP1019 and KP1339. Journal of Biological Inorganic Chemistry, 2010, 15, 737-748.	1.1	150
24	Gallium(III) and Iron(III) Complexes of Î±-N-Heterocyclic Thiosemicarbazones:â€‰ Synthesis, Characterization, Cytotoxicity, and Interaction with Ribonucleotide Reductase. Journal of Medicinal Chemistry, 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. Journal of Medicinal Chemistry, 2009, 52, 5032-5043.	2.9	143
26	Ionic liquids for extraction of metals and metal containing compounds from communal and industrial waste water. Water Research, 2011, 45, 4601-4614.	5.3	142
27	Gallium in Cancer Treatment. Current Topics in Medicinal Chemistry, 2004, 4, 1575-1583.	1.0	138
28	Anticancer Thiosemicarbazones: Chemical Properties, Interaction with Iron Metabolism, and Resistance Development. Antioxidants and Redox Signaling, 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. Anti-Cancer Agents in Medicinal Chemistry, 2007, 7, 55-73.	0.9	136
30	Highly Antiproliferative Ruthenium(II) and Osmium(II) Arene Complexes with Paullone-Derived Ligands. Organometallics, 2007, 26, 6643-6652.	1.1	134
31	Structureâ€“Activity Relationships of Targeted Ru^{II}(Î·⁶-<i>p</i>-Cymene) Anticancer Complexes with Flavonol-Derived Ligands. Journal of Medicinal Chemistry, 2012, 55, 10512-10522.	2.9	132
32	Tuning the hydrophobicity of ruthenium(ii)â€“arene (RAPTA) drugs to modify uptake, biomolecular interactions and efficacy. Dalton Transactions, 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. Chemical Communications, 2012, 48, 4839.	2.2	130
34	Organometallic anticancer complexes of lapachol: metal centre-dependent formation of reactive oxygen species and correlation with cytotoxicity. Chemical Communications, 2013, 49, 3348.	2.2	127
35	Target profiling of an antimetastatic RAPTA agent by chemical proteomics: relevance to the mode of action. Chemical Science, 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. Electrophoresis, 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. Journal of Biological Inorganic Chemistry, 2013, 18, 9-17.	1.1	125
38	Anticancer activity of the lanthanum compound [tris(1,10-phenanthroline)lanthanum(III)]trithiocyanate (KP772; FFC24). Biochemical Pharmacology, 2006, 71, 426-440.	2.0	124
39	Mechanisms underlying reductant-induced reactive oxygen species formation by anticancer copper(II) compounds. Journal of Biological Inorganic Chemistry, 2012, 17, 409-423.	1.1	120
40	An albumin-based tumor-targeted oxaliplatin prodrug with distinctly improved anticancer activity in vivo. Chemical Science, 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. Journal of Medicinal Chemistry, 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. Cancer Letters, 2005, 226, 115-121.	3.2	111
43	In Vitro Anticancer Activity and Biologically Relevant Metabolization of Organometallic Ruthenium Complexes with Carbohydrateâ€Based Ligands. Chemistry - A European Journal, 2008, 14, 9046-9057.	1.7	111
44	Maltolâ€Derived Rutheniumâ€“Cymene Complexes with Tumor Inhibiting Properties: The Impact of Ligandâ€“Metal Bond Stability on Anticancer Activity In Vitro. Chemistry - A European Journal, 2009, 15, 12283-12291.	1.7	111
45	Novel metal(ii) arene 2-pyridinecarbothioamides: a rationale to orally active organometallic anticancer agents. Chemical Science, 2013, 4, 1837.	3.7	111
46	Hydrolysis study of the bifunctional antitumour compound RAPTA-C, [Ru(Î·6-p-cymene)Cl2(pta)]. Journal of Inorganic Biochemistry, 2008, 102, 1743-1748.	1.5	108
47	Tuning of lipophilicity and cytotoxic potency by structural variation of anticancer platinum(IV) complexes. Journal of Inorganic Biochemistry, 2011, 105, 46-51.	1.5	107
48	Anticancer metal drugs and immunogenic cell death. Journal of Inorganic Biochemistry, 2016, 165, 71-79.	1.5	107
