

Å½ivadin D BugarÄiÄ

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A camphor based 1,3-diamine Ru(II) terpyridine complex: synthesis, characterization, kinetic investigation and DNA binding. <i>New Journal of Chemistry</i> , 2018, 42, 7607-7611.	2.8	10
2	Cisplatin and cisplatin analogues perfusion through isolated rat heart: the effects of acute application on oxidative stress biomarkers. <i>Molecular and Cellular Biochemistry</i> , 2018, 439, 19-33.	3.1	9
3	Stability and reactivity of gold compounds – From fundamental aspects to applications. <i>Coordination Chemistry Reviews</i> , 2017, 338, 186-206.	18.8	28
4	Platinum, palladium, gold and ruthenium complexes as anticancer agents: Current clinical uses, cytotoxicity studies and future perspectives. <i>European Journal of Medicinal Chemistry</i> , 2017, 142, 8-31.	5.5	316
5	Kinetic and mechanistic study on the reactions of ruthenium(II) chlorophenyl terpyridine complexes with nucleobases, oligonucleotides and DNA. <i>Dalton Transactions</i> , 2017, 46, 2360-2369.	3.3	19
6	New dinuclear palladium(II) complexes: Studies of the nucleophilic substitution reactions, DNA/BSA interactions and cytotoxic activity. <i>Journal of Inorganic Biochemistry</i> , 2017, 175, 67-79.	3.5	33
7	Impact of aromaticity on anticancer activity of polypyridyl ruthenium(II) complexes: synthesis, structure, DNA/protein binding, lipophilicity and anticancer activity. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 1007-1028.	2.6	38
8	New 4-(4-chlorophenyl)-2,2,6-terpyridine ruthenium(II) complexes: Synthesis, characterization, interaction with DNA/BSA and cytotoxicity studies. <i>Journal of Inorganic Biochemistry</i> , 2017, 169, 1-12.	3.5	77
9	New bimetallic palladium(II) and platinum(II) complexes: studies of the nucleophilic substitution reactions, interactions with CT-DNA, bovine serum albumin and cytotoxic activity. <i>Dalton Transactions</i> , 2016, 45, 12444-12457.	3.3	47
10	Platinum(II) complexes with hybrid amine-imidazolin-2-imine ligands and their reactivity toward bio-molecules. <i>New Journal of Chemistry</i> , 2016, 40, 4818-4825.	2.8	11
11	Crystal structure of K ₃ [PtCl ₃ (caffeine)] and its interactions with important nitrogen-donor ligands. <i>Journal of Coordination Chemistry</i> , 2016, 69, 735-747.	2.2	6
12	Antiproliferative properties and biomolecular interactions of three Pd(II) and Pt(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2016, 165, 1-6.	3.5	26
13	New gold carbene complexes as candidate anticancer agents. <i>BioMetals</i> , 2016, 29, 905-911.	4.1	29
14	Synthesis and structures of a pincer-type rhodium(III) complex: reactivity toward biomolecules. <i>Dalton Transactions</i> , 2016, 45, 15481-15491.	3.3	26
15	Kinetics and mechanism of the substitution reactions of some monofunctional Pt(II) complexes with heterocyclic nitrogen donor molecules. Crystal structure of [Pt(bpma)(pzBr)]Cl ₂ ·2H ₂ O. <i>Journal of Coordination Chemistry</i> , 2016, 69, 2819-2831.	2.2	4
16	DNA binding properties, histidine interaction and cytotoxicity studies of water soluble ruthenium(II) terpyridine complexes. <i>Dalton Transactions</i> , 2016, 45, 4633-4646.	3.3	70
