

# Wolfgang Kandioller

## List of Publications by Citations

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75  
papers

2,269  
citations

25  
h-index

45  
g-index

80  
ext. papers

2,483  
ext. citations

4.4  
avg, IF

4.6  
L-index

#	Paper	IF	Citations
75	Targeting the DNA-topoisomerase complex in a double-strike approach with a topoisomerase inhibiting moiety and covalent DNA binder. <i>Chemical Communications</i> , <b>2012</b> , 48, 4839-41	5.8	125
74	Structure-activity relationships of targeted Ru(II)( $\beta$ -p-cymene) anticancer complexes with flavonol-derived ligands. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 10512-22	8.3	119
73	Organometallic anticancer complexes of lapachol: metal centre-dependent formation of reactive oxygen species and correlation with cytotoxicity. <i>Chemical Communications</i> , <b>2013</b> , 49, 3348-50	5.8	116
72	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> , <b>2009</b> , 15, 12283-91	4.8	102
71	Physicochemical Studies and Anticancer Potency of Ruthenium $\beta$ -Cymene Complexes Containing Antibacterial Quinolones. <i>Organometallics</i> , <b>2011</b> , 30, 2506-2512	3.8	101
70	Is the reactivity of M(II)-arene complexes of 3-hydroxy-2(1H)-pyridones to biomolecules the anticancer activity determining parameter?. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 7953-63	5.1	98
69	Osmium(II)-versus ruthenium(II)-arene carbohydrate-based anticancer compounds: similarities and differences. <i>Dalton Transactions</i> , <b>2010</b> , 39, 7345-52	4.3	81
68	From Pyrone to Thiopyrone Ligands Rendering Maltol-Derived Ruthenium(II)-Arene Complexes That Are Anticancer Active in Vitro. <i>Organometallics</i> , <b>2009</b> , 28, 4249-4251	3.8	78
67	Pyrone derivatives and metals: From natural products to metal-based drugs. <i>Journal of Organometallic Chemistry</i> , <b>2011</b> , 696, 999-1010	2.3	77
66	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> , <b>2013</b> , 42, 6193-202	4.3	71
65	Antitumor pentamethylcyclopentadienyl rhodium complexes of maltol and allomaltol: synthesis, solution speciation and bioactivity. <i>Journal of Inorganic Biochemistry</i> , <b>2014</b> , 134, 57-65	4.2	64
64	Novel thiosalicylate-based ionic liquids for heavy metal extractions. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 314, 164-171	12.8	64
63	Task-specific thioglycolate ionic liquids for heavy metal extraction: Synthesis, extraction efficacies and recycling properties. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 324, 241-249	12.8	63
62	From hydrolytically labile to hydrolytically stable Ru(II)-arene anticancer complexes with carbohydrate-derived co-ligands. <i>Journal of Inorganic Biochemistry</i> , <b>2011</b> , 105, 224-31	4.2	63
61	Tuning the anticancer activity of maltol-derived ruthenium complexes by derivatization of the 3-hydroxy-4-pyrone moiety. <i>Journal of Organometallic Chemistry</i> , <b>2009</b> , 694, 922-929	2.3	58
60	Synthesis and Biological Evaluation of the Thionated Antibacterial Agent Nalidixic Acid and Its Organoruthenium(II) Complex. <i>Organometallics</i> , <b>2012</b> , 31, 5867-5874	3.8	53
59	Improved reaction conditions for the synthesis of new NKP-1339 derivatives and preliminary investigations on their anticancer potential. <i>Dalton Transactions</i> , <b>2015</b> , 44, 659-68	4.3	50