49	Physicochemical Studies and Anticancer Potency of Ruthenium Î·⁶-<i>p</i>-Cymene Complexes Containing Antibacterial Quinolones. Organometallics, 2011, 30, 2506-2512.	1.1	105
50	Synthesis, Characterization and Solution Chemistry of trans-Indazoliumtetrachlorobis(Indazole)Ruthenate(III), a New Anticancer Ruthenium Complex. IR, UV, NMR, HPLC Investigations and Antitumor Activity. Crystal Structures of trans-1-Methyl-Indazoliumtetrachlorobis-(1-Methylindazole)Ruthenate(III) and its Hydrolysis Product trans-Monoaquatrichlorobis-(1-Methylindazole)-Ruthenate(III). Metal-Based Drugs, 1996, 3, 243-260.	3.8	104
51	Greener synthesis of new ammonium ionic liquids and their potential as extracting agents. Tetrahedron Letters, 2008, 49, 2782-2785.	0.7	104
52	Studies on the reactivity of organometallic Ruâ€“, Rhâ€“ and Osâ€“pta complexes with DNA model compounds. Journal of Inorganic Biochemistry, 2008, 102, 1066-1076.	1.5	101
53	Is the Reactivity of M(II)â^'Arene Complexes of 3-Hydroxy-2(1<i>H</i>)-pyridones to Biomolecules the Anticancer Activity Determining Parameter?. Inorganic Chemistry, 2010, 49, 7953-7963.	1.9	101
54	Preclinical characterization of anticancer gallium(III) complexes: Solubility, stability, lipophilicity and binding to serum proteins. Journal of Inorganic Biochemistry, 2006, 100, 1819-1826.	1.5	100

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55	Platinum group metallodrug-protein binding studies by capillary electrophoresis â€“ inductively coupled plasma-mass spectrometry: A further insight into the reactivity of a novel antitumor ruthenium(III) complex toward human serum proteins. Electrophoresis, 2006, 27, 1128-1135.	1.3	100
56	Development of an experimental protocol for uptake studies of metal compounds in adherent tumor cells. Journal of Analytical Atomic Spectrometry, 2009, 24, 51-61.	1.6	100
57	Investigation of metallodrugâ€"protein interactions by size-exclusion chromatography coupled with inductively coupled plasma mass spectrometry (ICP-MS). Analytica Chimica Acta, 1999, 387, 135-144.	2.6	99
58	Studies on the interactions between human serum albumin and trans-indazolium (bisindazole) tetrachlororuthenate(III). Journal of Inorganic Biochemistry, 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. Journal of Medicinal Chemistry, 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. Journal of Inorganic Biochemistry, 2002, 91, 298-305.	1.5	97
61	An Organoruthenium Anticancer Agent Shows Unexpected Target Selectivity For Plectin. Angewandte Chemie - International Edition, 2017, 56, 8267-8271.	7.2	97
62	Molecular mode of action of NKP-1339 â€“ a clinically investigated ruthenium-based drug â€“ involves ER- and ROS-related effects in colon carcinoma cell lines. Investigational New Drugs, 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. Inorganic Chemistry, 2003, 42, 6024-6031.	1.9	94
64	Cisplatin Damage: Are DNA Repair Proteins Saviors or Traitors to the Cell?. ChemBioChem, 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. Journal of Inorganic Biochemistry, 2016, 160, 250-255.	1.5	94
66	CZEâ€"ICP-MS as a tool for studying the hydrolysis of ruthenium anticancer drug candidates and their reactivity towards the DNA model compound dGMP. Journal of Inorganic Biochemistry, 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. Organometallics, 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>. Metallomics, 2019, 11, 1044-1048.	1.0	92
69	Maleimide-functionalised organoruthenium anticancer agents and their binding to thiol-containing biomolecules. Chemical Communications, 2012, 48, 1475-1477.	2.2	91
70	Mass spectrometric analysis of ubiquitinâ€"platinum interactions of leading anticancer drugs: MALDI versus ESI. Journal of Analytical Atomic Spectrometry, 2007, 22, 960-967.	1.6	89
71	Nanoscalic silver possesses broad-spectrum antimicrobial activities and exhibits fewer toxicological side effects than silver sulfadiazine. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 478-488.	1.7	89
