

Wolfgang Kandioller

List of Publications by Year in descending order

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76
papers

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citations

201385

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197535

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80
docs citations

80
times ranked

2539
citing authors

#	ARTICLE	IF	CITATIONS
1	Elemental analysis: an important purity control but prone to manipulations. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 412-416.	3.0	13
2	Systematic Study on the Cytotoxic Potency of Commonly Used Dimeric Metal Precursors in Human Cancer Cell Lines. <i>ChemistryOpen</i> , 2022, 11, e202200019.	0.9	6
3	Tridentate 3-Substituted Naphthoquinone Ruthenium Arene Complexes: Synthesis, Characterization, Aqueous Behavior, and Theoretical and Biological Studies. <i>Inorganic Chemistry</i> , 2021, 60, 9805-9819.	1.9	9
4	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> , 2021, 225, 111618.	1.5	1
5	The First Anticancer Tris(pyrazolyl)borate Molybdenum(IV) Complexes: Tested in Vitro and in Vivo – A Comparison of O,O- and S,O- and N,N-Chelate Effects. <i>Chemistry - A European Journal</i> , 2020, 26, 2211-2221.	1.7	8
6	Naphthoquinones of natural origin: Aqueous chemistry and coordination to half-sandwich organometallic cations. <i>Journal of Organometallic Chemistry</i> , 2020, 907, 121070.	0.8	6
7	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> , 2020, 513, 119919.	1.2	6
8	1,4-Disubstituted 1,2,3-Triazoles as Amide Bond Surrogates for the Stabilisation of Linear Peptides with Biological Activity. <i>Molecules</i> , 2020, 25, 3576.	1.7	28
9	Introducing N-, P-, and S-donor leaving groups: an investigation of the chemical and biological properties of ruthenium, rhodium and iridium thiopyridone piano stool complexes. <i>Dalton Transactions</i> , 2020, 49, 15693-15711.	1.6	10
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> , 2020, 10, 3157.	1.3	8
11	Biological evaluation of novel thiomaltol-based organometallic complexes as topoisomerase II \pm inhibitors. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 451-465.	1.1	16
12	Novel phthiocol-based organometallics with tridentate coordination motif and their unexpected cytotoxic behaviour. <i>Dalton Transactions</i> , 2020, 49, 1393-1397.	1.6	8
13	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> , 2020, 26, 5419-5433.	1.7	10
14	Investigations on the Anticancer Potential of Benzothiazole-Based Metallacycles. <i>Frontiers in Chemistry</i> , 2020, 8, 209.	1.8	10
15	Fast and Highly Efficient Affinity Enrichment of Azide-A-DSBSO Cross-Linked Peptides. <i>Journal of Proteome Research</i> , 2020, 19, 2071-2079.	1.8	23
16	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> , 2019, 24, 2373.	1.7	7
17	Ruthenium-arene complexes bearing naphthyl-substituted 1,3-dioxindan-2-carboxamides ligands for G-quadruplex DNA recognition. <i>Dalton Transactions</i> , 2019, 48, 12040-12049.	1.6	20
18	N- and S-donor leaving groups in triazole-based ruthenacycles: potent anticancer activity, selective activation, and mode of action studies. <i>Dalton Transactions</i> , 2018, 47, 4625-4638.	1.6	18

