

Elzbieta Gumienna-Kontecka

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97
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1,461
ext. citations

5
avg, IF

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#	Paper	IF	Citations
91	Phosphonates, their complexes and bio-applications: A spectrum of surprising diversity. <i>Coordination Chemistry Reviews</i> , 2012 , 256, 105-124	23.2	114
90	Metallacrown-based compounds: Applications in catalysis, luminescence, molecular magnetism, and adsorption. <i>Coordination Chemistry Reviews</i> , 2016 , 327-328, 304-332	23.2	73
89	Synthesis and structure of [2 x 2] molecular grid copper(II) and nickel(II) complexes with a new polydentate oxime-containing Schiff base ligand. <i>Inorganic Chemistry</i> , 2008 , 47, 5656-65	5.1	70
88	Toward iron sensors: bioinspired tripods based on fluorescent phenol-oxazoline coordination sites. <i>Inorganic Chemistry</i> , 2007 , 46, 2485-97	5.1	63
87	Bisphosphonate chelating agents: complexation of Fe(III) and Al(III) by 1-phenyl-1-hydroxymethylene bisphosphonate and its analogues. <i>Inorganica Chimica Acta</i> , 2002 , 339, 111-118	2.7	56
86	Efficient stabilization of copper(III) in tetraaza pseudo-macrocyclic oxime-and-hydrazide ligands with adjustable cavity size. <i>Chemical Communications</i> , 2006 , 4125-7	5.8	50
85	Bisphosphonate chelating agents. Coordination ability of 1-phenyl-1-hydroxymethylene bisphosphonate towards Cu(2+) ions. <i>Journal of Inorganic Biochemistry</i> , 2002 , 89, 13-7	4.2	46
84	A new Cu(II) [12]metallocrown-4 pentanuclear complex based on a Cu(II)-malonomonohydroxamic acid unit. <i>New Journal of Chemistry</i> , 2007 , 31, 1798	3.6	38
83	Chelating dihydroxamic acids: study of metal speciation and co-ordination compounds with Ni ²⁺ and Cu ²⁺ . <i>Dalton Transactions RSC</i> , 2000 , 4064-4068		35
82	Study of complex formation with 2-hydroxyiminocarboxylates: specific metal binding ability of 2-(4-methylthiazol-2-yl)-2-(hydroxyimino)acetic acid. <i>Inorganica Chimica Acta</i> , 2002 , 329, 113-121	2.7	34
81	Chiral spin crossover nanoparticles and gels with switchable circular dichroism. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4737-4741	7.1	32
80	Iron chelating strategies in systemic metal overload, neurodegeneration and cancer. <i>Current Medicinal Chemistry</i> , 2014 , 21, 3741-67	4.3	32
79	An interaction of the functionalized closo -borates with albumins: The protein fluorescence quenching and calorimetry study. <i>Journal of Luminescence</i> , 2016 , 169, 51-60	3.8	31
78	Harnessing the power of fungal siderophores for the imaging and treatment of human diseases. <i>Coordination Chemistry Reviews</i> , 2016 , 327-328, 84-109	23.2	29
77	Collapsed Cu(II)-hydroxamate metallacrowns. <i>Inorganic Chemistry</i> , 2012 , 51, 6221-7	5.1	28
76	Indefinitely stable iron(IV) cage complexes formed in water by air oxidation. <i>Nature Communications</i> , 2017 , 8, 14099	17.4	27
75	Ferrioxamine B analogues: targeting the FoxA uptake system in the pathogenic <i>Yersinia enterocolitica</i> . <i>Journal of the American Chemical Society</i> , 2005 , 127, 1137-45	16.4	27