58	Biomolecule binding vs. anticancer activity: reactions of Ru(arene)[(thio)pyr-(id)one] compounds with amino acids and proteins. <i>Journal of Inorganic Biochemistry</i> , <b>2012</b> , 108, 91-5	4.2	49
57	Identification of the structural determinants for anticancer activity of a ruthenium arene peptide conjugate. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 9297-307	4.8	48
56	Modifying the structure of dinuclear ruthenium complexes with antitumor activity. <i>Applied Organometallic Chemistry</i> , <b>2008</b> , 22, 326-332	3.1	45
55	Introducing the 4-Phenyl-1,2,3-Triazole Moiety as a Versatile Scaffold for the Development of Cytotoxic Ruthenium(II) and Osmium(II) Arene Cyclometalates. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 528-541	5.1	42
54	Towards targeting anticancer drugs: ruthenium(ii)-arene complexes with biologically active naphthoquinone-derived ligand systems. <i>Dalton Transactions</i> , <b>2016</b> , 45, 13091-103	4.3	38
53	Influence of the Arene Ligand and the Leaving Group on the Anticancer Activity of (Thio)maltol Ruthenium(II)( $\beta$ -Arene) Complexes. <i>Australian Journal of Chemistry</i> , <b>2010</b> , 63, 1521	1.2	30
52	Thiomaltol-Based Organometallic Complexes with 1-Methylimidazole as Leaving Group: Synthesis, Stability, and Biological Behavior. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 17269-17281	4.8	25
51	Synthesis and in vivo anticancer evaluation of poly(organo)phosphazene-based metallodrug conjugates. <i>Dalton Transactions</i> , <b>2017</b> , 46, 12114-12124	4.3	25
50	Mannich products of kojic acid and N-heterocycles and their Ru(II) $\beta$ arene complexes: Synthesis, characterization and stability. <i>Journal of Organometallic Chemistry</i> , <b>2010</b> , 695, 875-881	2.3	24
49	Novel 3-Hydroxy-2-Naphthoate-Based Task-Specific Ionic Liquids for an Efficient Extraction of Heavy Metals. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 172	5	23
48	Thioglycolate-based task-specific ionic liquids: Metal extraction abilities vs acute algal toxicity. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 340, 113-119	12.8	23
47	Synthetic iron complexes as models for natural iron-humic compounds: Synthesis, characterization and algal growth experiments. <i>Science of the Total Environment</i> , <b>2017</b> , 577, 94-104	10.2	22
46	1,3-Dioxindan-2-carboxamides as Bioactive Ligand Scaffolds for the Development of Novel Organometallic Anticancer Drugs. <i>Organometallics</i> , <b>2015</b> , 34, 848-857	3.8	22
45	Photoreduction of Terrigenous Fe-Humic Substances Leads to Bioavailable Iron in Oceans. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 6417-22	16.4	22
44	DNA or protein? Capillary zone electrophoresis-mass spectrometry rapidly elucidates metallodrug binding selectivity. <i>Chemical Communications</i> , <b>2017</b> , 53, 8002-8005	5.8	21
43	The hydration of chloroacetonitriles catalyzed by mono- and dinuclear Ru(II)- and Os(II)-arene complexes. <i>Chemistry and Biodiversity</i> , <b>2008</b> , 5, 2060-6	2.5	21
42	Solution equilibria and antitumor activities of pentamethylcyclopentadienyl rhodium complexes of picolinic acid and deferiprone. <i>Journal of Coordination Chemistry</i> , <b>2015</b> , 68, 1583-1601	1.6	20
41	Flavonoid-Based Organometallics with Different Metal Centers Investigations of the Effects on Reactivity and Cytotoxicity. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 240-246	2.3	19