17	Kinetics and mechanism of the substitution reactions of some bifunctional palladium(II) complexes with different nitrogen-donor heterocycles. <i>Transition Metal Chemistry</i> , 2016, 41, 161-168.	1.4	1
18	Interactions of nitrogen-donor bio-molecules with dinuclear platinum(II) complexes. <i>Journal of Coordination Chemistry</i> , 2015, 68, 3148-3163.	2.2	9

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19	Kinetics, mechanism and equilibrium studies on the substitution reactions of Pd(II) in reference to Pt(II) complexes with bio-molecules. <i>Coordination Chemistry Reviews</i> , 2015, 292, 91-106.	18.8	71
20	Mechanism of the reactions of ruthenium(II) polypyridyl complexes with thiourea, sulfur-containing amino acids and nitrogen-containing heterocycles. <i>Polyhedron</i> , 2015, 91, 73-83.	2.2	19
21	Platinum Complexes-Induced Cardiotoxicity of Isolated, Perfused Rat Heart: Comparison of Pt(II) and Pt(IV) Analogues Versus Cisplatin. <i>Cardiovascular Toxicology</i> , 2015, 15, 261-268.	2.7	14
22	Kinetics and mechanism of the substitution reactions of some monofunctional Pd(II) complexes with different nitrogen-donor heterocycles. <i>Journal of Coordination Chemistry</i> , 2015, 68, 3003-3012.	2.2	4
23	Kinetics and mechanism of substitution reactions of the new bimetallic $[\{PdCl(bipy)\}_2\{PtCl(bipy)\}_2]Cl(ClO_4)$ complex with important bio-molecules. <i>Polyhedron</i> , 2015, 101, 206-214.	2.2	6
24	Palladium(II) complexes with highly basic imidazolin-2-imines and their reactivity toward small bio-molecules. <i>Dalton Transactions</i> , 2015, 44, 17346-17359.	3.3	21
25	Substitution reactions of dinuclear platinum(II) complexes with some nitrogen nucleophiles. <i>Transition Metal Chemistry</i> , 2015, 40, 137-144.	1.4	0
26	Kinetics of chloride substitution in $[Pt(bpma)Cl]^+$ and $[Pt(gly-met-S,N,N)Cl]$ complexes by thiourea, nitrites, and iodides. <i>Chemical Papers</i> , 2014, 68, .	2.2	4
27	Substitution versus redox reactions of gold(III) complexes with L-cysteine, L-methionine and glutathione. <i>Dalton Transactions</i> , 2014, 43, 3911-3921.	3.3	47
28	Studies on the reactions of $[AuCl_4]^-$ with different nucleophiles in aqueous solution. <i>Dalton Transactions</i> , 2014, 43, 8620-8632.	3.3	41
29	New Water-Soluble Ruthenium(II) Terpyridine Complexes for Anticancer Activity: Synthesis, Characterization, Activation Kinetics, and Interaction with Guanine Derivatives. <i>Inorganic Chemistry</i> , 2014, 53, 6113-6126.	4.0	73
30	Complex formation reactions of two sterically hindered platinum(II) complexes with some N-bonding ligands. <i>Transition Metal Chemistry</i> , 2013, 38, 635-640.	1.4	3
31	NMR kinetic studies of the interactions between $[Ru(terpy)(bipy)(H_2O)]^{2+}$ and some sulfur-donor ligands. <i>Inorganica Chimica Acta</i> , 2013, 394, 552-557.	2.4	9
32	In vitro effects of some gold complexes on Na ⁺ /K ⁺ ATPase activity and cell proliferation. <i>Journal of Inorganic Biochemistry</i> , 2013, 124, 35-41.	3.5	15
33	Reduction of some Pt(IV) complexes with biologically important sulfur-donor ligands. <i>Dalton Transactions</i> , 2013, 42, 8890.	3.3	37
34	Kinetics, mechanism, and equilibrium studies of the reactions between a ruthenium(II) complex and some nitrogen- and sulfur-donor nucleophiles. <i>Monatshefte für Chemie</i> , 2013, 144, 1489-1498.	1.8	9