74	"Primitive" membrane from polyprenyl phosphates and polyprenyl alcohols. <i>Chemistry and Biology</i> , 2007 , 14, 313-9		26
73	2-(Hydroxyimino)propanohydroxamic acid, a new effective ligand for aluminium. <i>Dalton Transactions RSC</i> , 2000 , 4201-4208		26
72	Dendrimers with a copper(I) bis(phenanthroline) core: synthesis, electronic properties, and kinetics. <i>Inorganic Chemistry</i> , 2004 , 43, 3200-9	5.1	24
71	A dinuclear zinc(II) complex of a new unsymmetric ligand with an N(5)O(2) donor set: a structural and functional model for the active site of zinc phosphoesterases. <i>Journal of Inorganic Biochemistry</i> , 2014 , 132, 6-17	4.2	23
70	Coordination abilities of substituted Diaminophosphonates towards Cu ²⁺ and Zn ²⁺ ions. <i>Inorganica Chimica Acta</i> , 2004 , 357, 1632-1636	2.7	23
69	Stereoselective synthesis, solution structure and metal complexes of (1S,2S)-2-amino-1-hydroxyalkylphosphonic acids. <i>Tetrahedron: Asymmetry</i> , 2003 , 14, 1837-1845		22
68	The solution thermodynamic stability of desferrioxamine B (DFO) with Zr(IV). <i>Journal of Inorganic Biochemistry</i> , 2019 , 198, 110753	4.2	19
67	Towards a new attenuating compound: a potentiometric, spectrophotometric and NMR equilibrium study on Fe(III), Al(III) and a new tetradentate mixed bisphosphonate-hydroxypyridinonate ligand. <i>Journal of Inorganic Biochemistry</i> , 2008 , 102, 1486-94	4.2	19
66	A study on the nickel II-famotidine complexes. <i>Journal of Inorganic Biochemistry</i> , 2002 , 92, 112-20	4.2	19
65	First clathrochelate iron and cobalt(II) tris-dioximates with reactive apical substituents. <i>Inorganic Chemistry Communication</i> , 2013 , 30, 53-57	3.1	18
64	Coordination diversity in mono- and oligonuclear copper(II) complexes of pyridine-2-hydroxamic and pyridine-2,6-dihydroxamic acids. <i>Inorganic Chemistry</i> , 2013 , 52, 7633-44	5.1	18
63	Membrane properties of branched polyprenyl phosphates, postulated as primitive membrane constituents. <i>Chemistry and Biodiversity</i> , 2006 , 3, 434-55	2.5	15
62	Pyridine-2,6-dihydroxamic acid, a powerful dihydroxamate ligand for Ni ²⁺ and Cu ²⁺ ions. <i>Dalton Transactions RSC</i> , 2002 , 4639-4643		15
61	Ni(II) interaction with a peptide model of the human TLR4 ectodomain. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017 , 44, 151-160	4.1	14
60	Manganism and Parkinson's disease: Mn(II) and Zn(II) interaction with a 30-amino acid fragment. <i>Dalton Transactions</i> , 2016 , 45, 5151-61	4.3	13
59	Zinc(II) and copper(II) complexes with hydroxypyronone iron chelators. <i>Journal of Inorganic Biochemistry</i> , 2015 , 151, 94-106	4.2	12
58	Novel pyrazolate-based copper(II) [2D] grid complexes: Synthesis, structure and properties. <i>Inorganica Chimica Acta</i> , 2012 , 392, 322-330	2.7	12
57	Facile synthesis of Cu(II) complexes of mono- and bicondensed N donor Schiff base 1H-pyrazolate ligands: Crystal structures, spectroscopic and magnetic properties. <i>Polyhedron</i> , 2012 , 37, 77-84	2.7	11