72	Novel Di- and Tetracarboxylatoplatinum(IV) Complexes. Synthesis, Characterization, Cytotoxic Activity, and DNA Platination. Journal of Medicinal Chemistry, 2007, 50, 6692-6699.	2.9	88

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73	Osmium(ii)â€"versus ruthenium(ii)â€"arene carbohydrate-based anticancer compounds: similarities and differences. Dalton Transactions, 2010, 39, 7345.	1.6	88
74	Hydrolysis of the tumor-inhibiting ruthenium(III) complexes HIm trans-[RuCl4(im)2] and HInd trans-[RuCl4(ind)2] investigated by means of HPCE and HPLC-MS. Journal of Biological Inorganic Chemistry, 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. Chemical Science, 2014, 5, 3135-3143.	3.7	87
76	Metal-Based Paullones as Putative CDK Inhibitors for Antitumor Chemotherapy. Journal of Medicinal Chemistry, 2007, 50, 6343-6355.	2.9	86
77	Capillary electrophoresis hyphenated to inductively coupled plasmaâ€mass spectrometry: A novel approach for the analysis of anticancer metallodrugs in human serum and plasma. Electrophoresis, 2008, 29, 2224-2232.	1.3	86
78	Ruthenium versus platinum: interactions of anticancer metallodrugs with duplex oligonucleotides characterised by electrospray ionisation mass spectrometry. Journal of Biological Inorganic Chemistry, 2010, 15, 677-688.	1.1	86
79	Relevance of peat-draining rivers for the riverine input of dissolved iron into the ocean. Science of the Total Environment, 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. Separation and Purification Technology, 2010, 72, 56-60.	3.9	86
81	Phosphonium and Ammonium Ionic Liquids with Aromatic Anions: Synthesis, Properties, and Platinum Extraction. Australian Journal of Chemistry, 2010, 63, 511.	0.5	86
82	Pyrone derivatives and metals: From natural products to metal-based drugs. Journal of Organometallic Chemistry, 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. Analytical Biochemistry, 2005, 341, 326-333.	1.1	85
84	From Pyrone to Thiopyrone Ligandsâˆ'Rendering Maltol-Derived Ruthenium(II)âˆ'Arene Complexes That Are Anticancer Active in Vitro. Organometallics, 2009, 28, 4249-4251.	1.1	85
85	Maleimide-functionalised platinum(iv) complexes as a synthetic platform for targeted drug delivery. Chemical Communications, 2013, 49, 2249.	2.2	84
86	Novel thiosalicylate-based ionic liquids for heavy metal extractions. Journal of Hazardous Materials, 2016, 314, 164-171.	6.5	82
87	Task-specific thioglycolate ionic liquids for heavy metal extraction: Synthesis, extraction efficacies and recycling properties. Journal of Hazardous Materials, 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. Journal of Separation Science, 2005, 28, 121-127.	1.3	80
89	Influence of Structural Variation on the Anticancer Activity of RAPTA-Type Complexes: ptn versus pta. Organometallics, 2009, 28, 1165-1172.	1.1	79
90	Comparison of the binding behavior of oxaliplatin, cisplatin and analogues to 5â€²-GMP in the presence of sulfur-containing molecules by means of capillary electrophoresis and electrospray mass spectrometry. Journal of Inorganic Biochemistry, 2001, 86, 691-698.	1.5	77

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91	Tuning of Redox Properties for the Design of Ruthenium Anticancer Drugs:Â Part 2. Syntheses, Crystal Structures, and Electrochemistry of Potentially Antitumor [RuIII/IICl6-n(Azole)n]z(n= 3, 4, 6) Complexesâ€. Inorganic Chemistry, 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. European Journal of Inorganic Chemistry, 2006, 2006, 2612-2617.	1.0	77
93	Fluorescence properties and cellular distribution of the investigational anticancer drugTriapine (3-aminopyridine-2-carboxaldehyde thiosemicarbazone) and its zinc(ii) complex. Dalton Transactions, 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. Journal of Biological Inorganic Chemistry, 2001, 6, 435-445.	1.1	76