35	Inhibitory effect of cisplatin and $[Pt(dach)Cl_2]$ on the activity of phospholipase A2. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013, 28, 651-660.	5.2	2
36	Cytotoxicity of gold(III) Complexes on A549 Human Lung Carcinoma Epithelial Cell Line. <i>Medicinal Chemistry</i> , 2012, 8, 2-8.	1.5	32

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37	Effects of aurothiomalate and gold(III) complexes on spontaneous motility of isolated human oviduct. <i>BioMetals</i> , 2012, 25, 919-925.	4.1	6
38	Substitution behaviour of novel dinuclear Pt(κ^2) complexes with bio-relevant nucleophiles. <i>Dalton Transactions</i> , 2012, 41, 876-884.	3.3	36
39	Role of π -Acceptor Effects in Controlling the Lability of Novel Monofunctional Pt(II) and Pd(II) Complexes: Crystal Structure of [Pt(triipyridinedimethane)Cl]Cl. <i>Inorganic Chemistry</i> , 2012, 51, 1516-1529.	4.0	48
40	Mechanistic studies on the reactions of platinum(ii) complexes with nitrogen- and sulfur-donor biomolecules. <i>Dalton Transactions</i> , 2012, 41, 12329.	3.3	98
41	Ligand substitution reactions of some sterically hindered Pt(II) complexes. The crystal structures of [Tl ^t BuH ₂](ClO ₄) ₂ ·0.5H ₂ O. <i>Polyhedron</i> , 2012, 41, 70-76.	2.2	9
42	Kinetics and mechanism of the reactions of Au(iii) complexes with some biologically relevant molecules. <i>Dalton Transactions</i> , 2012, 41, 3633.	3.3	35
43	Equilibrium studies between some transition metal ions and Me ₆ [14]dieneN ₄ ligand. <i>Monatshefte für Chemie</i> , 2012, 143, 1357-1363.	1.8	1
44	Factors that influence the antiproliferative activity of half sandwich Ru(κ^3) coordination compounds: activation kinetics and interaction with guanine derivatives. <i>Dalton Transactions</i> , 2012, 41, 11608.	3.3	23
45	Cytotoxic properties of platinum(IV) and dinuclear platinum(II) complexes and their ligand substitution reactions with guanosine-5'-monophosphate. <i>Transition Metal Chemistry</i> , 2012, 37, 481-488.	1.4	16
46	Substitution reactions of some novel sterically hindered monofunctional Pd(II) complexes. <i>Inorganica Chimica Acta</i> , 2012, 383, 300-304.	2.4	13
47	Equilibrium studies of the reactions of palladium(ii) bis(imidazolin-2-imine) complexes with biologically relevant nucleophiles. The crystal structures of [(Tl ^t Bu)PdCl]ClO ₄ and [(BLiPr)PdCl ₂]. <i>Dalton Transactions</i> , 2011, 40, 6515.	3.3	27
48	Laser desorption and ionization time-of-flight versus matrix-assisted laser desorption and ionization time-of-flight mass spectrometry of Pt(ii) and Ru(iii) metal complexes. <i>Analytical Methods</i> , 2011, 3, 400-407.	2.7	16
49	Kinetics and mechanism of the reactions of Ru(II) κ^3 arene complex with some biologically relevant ligands. <i>Polyhedron</i> , 2011, 30, 2339-2344.	2.2	15
50	Kinetic and thermodynamic studies on reactions of [PtCl(bpma)] ⁺ and [Pt(bpma)H ₂ O] ₂ ⁺ (bpma = bis-(2-pyridylmethyl)amine) with some azoles and diazines. <i>Transition Metal Chemistry</i> , 2011, 36, 73-78.	1.4	9
51	Kinetics of the substitution reactions of some Pt(II) complexes with 5'-GMP and κ^1 -histidine. <i>International Journal of Chemical Kinetics</i> , 2011, 43, 99-106.	1.6	13
52	Kinetic Studies on the Reactions of Different Bifunctional Platinum(II) Complexes with Selected Nucleophiles. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 5439-5445.	2.0	35