56	Effective binding of perhalogenated closo-borates to serum albumins revealed by spectroscopic and ITC studies. <i>Journal of Molecular Structure</i> , 2017 , 1141, 75-80	3-4	10
55	Biomimetic ferrichrome: structural motifs for switching between narrow- and broad-spectrum activities in <i>P. putida</i> and <i>E. coli</i> . <i>Dalton Transactions</i> , 2015 , 44, 20850-8	4-3	10
54	Encapsulation of a guest sodium cation by iron(III) tris-(hydroxamate)s. <i>Dalton Transactions</i> , 2012 , 41, 9427-30	4-3	10
53	Induced chirality of cage metal complexes switched by their supramolecular and covalent binding. <i>Dalton Transactions</i> , 2018 , 47, 1036-1052	4-3	9
52	Copper(II) complexes of 3- and 4-picolinehydroxamic acids: from mononuclear compounds to 1D- and 2D-coordination polymers. <i>CrystEngComm</i> , 2014 , 16, 1904	3-3	9
51	Synthesis and Molecular Structures of CuII 15-Metallacrown-5 Complexes with Encapsulated CaII, PrIII and NdIII Ions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 2326-2332	1-3	9
50	Induced CD of iron(ii) clathrochelates: sensing of the structural and conformational alterations of serum albumins. <i>Metallomics</i> , 2019 , 11, 338-348	4-5	8
49	A Bis(ηphenoxo)-Bridged Dizinc Complex with Hydrolytic Activity. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 1534-1542	1-3	8
48	(2RS)-3-Hydr-oxy-2-methyl-2-(2-pyrid-yl)imidazolidine-4-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, o2123-4		8
47	Manganese binding to antioxidant peptides involved in extreme radiation resistance in <i>Deinococcus radiodurans</i> . <i>Journal of Inorganic Biochemistry</i> , 2016 , 164, 49-58	4-2	8
46	An Unsymmetric Ligand with a N5O2 Donor Set and Its Corresponding Dizinc Complex: A Structural and Functional Phosphoesterase Model. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 4004-4013 ²⁻³		8
45	(2E)-2-Hydroxy-imino-NF[(E)-2-pyridyl-methyl-ene]propanohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, o2413		7
44	Explaining How ηHydroxamate Ligands Control the Formation of Cu(II)-, Ni(II)-, and Zn(II)-Containing Metallacrowns. <i>Inorganic Chemistry</i> , 2019 , 58, 16642-16659	5-1	7
43	Dicarboxyl-terminated iron(ii) clathrochelates as ICD-reporters for globular proteins.. <i>RSC Advances</i> , 2019 , 9, 24218-24230	3-7	6
42	Ferrichrome Has Found Its Match: Biomimetic Analogues with Diversified Activity Map Discrete Microbial Targets. <i>Chemistry - A European Journal</i> , 2017 , 23, 13181-13191	4-8	6
41	Cu(II), Ni(II) and Zn(II) mononuclear building blocks based on new polynucleating azomethine ligand: Synthesis and characterization. <i>Polyhedron</i> , 2017 , 137, 60-71	2-7	6
40	Dimeric versus polymeric coordination in copper(II) cationic complexes with bis(chelating) oxime and amide ligands. <i>Dalton Transactions</i> , 2010 , 39, 6266-75	4-3	6
39	Binding ability of aminophosphonates containing imidazole and pyridine as additional donor systems. <i>Inorganica Chimica Acta</i> , 2012 , 380, 223-229	2-7	5

38	Chelating Agents as Tools for the Treatment of Metal Overload. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 1321-1331	1.3	5
37	Synthesis and solution studies of Cu(II) complexes with pyridine derivatives of iminobisphosphonic acids. <i>Inorganica Chimica Acta</i> , 2011 , 365, 391-399	2.7	5
36	Zinc(II) Complexes with Asymmetric 3,5-Substituted 1H-Pyrazoles. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 1639-1649	2.3	4
35	[Oxalato-1 λ O, O':2 λ O??, O??-bis(chloro[[1-(2-pyridyl- λ)ethylidene]hydrazine- λ]}copper(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, m438-m440		4
34	Preparation and Crystal Structure of a Mixed Metal Assembly [Ni(phen)3][Cu(H-1pap)]2(NO3) \cdot 8 H2O Featuring Octahedral Cationic and Square-planar Anionic Modules. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2000 , 55, 966-970	1	4
33	Complex formation of copper(II), nickel(II) and zinc(II) with ethylophosphonoacetohydroxamic acid: solution speciation, synthesis and structural characterization. <i>New Journal of Chemistry</i> , 2019 , 43, 10237-10249 ³	3.6	3
32	Exploring the Specificity of Rationally Designed Peptides Reconstituted from the Cell-Free Extract of toward Mn(II) and Cu(II). <i>Inorganic Chemistry</i> , 2020 , 59, 4661-4684	5.1	3
31	Non-symmetrical bis(aminoalkyl)phosphinates: new ligands with enhanced binding of Cu(II) ions. <i>New Journal of Chemistry</i> , 2018 , 42, 7737-7745	3.6	3
30	Bis(ethylenediaminium) bis[oxalohydroxamato(3-)]nickelate(II) dihydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006 , 62, m498-500		3
29	Copper (II)-aminohydroxamate ternary complexes evidenced by mass spectrometry. <i>Arkivoc</i> , 2009 , 2009, 145-157	0.9	3
28	Building a Trojan Horse: Siderophore-Drug Conjugates for the Treatment of Infectious Diseases. <i>Metal Ions in Life Sciences</i> , 2019 , 19,	2.6	3
27	The Role of Trace Elements in Living Organisms 2018 , 177-206		2
26	Influence of structural elements on iron(III) chelating properties in a new series of amino acid-derived monohydroxamates. <i>Inorganica Chimica Acta</i> , 2018 , 473, 286-296	2.7	2
25	HENRYK - An endless source of metal coordination surprises. <i>Journal of Inorganic Biochemistry</i> , 2016 , 163, 258-265	4.2	2
24	Crystal structure of meso-tetra-kis-(4-nitro-phen-yl)porphyrin nitro-benzene disolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014 , 70, o1147-8		2
23	Bis{4-[(3,5-dimethyl-1H-pyrazol-4-yl)selan-yl]-3,5-dimethyl-1H-pyrazol-2-ium} chloride monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o2068		2
22	Diaquabis-[3-(hydroxy-imino)-butanoato]nickel(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m277-8		2
21	[Di-aqua-sesqui(nitrato- λ)hemi(perchlorato- λ)copper(II)]-[bis-[5-methyl-3-(pyridin-2-yl)-1H-pyrazol-4-yl]selenide]-[tri-aqua-(perchlorato- λ)copper(II)] nitrate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013 , 69, m314-5		2