40	Solution equilibria of anticancer ruthenium(II)-( $\eta^5$ -p-cymene)-hydroxy(thio)pyr(id)one complexes: impact of sulfur vs. oxygen donor systems on the speciation and bioactivity. <i>Journal of Inorganic Biochemistry</i> , <b>2013</b> , 127, 161-8	4.2	19
39	Comparative solution equilibrium studies on pentamethylcyclopentadienyl rhodium complexes of 2,2'Biipyridine and ethylenediamine and their interaction with human serum albumin. <i>Journal of Inorganic Biochemistry</i> , <b>2015</b> , 152, 93-103	4.2	17
38	N- and S-donor leaving groups in triazole-based ruthena(ii)cycles: potent anticancer activity, selective activation, and mode of action studies. <i>Dalton Transactions</i> , <b>2018</b> , 47, 4625-4638	4.3	16
37	Organometallic ruthenium and osmium compounds of pyridin-2- and -4-ones as potential anticancer agents. <i>Chemistry and Biodiversity</i> , <b>2012</b> , 9, 1718-27	2.5	16
36	Cytotoxicity and preliminary mode of action studies of novel 2-aryl-4-thiopyrone-based organometallics. <i>Dalton Transactions</i> , <b>2016</b> , 45, 724-33	4.3	15
35	Rhodium(Cp*) Compounds with Flavone-derived Ligand Systems: Synthesis and Characterization. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2013</b> , 639, 1648-1654	1.3	15
34	Facile Synthesis and Ring-Opening Cross Metathesis of Carbo- and Heterocyclic Bicyclo[3.2.1]oct-6-en-3-ones Using Gaseous Olefinic Reaction Partners. <i>Advanced Synthesis and Catalysis</i> , <b>2006</b> , 348, 463-470	5.6	15
33	Ruthenium-arene complexes bearing naphthyl-substituted 1,3-dioxindan-2-carboxamides ligands for G-quadruplex DNA recognition. <i>Dalton Transactions</i> , <b>2019</b> , 48, 12040-12049	4.3	14
32	Synthesis and Enantioselective Baeyer-Villiger Oxidation of Prochiral Perhydro-pyranones with Recombinant E. coli Producing Cyclohexanone Monooxygenase. <i>Synlett</i> , <b>2003</b> , 2003, 1973-1976	2.2	14
31	Benzoic hydroxamate-based iron complexes as model compounds for humic substances: synthesis, characterization and algal growth experiments. <i>RSC Advances</i> , <b>2016</b> , 6, 40238-40249	3.7	14
30	Solvent Bar Micro-Extraction of Heavy Metals from Natural Water Samples Using 3-Hydroxy-2-Naphthoate-Based Ionic Liquids. <i>Molecules</i> , <b>2018</b> , 23,	4.8	14
29	Organometallic complexes of (thio)allomaltol-based Mannich-products: Synthesis, stability and preliminary biological investigations. <i>Journal of Organometallic Chemistry</i> , <b>2015</b> , 782, 69-76	2.3	13
28	Microwave-assisted synthesis of N-heterocycle-based organometallics. <i>Journal of Organometallic Chemistry</i> , <b>2014</b> , 772-773, 93-99	2.3	13
27	Recombinant whole-cell mediated baeyer-villiger oxidation of perhydropyran-type ketones. <i>Chemistry and Biodiversity</i> , <b>2008</b> , 5, 490-8	2.5	13
26	Functionalization of Ruthenium(II)( $\eta^5$ -p-cymene)(3-hydroxy-2-pyridone) Complexes with (Thio)Morpholine: Synthesis and Bioanalytical Studies. <i>ChemPlusChem</i> , <b>2017</b> , 82, 841-847	2.8	12
25	Solvent bar micro-extraction for greener application of task specific ionic liquids in multi-elemental extraction. <i>Journal of Cleaner Production</i> , <b>2018</b> , 201, 22-27	10.3	12
24	Expanding on the Structural Diversity of Flavone- Derived RutheniumII( $\eta^6$ -arene) Anticancer Agents <b>2015</b> , 1,		12
23	Structural and solution equilibrium studies on half-sandwich organorhodium complexes of (N,N) donor bidentate ligands. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 11174-11184	3.6	11