53	Ligand substitution reactions and cytotoxic properties of [Au(L)Cl ₂] ⁺ and [AuCl ₂ (DMSO) ₂] ⁺ complexes (L=ethylenediamine and S-methyl-L-cysteine). <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 944-949.	3.5	37
54	UV-Vis, HPLC, and ¹ H-NMR studies of the substitution reactions of some Pt(IV) complexes with 5'-GMP and κ^1 -histidine. <i>Journal of Coordination Chemistry</i> , 2010, 63, 2419-2430.	2.2	11

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55	Classification of stacking interaction geometries of terpyridyl square-planar complexes in crystal structures. <i>CrystEngComm</i> , 2010, , .	2.6	3
56	Equilibrium and Kinetic Studies of the Reactions between Aqua[1-(2-aminoethyl)piperazine]palladium(II) and Biologically Relevant Nucleophiles. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2261-2270.	2.0	29
57	Equilibrium and ¹ H NMR Kinetic Study of the Reactions of Dichlorido [S-Methyl-L-Cysteine(N,S)]Platinum(II) Complex with Some Relevant Biomolecules. <i>Journal of Solution Chemistry</i> , 2009, 38, 57-71.	1.2	5
58	Influence of the chloride concentration on ligand substitution reactions of [Pt(SMC)Cl ₂] with biologically relevant nucleophiles. <i>Dalton Transactions</i> , 2009, , 4526.	3.3	23
59	Study of the reactions of cisplatin with ranitidine and nizatidine by means of ¹ H NMR spectroscopy in D ₂ O. <i>Monatshefte FÄ¼r Chemie</i> , 2008, 139, 1197-1202.	1.8	1
60	Effects of cisplatin and other Pt(II) complexes on spontaneous motility of isolated human oviduct. <i>Toxicology in Vitro</i> , 2008, 22, 1878-1882.	2.4	6
61	Kinetic studies on the reactions of [Pd(dach)(Xâ€“Y)] complexes with some DNA constituents. <i>Dalton Transactions</i> , 2008, , 807-813.	3.3	14
62	Systematic Counterion Tuning of the Solid-State Structure of [Pt(thiourea) ₄] ²⁺ . <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 1390-1404.	2.0	11
63	Studies of interactions between platinum(II) complexes and some biologically relevant molecules. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 4203-4211.	3.0	39
64	Thermodynamic and Kinetic Studies on Reactions of Pt(II) Complexes with Pyrazole, Pyridazine, and 1,2,4-Triazole. <i>Monatshefte FÄ¼r Chemie</i> , 2007, 138, 1-11.	1.8	18
65	The impact of different chelating leaving groups on the substitution kinetics of mononuclear Pt(II)(1,2-trans-R,R-diaminocyclohexane)(Xâ€“Y) complexes. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 461-475.	2.6	55
66	Kinetics and mechanism of the substitution reactions of [PtCl(bpma)] ⁺ , [PtCl(gly-met-S,N,N)] and their aqua analogues with l-methionine, glutathione and 5â€“GMP. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 1141-1150.	2.6	36
67	Kinetic and mechanistic study on the reactions of [Pt(bpma)(H ₂ O)] ₂ ⁺ and [Pd(bpma)(H ₂ O)] ₂ ⁺ with some nucleophiles. Crystal structure of [Pd(bpma)(py)](ClO ₄) ₂ . <i>Dalton Transactions</i> , 2006, , 2943-2949.	3.3	57
68	Kinetics and mechanism of the reactions of Pd(ii) complexes with azoles and diazines. Crystal structure of [Pd(bpma)(H ₂ O)](ClO ₄) ₂ ·2H ₂ O. <i>Dalton Transactions</i> , 2006, , 2984-2990.	3.3	39