20	Sensing of Proteins by ICD Response of Iron(II) Clathrochelates Functionalized by Carboxyalkylsulfide Groups. <i>Biomolecules</i> , 2020 , 10,	5.9	2
19	Synthesis and spectral characterization of the first fluorescein-tagged iron(ii) clathrochelates, their supramolecular interactions with globular proteins, and cellular uptake.. <i>RSC Advances</i> , 2021 , 11, 8163-8177	3.7	2
18	Thermodynamic Stability and Speciation of Ga(III) and Zr(IV) Complexes with High-Denticity Hydroxamate Chelators. <i>Inorganic Chemistry</i> , 2021 , 60, 13332-13347	5.1	2
17	An investigation of two copper(ii) complexes with a triazole derivative as a ligand: magnetic and catalytic properties.. <i>RSC Advances</i> , 2021 , 11, 23442-23449	3.7	2
16	Lanthanide complexes based on a new bis-chelating carbacylamidophosphate (CAPH) scorpionate-like ligand.. <i>RSC Advances</i> , 2020 , 10, 24808-24816	3.7	1
15	Synthesis, crystal structures and spectral characterization of chiral 4-R-1,2,4-triazoles. <i>Journal of Molecular Structure</i> , 2017 , 1127, 164-168	3.4	1
14	(3-Acetyl-4-methyl-1H-pyrazol-1-ide-5-carboxyl-ato)bis-(1,10-phenanthroline)nickel(II) 3.5-hydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013 , 69, m417-8		1
13	4-(Hydroxyaminocarbonyl)pyridinium chloride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, o1515-o1517		1
12	Bis(N-oxidonicotinamidium- μ O,O?)diperchloratocopper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, m1228-m1230		1
11	Diaquabis-[3-(hydroxy-imino-)butanoato]nickel(II): a triclinic polymorph. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m316-7		1
10	Synthesis, crystal structure and magnetic properties of new copper(II) complexes based on 3-(2-pyridyl)-1,2,4-triazole. <i>Inorganica Chimica Acta</i> , 2020 , 500, 119216	2.7	1
9	Expanding manganese(IV) aqueous chemistry: unusually stable water-soluble hexahydrazide clathrochelate complexes. <i>Chemical Communications</i> , 2021 , 57, 11060-11063	5.8	1
8	Cyclic Analogs of Desferrioxamine E Siderophore for Ga Nuclear Imaging: Coordination Chemistry and Biological Activity in. <i>Inorganic Chemistry</i> , 2021 , 60, 17846-17857	5.1	0
7	Bis[3-methyl-5-(pyridin-2-yl)-1H-pyrazol-4-yl] selenide methanol hemisolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014 , 70, o127-8		
6	Dibromidobis(3,5-dimethyl-1H-pyrazole- μ)cobalt(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, m1491		
5	cis-Bis(2,2'fbipyridine- μ ,N \uparrow)bis-(dimethyl sulfoxide- μ)zinc bis-(tetra-phenyl-borate) dimethyl sulfoxide monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, m1774-5		
4	(3-Acetyl-5-carboxyl-ato-4-methyl-1H-pyrazol-1-ido- μ) N (1),O (5))aqua-[(pyridin-2-yl)methanamine- μ] N,N \uparrow copper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, m1455-6		
3	[Aqua-bis-(nitrato- μ)copper(II)]- μ [[bis-[5-methyl-3-(pyridin-2-yl)-1H-pyrazol-4-yl]selenide]-[diaqua-(nitrato- μ)copper(II)] nitrate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, m1472-3		

2 Potassium 2-(N-hydroxy-carbamo-yl)acetate monohydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, m1254-5

1 An Unsymmetric Ligand with a N5O2 Donor Set and Its Corresponding Dizinc Complex: A Structural and Functional Phosphoesterase Model. *European Journal of Inorganic Chemistry*, **2018**, 2018, 3986-3986^{2,3}