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19	Solvent Bar Micro-Extraction of Heavy Metals from Natural Water Samples Using 3-Hydroxy-2-Naphthoate-Based Ionic Liquids. <i>Molecules</i> , 2018, 23, 3011.	1.7	15
20	The Impact of Leaving Group Variation on the Anticancer Activity of Molybdenocenes. <i>Organometallics</i> , 2018, 37, 3909-3916.	1.1	8
21	Solvent bar micro-extraction for greener application of task specific ionic liquids in multi-elemental extraction. <i>Journal of Cleaner Production</i> , 2018, 201, 22-27.	4.6	14
22	Novel 3-Hydroxy-2-Naphthoate-Based Task-Specific Ionic Liquids for an Efficient Extraction of Heavy Metals. <i>Frontiers in Chemistry</i> , 2018, 6, 172.	1.8	35
23	Structural and solution equilibrium studies on half-sandwich organorhodium complexes of (N,N) donor bidentate ligands. <i>New Journal of Chemistry</i> , 2018, 42, 11174-11184.	1.4	18
24	Functionalization of Ruthenium(II) (η^6 -p-cymene)(3-hydroxy-2-pyridone) Complexes with (Thio)Morpholine: Synthesis and Bioanalytical Studies. <i>ChemPlusChem</i> , 2017, 82, 841-847.	1.3	13
25	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> , 2017, 56, 528-541.	1.9	52
26	β -O-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> , 2017, 41, 11546-11555.	1.4	5
27	Synthesis and in vivo anticancer evaluation of poly(organo)phosphazene-based metallodrug conjugates. <i>Dalton Transactions</i> , 2017, 46, 12114-12124.	1.6	32
28	Comparative equilibrium and structural studies of new pentamethylcyclopentadienyl rhodium complexes bearing (O,N) donor bidentate ligands. <i>Journal of Organometallic Chemistry</i> , 2017, 846, 287-295.	0.8	10
29	DNA or protein? Capillary zone electrophoresis-mass spectrometry rapidly elucidates metallodrug binding selectivity. <i>Chemical Communications</i> , 2017, 53, 8002-8005.	2.2	26
30	Thioglycolate-based task-specific ionic liquids: Metal extraction abilities vs acute algal toxicity. <i>Journal of Hazardous Materials</i> , 2017, 340, 113-119.	6.5	29
31	Synthetic iron complexes as models for natural iron-humic compounds: Synthesis, characterization and algal growth experiments. <i>Science of the Total Environment</i> , 2017, 577, 94-104.	3.9	32
32	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
33	Photoreduction of Terrigenous Fe-Humic Substances Leads to Bioavailable Iron in Oceans. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6417-6422.	7.2	24
34	Towards targeting anticancer drugs: ruthenium(II)-arene complexes with biologically active naphthoquinone-derived ligand systems. <i>Dalton Transactions</i> , 2016, 45, 13091-13103.	1.6	45
35	Benzoic hydroxamate-based iron complexes as model compounds for humic substances: synthesis, characterization and algal growth experiments. <i>RSC Advances</i> , 2016, 6, 40238-40249.	1.7	21
36	Novel thiosalicylate-based ionic liquids for heavy metal extractions. <i>Journal of Hazardous Materials</i> , 2016, 314, 164-171.	6.5	82

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37	Thiomaltolâ€Based Organometallic Complexes with 1â€Methylimidazole as Leaving Group: Synthesis, Stability, and Biological Behavior. <i>Chemistry - A European Journal</i> , 2016, 22, 17269-17281.	1.7	32
38	Flavonoidâ€Based Organometallics with Different Metal Centers â€ Investigations of the Effects on Reactivity and Cytotoxicity. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 240-246.	1.0	21
39	Cytotoxicity and preliminary mode of action studies of novel 2-aryl-4-thiopyrone-based organometallics. <i>Dalton Transactions</i> , 2016, 45, 724-733.	1.6	20
40	Extraction of natural radionuclides from aqueous solutions by novel maltolate-based task-specific ionic liquids. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 2483-2488.	0.7	14
41	Expanding on the Structural Diversity of Flavone- Derived Ruthenium(II)(â€6-arene) Anticancer Agents. <i>MetalloDrugs</i> , 2015, 1, .	1.7	15
42	1,3-Dioxindan-2-carboxamides as Bioactive Ligand Scaffolds for the Development of Novel Organometallic Anticancer Drugs. <i>Organometallics</i> , 2015, 34, 848-857.	1.1	25
43	Solution equilibria and antitumor activities of pentamethylcyclopentadienyl rhodium complexes of picolinic acid and deferiprone. <i>Journal of Coordination Chemistry</i> , 2015, 68, 1583-1601.	0.8	22
44	The rearrangement of tosylated flavones to 1â€2-(alkylamino)aurones with primary amines. <i>Tetrahedron</i> , 2015, 71, 8953-8959.	1.0	12
45	Comparative solution equilibrium studies on pentamethylcyclopentadienyl rhodium complexes of 2,2â€1-bipyridine and ethylenediamine and their interaction with human serum albumin. <i>Journal of Inorganic Biochemistry</i> , 2015, 152, 93-103.	1.5	23
46	Organometallic complexes of (thio)allomaltol-based Mannich-products: Synthesis, stability and preliminary biological investigations. <i>Journal of Organometallic Chemistry</i> , 2015, 782, 69-76.	0.8	15
47	Improved reaction conditions for the synthesis of new NKP-1339 derivatives and preliminary investigations on their anticancer potential. <i>Dalton Transactions</i> , 2015, 44, 659-668.	1.6	57
48	Microwave-assisted synthesis of N-heterocycle-based organometallics. <i>Journal of Organometallic Chemistry</i> , 2014, 772-773, 93-99.	0.8	14
49	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
50	Aqueous chemistry and antiproliferative activity of a pyrone-based phosphoramidate Ru(arene) anticancer agent. <i>Dalton Transactions</i> , 2014, 43, 9851.	1.6	7
51	Solution equilibria of anticancer ruthenium(II)-(1-6-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> , 2013, 127, 161-168.	1.5	24
52	Rhodium(Cp*) Compounds with Flavoneâ€Derived Ligand Systems: Synthesis and Characterization. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1648-1654.	0.6	17
53	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
54	3-Hydroxyflavones vs. 3-hydroxyquinolinones: structureâ€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