69	Prevention and recovery of (1/3-diethylentriamino)-chloro-palladium(II)-chloride induced inhibition of Na/K-ATPase by SH containing ligands â€“ l-cysteine and glutathione. <i>Toxicology in Vitro</i> , 2006, 20, 1292-1299.	2.4	12
70	Effects of Micelles on the Complex Formation of [PtCl(dien)] ⁺ with Biologically Relevant Ligands. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 1889-1893.	3.2	5
71	Study of the reactions between platinum(II) complexes and l-methionine in the presence and absence of 5â€“GMP. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1472-1479.	3.5	67
72	Influence of acidity on the reaction between [PdCl(dien)] ⁺ and l-cysteine or glutathione in the presence of sodium dodecyl sulfate micelles. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 441-447.	1.9	12

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73	Rate and Equilibrium Data for Substitution Reactions of [Pd(dien)Cl] ⁺ with L-Cysteine and Glutathione in Aqueous Solution. Monatshefte für Chemie, 2004, 135, 151-160.	1.8	34
74	Kinetics and mechanism of the complex formation of [Pd(NNN)Cl] ⁺ with pyridines in methanol: synthesis and crystal structure of [Pd(terpy)(py)](ClO ₄) ₂ . Inorganica Chimica Acta, 2004, 357, 2650-2656.	2.4	45
75	Substitution reactions of [Pt(terpy)X] ₂ ²⁺ with some biologically relevant ligands. Synthesis and crystal structure of [Pt(terpy)(cyst-S)](ClO ₄) ₂ ·0.5H ₂ O and [Pt(terpy)(guo-N7)](ClO ₄) ₂ ·0.5guo·1.5H ₂ O. Dalton Transactions, 2004, , 279-286.	3.3	77
76	Equilibrium, kinetic and HPLC study of the reactions between platinum(ii) complexes and DNA constituents in the presence and absence of glutathione. Dalton Transactions, 2004, , 3869-3877.	3.3	43
77	Influence of sodium dodecyl sulfate on the kinetics of complex formation between [PdCl(dien)] ⁺ and sulfur containing ligands l-cysteine and glutathione. Polyhedron, 2003, 22, 279-285.	2.2	18
78	Kinetics and mechanism of the reactions of [Pt(terpy)H ₂ O] ₂ ²⁺ with thiols in acidic aqueous solution. Synthesis and crystal structure of [Pt(terpy)(tu)](ClO ₄) ₂ (tu = thiourea). Dalton Transactions RSC, 2002, , 2825.	2.3	50
79	Equilibrium and kinetic data for the interaction of diaqua-(S-methyl-l-cysteine)palladium(ii) with biologically relevant ligands. Dalton Transactions RSC, 2002, , 3945.	2.3	31
80	Kinetics and mechanism of the reaction of chelated Pd(ii) complexes with thiols in acidic aqueous solution. Synthesis and crystal structure of [Pd(bpma)Cl]Cl·H ₂ O (bpma = bis(2-pyridylmethyl)amine). Dalton Transactions RSC, 2002, , 951.	2.3	70
81	Growth Effects of Some Platinum(II) Complexes with Sulfur-Containing Carrier Ligands on MCF7 Human Breast Cancer Cell Line upon Simultaneous Administration with Taxol. Metal-Based Drugs, 2002, 9, 33-43.	3.8	18
82	Title is missing!. Transition Metal Chemistry, 2002, 27, 155-158.	1.4	8
83	KINETICS AND MECHANISM OF COMPLEX FORMATION BETWEEN [PtCl(DIEN)] ⁺ AND THIOLS AND THIOETHERS. Journal of Coordination Chemistry, 2001, 53, 35-45.	2.2	11
84	Hydrolysis of [Pt(dien)H ₂ O] ₂ ²⁺ and [Pd(dien)H ₂ O] ₂ ²⁺ complexes in water. Transition Metal Chemistry, 2001, 26, 668-671.	1.4	37
85	Binding of Platinum(II) to Some Biologically Important Thiols. Metal-Based Drugs, 1999, 6, 355-360.	3.8	26
86	Nucleophilicity of thiols towards planar tetracoordinated platinum(II) complexes. Transition Metal Chemistry, 1998, 23, 715-719.	1.4	29