22	Extraction of natural radionuclides from aqueous solutions by novel maltolate-based task-specific ionic liquids. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2015</b> , 303, 2483-2488	1.5	11
21	Comparative equilibrium and structural studies of new pentamethylcyclopentadienyl rhodium complexes bearing (O,N) donor bidentate ligands. <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 846, 287-293	2.3	9
20	Fast and Highly Efficient Affinity Enrichment of Azide-A-DSBSO Cross-Linked Peptides. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 2071-2079	5.6	9
19	The rearrangement of tosylated flavones to 1?-(alkylamino)aurones with primary amines. <i>Tetrahedron</i> , <b>2015</b> , 71, 8953-8959	2.4	8
18	Biological evaluation of novel thiomaltol-based organometallic complexes as topoisomerase III $\beta$ inhibitors. <i>Journal of Biological Inorganic Chemistry</i> , <b>2020</b> , 25, 451-465	3.7	8
17	Synthesis, Modification, and Biological Evaluation of a Library of Novel Water-Soluble Thiopyridone-Based Organometallic Complexes and Their Unexpected (Biological) Behavior. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 5419-5433	4.8	8
16	Introducing -, -, and -donor leaving groups: an investigation of the chemical and biological properties of ruthenium, rhodium and iridium thiopyridone piano stool complexes. <i>Dalton Transactions</i> , <b>2020</b> , 49, 15693-15711	4.3	7
15	Aqueous chemistry and antiproliferative activity of a pyrone-based phosphoramidate Ru(arene) anticancer agent. <i>Dalton Transactions</i> , <b>2014</b> , 43, 9851-5	4.3	7
14	1,4-Disubstituted 1,2,3-Triazoles as Amide Bond Surrogates for the Stabilisation of Linear Peptides with Biological Activity. <i>Molecules</i> , <b>2020</b> , 25,	4.8	6
13	Novel phthiocol-based organometallics with tridentate coordination motif and their unexpected cytotoxic behaviour. <i>Dalton Transactions</i> , <b>2020</b> , 49, 1393-1397	4.3	5
12	Fine-Tuning the Activation Mode of an 1,3-Indandione-Based Ruthenium(II)-Cymene Half-Sandwich Complex by Variation of Its Leaving Group. <i>Molecules</i> , <b>2019</b> , 24,	4.8	5
11	First insights into the novel class of organometallic compounds bearing a bidentate selenopyridone coordination motif: Synthesis, characterization, stability and biological investigations. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 513, 119919	2.7	5
10	Heavy Metal Extraction under Environmentally Relevant Conditions Using 3-Hydroxy-2-Naphthoate- Based Ionic Liquids: Extraction Capabilities vs. Acute Algal Toxicity. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 3157	2.6	3
9	Investigations on the Anticancer Potential of Benzothiazole-Based Metallacycles. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 209	5	3
8	ED-4 type dilignol compounds and their iron complexes for modeling of iron binding to humic acids: synthesis, characterization, electrochemical studies and algal growth experiments. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 11546-11555	3.6	3
7	Naphthoquinones of natural origin: Aqueous chemistry and coordination to half-sandwich organometallic cations. <i>Journal of Organometallic Chemistry</i> , <b>2020</b> , 907, 121070	2.3	3
6	The First Anticancer Tris(pyrazolyl)borate Molybdenum(IV) Complexes: Tested in Vitro and in Vivo-A Comparison of O,O-, S,O-, and N,N-Chelate Effects. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 2211-2221	4.8	3
5	Trends and Perspectives of Ruthenium Anticancer Compounds (Non-PDT) <b>2017</b> , 271-291		2

4	Tridentate 3-Substituted Naphthoquinone Ruthenium Arene Complexes: Synthesis, Characterization, Aqueous Behavior, and Theoretical and Biological Studies. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 9805-9819	5.1	2
3	The Impact of Leaving Group Variation on the Anticancer Activity of Molybdenocenes. <i>Organometallics</i> , <b>2018</b> , 37, 3909-3916	3.8	2
2	Systematic Study on the Cytotoxic Potency of Commonly Used Dimeric Metal Precursors in Human Cancer Cell Lines.. <i>ChemistryOpen</i> , <b>2022</b> , e202200019	2.3	2
1	Water-soluble trithiolato-bridged dinuclear ruthenium(II) and osmium(II) arene complexes with bisphosphonate functionalized ligands as anticancer organometallics. <i>Journal of Inorganic Biochemistry</i> , <b>2021</b> , 225, 111618	4.2	