95	DNA interactions of dinuclear RuII arene antitumor complexes in cell-free media. Biochemical Pharmacology, 2009, 77, 364-374.	2.0	76
96	Novel tetracarboxylatoplatinum(<scp>iv</scp>) complexes as carboplatin prodrugs. Dalton Transactions, 2012, 41, 14404-14415.	1.6	76
97	Theoretical Investigations and Density Functional Theory Based Quantitative Structureâ€"Activity Relationships Model for Novel Cytotoxic Platinum(IV) Complexes. Journal of Medicinal Chemistry, 2013, 56, 330-344.	2.9	76
98	The ruthenium compound KP1339 potentiates the anticancer activity of sorafenib in vitro and in vivo. European Journal of Cancer, 2013, 49, 3366-3375.	1.3	75
99	Studies on the interactions between human serum albumin and imidazolium [trans-tetrachlorobis(imidazol)ruthenate(III)]. Journal of Inorganic Biochemistry, 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 (3â€Aminopyridineâ€2â€carbaldehyde Thiosemicarbazone) and Related Ligands. European Journal of Inorganic Chemistry, 2010, 2010, 1717-1728.	1.0	74
101	Ruthenium(II)â€"arene complexes with functionalized pyridines: Synthesis, characterization and cytotoxic activity. European Journal of Medicinal Chemistry, 2010, 45, 1051-1058.	2.6	74
102	3-Hydroxyflavones vs. 3-hydroxyquinolinones: structureâ€"activity relationships and stability studies on Ru^{II}(arene) anticancer complexes with biologically active ligands. Dalton Transactions, 2013, 42, 6193-6202.	1.6	74
103	River-derived humic substances as iron chelators in seawater. Marine Chemistry, 2015, 174, 85-93.	0.9	74
104	Antitumor pentamethylcyclopentadienyl rhodium complexes of maltol and allomaltol: Synthesis, solution speciation and bioactivity. Journal of Inorganic Biochemistry, 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. Journal of Inorganic Biochemistry, 2007, 101, 1946-1957.	1.5	71
106	Water-Soluble Mixed-Ligand Ruthenium(II) and Osmium(II) Arene Complexes with High Antiproliferative Activity. Organometallics, 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. European Journal of Medicinal Chemistry, 2011, 46, 5456-5464.	2.6	70
108	Application of ionic liquids for the removal of heavy metals from wastewater and activated sludge. Water Science and Technology, 2012, 65, 1765-1773.	1.2	67

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109	Osmium NAMI-A Analogues:Â Synthesis, Structural and Spectroscopic Characterization, and Antiproliferative Properties. Inorganic Chemistry, 2007, 46, 5023-5033.	1.9	66
110	Overview on bismuth(III) and bismuth(V) complexes with activity against Helicobacter pylori. Coordination Chemistry Reviews, 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. Dalton Transactions, 2011, 40, 5895.	1.6	65
112	From hydrolytically labile to hydrolytically stable RuIIâ€"arene anticancer complexes with carbohydrate-derived co-ligands. Journal of Inorganic Biochemistry, 2011, 105, 224-231.	1.5	65
113	Solid-phase synthesis of oxaliplatinâ€"TATpeptide bioconjugates. Dalton Transactions, 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. Journal of Organometallic Chemistry, 2009, 694, 922-929.	0.8	64
115	<scp>l</scp>- and <scp>d</scp>-Proline Thiosemicarbazone Conjugates: Coordination Behavior in Solution and the Effect of Copper(II) Coordination on Their Antiproliferative Activity. Inorganic Chemistry, 2012, 51, 9309-9321.	1.9	64
116	High Resolution Mass Spectrometry for Studying the Interactions of Cisplatin with Oligonucleotides. Inorganic Chemistry, 2008, 47, 10626-10633.	1.9	63
117	Determination of cisplatin and its hydrolytic metabolite in human serum by capillary electrophoresis techniques. Journal of Chromatography A, 2006, 1106, 75-79.	1.8	62
118	LCâ€" and CZEâ€"ICP-MS approaches for the in vivo analysis of the anticancer drug candidate sodium trans-[tetrachloridobis(1H-indazole)ruthenate(iii)] (KP1339) in mouse plasma. Metallomics, 2011, 3, 1049.	1.0	62