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55	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
56	Organometallic Ruthenium and Osmium Compounds of Pyridinâ€•and â€•ones as Potential Anticancer Agents. <i>Chemistry and Biodiversity</i> , 2012, 9, 1718-1727.	1.0	17
57	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
58	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
59	Structureâ€•Activity Relationships of Targeted Ru^{II}- $\hat{\text{I}}\text{-}6\text{-Cymene}$ Anticancer Complexes with Flavonol-Derived Ligands. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10512-10522.	2.9	132
60	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> , 2012, 108, 91-95.	1.5	53
61	Physicochemical Studies and Anticancer Potency of Ruthenium $\hat{\text{I}}\text{-}6\text{-Cymene}$ Complexes Containing Antibacterial Quinolones. <i>Organometallics</i> , 2011, 30, 2506-2512.	1.1	105
62	Pyrone derivatives and metals: From natural products to metal-based drugs. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 999-1010.	0.8	86
63	From hydrolytically labile to hydrolytically stable RuIIâ€•arene anticancer complexes with carbohydrate-derived co-ligands. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 224-231.	1.5	65
64	Osmium(ii)â€•versus ruthenium(ii)â€•arene carbohydrate-based anticancer compounds: similarities and differences. <i>Dalton Transactions</i> , 2010, 39, 7345.	1.6	88
65	Mannich products of kojic acid and N-heterocycles and their Ru(II)â€•arene complexes: Synthesis, characterization and stability. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 875-881.	0.8	26
66	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?. <i>Inorganic Chemistry</i> , 2010, 49, 7953-7963.	1.9	101
67	Influence of the Arene Ligand and the Leaving Group on the Anticancer Activity of (Thio)maltol Ruthenium(II)â€•($\hat{\text{I}}\text{-}6\text{-Arene}$) Complexes. <i>Australian Journal of Chemistry</i> , 2010, 63, 1521.	0.5	33
68	Maltolâ€•Derived Rutheniumâ€•Cymene Complexes with Tumor Inhibiting Properties: The Impact of Ligandâ€•Metal Bond Stability on Anticancer Activity In Vitro. <i>Chemistry - A European Journal</i> , 2009, 15, 12283-12291.	1.7	111
69	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
70	From Pyrone to Thiopyrone Ligandsâ€•Rendering Maltol-Derived Ruthenium(II)â€•Arene Complexes That Are Anticancer Active in Vitro. <i>Organometallics</i> , 2009, 28, 4249-4251.	1.1	85
71	Recombinant Wholeâ€•Cell Mediated <i>Baeyerâ€•Villiger</i> Oxidation of Perhydropyranâ€•Type Ketones. <i>Chemistry and Biodiversity</i> , 2008, 5, 490-498.	1.0	16
72	The Hydration of Chloroacetonitriles Catalyzed by Monoâ€•and Dinuclear Ru^{II}-â€•and Os^{II}-â€•Arene Complexes. <i>Chemistry and Biodiversity</i> , 2008, 5, 2060-2066.	1.0	21

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73	Modifying the structure of dinuclear ruthenium complexes with antitumor activity. Applied Organometallic Chemistry, 2008, 22, 326-332.	1.7	45
74	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. Advanced Synthesis and Catalysis, 2006, 348, 463-470.	2.1	18
75	Synthesis and Enantioselective Baeyer-Villiger Oxidation of Prochiral Perhydro-pyranones with Recombinant E. coli Producing Cyclohexanone Monooxygenase.. ChemInform, 2004, 35, no.	0.1	1
76	Synthesis and Enantioselective Baeyer-Villiger Oxidation of Prochiral Perhydro-pyranones with Recombinant E. coli Producing Cyclohexanone Monooxygenase. Synlett, 2003, 2003, 1973-1976.	1.0	17