119	Synthesis and Biological Evaluation of the Thionated Antibacterial Agent Nalidixic Acid and Its Organoruthenium(II) Complex. Organometallics, 2012, 31, 5867-5874.	1.1	62
120	Halfâ€Sandwich Ruthenium(II) Biotin Conjugates as Biological Vectors to Cancer Cells. Chemistry - A European Journal, 2015, 21, 5110-5117.	1.7	60
121	Comparative studies of oxaliplatin-based platinum(<scp>iv</scp>) complexes in different in vitro and in vivo tumor models. Metallomics, 2017, 9, 309-322.	1.0	60
122	Effect of cis-, trans-diamminedichloroplatinum(II) and DBP on human serum albumin. Journal of Inorganic Biochemistry, 1999, 77, 141-146.	1.5	59
123	Reactions of Potent Antitumor Complex trans-[RuIIICl4(indazole)2]- with a DNA-Relevant Nucleobase and Thioethers:â€‰ Insight into Biological Action. Inorganic Chemistry, 2005, 44, 122-132.	1.9	59
124	CE in anticancer metallodrug research â€" an update. Electrophoresis, 2007, 28, 3436-3446.	1.3	59
125	Biological activity of ruthenium and osmium arene complexes with modified paullones in human cancer cells. Journal of Inorganic Biochemistry, 2012, 116, 180-187.	1.5	59
126	Synthesis, Characterization, and in Vitro Antitumor Activity of Osteotropic Diam(m)ineplatinum(II) Complexes Bearing aN,N-Bis(phosphonomethyl)glycine Ligandâ€. Journal of Medicinal Chemistry, 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. Chemistry - A European Journal, 2013, 19, 9297-9307.	1.7	58
128	Quantitative bioimaging by LA-ICP-MS: a methodological study on the distribution of Pt and Ru in viscera originating from cisplatin- and KP1339-treated mice. Metallomics, 2014, 6, 1616-1625.	1.0	58
129	Chemical imaging and assessment of cadmium distribution in the human body. Metallomics, 2019, 11, 2010-2019.	1.0	58
130	An Electrochemical Study of Antineoplastic Gallium, Iron and Ruthenium Complexes with Redox Noninnocent Î±-N-Heterocyclic Chalcogensemicarbazones. Inorganic Chemistry, 2008, 47, 11032-11047.	1.9	57
131	Metalâ€“Arene Complexes with Indolo[3,2-c]-quinolines: Effects of Ruthenium vs Osmium and Modifications of the Lactam Unit on Intermolecular Interactions, Anticancer Activity, Cell Cycle, and Cellular Accumulation. Organometallics, 2013, 32, 903-914.	1.1	57
132	Synthesis and biological studies of some gold(I) complexes containing functionalised alkynes. Dalton Transactions, 2009, , 10841.	1.6	56
133	The gallium complex KP46 exerts strong activity against primary explanted melanoma cells and induces apoptosis in melanoma cell lines. Melanoma Research, 2009, 19, 283-293.	0.6	56
134	Conjugation of Organoruthenium(II) 3-(1H-Benzimidazol-2-yl)pyrazolo[3,4-b]pyridines and Indolo[3,2-d]benzazepines to Recombinant Human Serum Albumin: a Strategy To Enhance Cytotoxicity in Cancer Cells. Inorganic Chemistry, 2011, 50, 12669-12679.	1.9	56
135	Capillary electrophoresis in anti-cancer metallodrug research: Advances and future challenges. Electrophoresis, 2003, 24, 2023-2037.	1.3	55
136	Structureâ˘’Activity Relationships of Highly Cytotoxic Copper(II) Complexes with Modified Indolo[3,2-<i>c</i>]quinoline Ligands. Inorganic Chemistry, 2010, 49, 11084-11095.	1.9	55
137	Rutheniumâ˘’ and Osmiumâ˘’Arene Complexes of 2-Substituted Indolo[3,2-<i>c</i>]quinolines: Synthesis, Structure, Spectroscopic Properties, and Antiproliferative Activity. Organometallics, 2011, 30, 273-283.	1.1	55
138	Speciation of metal-based nanomaterials in human serum characterized by capillary electrophoresis coupled to ICP-MS: a case study of gold nanoparticles. Metallomics, 2015, 7, 1364-1370.	1.0	55
139	Antineoplastic activity of three ruthenium derivatives against chemically induced colorectal carcinoma in rats. Journal of Cancer Research and Clinical Oncology, 1992, 118, 195-200.	1.2	54
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