

Elzbieta Gumienna-Kontecka

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91
papers

1,325
citations

22
h-index

33
g-index

97
ext. papers

1,461
ext. citations

5
avg, IF

4.36
L-index

#	Paper	IF	Citations
91	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
90	Expanding manganese(IV) aqueous chemistry: unusually stable water-soluble hexahydrazide clathrochelate complexes. <i>Chemical Communications</i> , 2021 , 57, 11060-11063	5.8	1
89	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
88	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
87	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
86	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
85	Lanthanide complexes based on a new bis-chelating carbacylamidophosphate (CAPH) scorpionate-like ligand.. <i>RSC Advances</i> , 2020 , 10, 24808-24816	3.7	1
84	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
83	Sensing of Proteins by ICD Response of Iron(II) Clathrochelates Functionalized by Carboxyalkylsulfide Groups. <i>Biomolecules</i> , 2020 , 10,	5.9	2
82	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
81	The solution thermodynamic stability of desferrioxamine B (DFO) with Zr(IV). <i>Journal of Inorganic Biochemistry</i> , 2019 , 198, 110753	4.2	19
80	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 ^{3,6}	3.6	3
79	Dicarboxyl-terminated iron(ii) clathrochelates as ICD-reporters for globular proteins.. <i>RSC Advances</i> , 2019 , 9, 24218-24230	3.7	6
78	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
77	Explaining How Hydroxamate 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
76	The Role of Trace Elements in Living Organisms 2018 , 177-206		2
75	Induced chirality of cage metal complexes switched by their supramolecular and covalent binding. <i>Dalton Transactions</i> , 2018 , 47, 1036-1052	4.3	9

74	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
73	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
72	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, 3986-3986 ²⁻³		
71	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
70	Indefinitely stable iron(IV) cage complexes formed in water by air oxidation. <i>Nature Communications</i> , 2017 , 8, 14099	17.4	27
69	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
68	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
67	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
66	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
65	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
64	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
63	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
62	HENRYK - An endless source of metal coordination surprises. <i>Journal of Inorganic Biochemistry</i> , 2016 , 163, 258-265	4.2	2
61	Metallacrown-based compounds: Applications in catalysis, luminescence, molecular magnetism, and adsorption. <i>Coordination Chemistry Reviews</i> , 2016 , 327-328, 304-332	23.2	73
60	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
59	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
58	Chiral spin crossover nanoparticles and gels with switchable circular dichroism. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4737-4741	7.1	32
57	Zinc(II) and copper(II) complexes with hydroxypyron iron chelators. <i>Journal of Inorganic Biochemistry</i> , 2015 , 151, 94-106	4.2	12

56	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
55	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
54	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
53	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
52	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
51	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		
50	Iron chelating strategies in systemic metal overload, neurodegeneration and cancer. <i>Current Medicinal Chemistry</i> , 2014 , 21, 3741-67	4.3	32
49	First clathrochelate iron and cobalt(II) tris-dioximates with reactive apical substituents. <i>Inorganic Chemistry Communication</i> , 2013 , 30, 53-57	3.1	18
48	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
47	(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
46	A Bis(μ -phenoxo)-Bridged Dizinc Complex with Hydrolytic Activity. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 1534-1542	1.3	8
45	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
44	[Di-aqua-sesqui(nitrato- μ)hemi(perchlorato- μ)copper(II)]- μ -[bis-[5-methyl-3-(pyridin-2-yl)-1H-pyrazol-4-yl] selenide]-[tri-aqua-(perchlorato- μ)copper(II)] nitrate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013 , 69, m314-5		2
43	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
42	Novel pyrazolate-based copper(II) [2D] grid complexes: Synthesis, structure and properties. <i>Inorganica Chimica Acta</i> , 2012 , 392, 322-330	2.7	12
41	Phosphonates, their complexes and bio-applications: A spectrum of surprising diversity. <i>Coordination Chemistry Reviews</i> , 2012 , 256, 105-124	23.2	114
40	Collapsed Cu(II)-hydroxamate metallacrowns. <i>Inorganic Chemistry</i> , 2012 , 51, 6221-7	5.1	28
39	Zinc(II) Complexes with Asymmetric 3,5-Substituted 1H-Pyrazoles. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 1639-1649	2.3	4

38	Encapsulation of a guest sodium cation by iron(III) tris-(hydroxamate)s. <i>Dalton Transactions</i> , 2012 , 41, 9427-30	4.3	10
37	Binding ability of aminophosphonates containing imidazole and pyridine as additional donor systems. <i>Inorganica Chimica Acta</i> , 2012 , 380, 223-229	2.7	5
36	(3-Acetyl-5-carboxylato-4-methyl-1H-pyrazol-1-ido- λ^2 N (1),O (5))aqua-[(pyridin-2-yl)methanamine- λ^2 N,N']copper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, m1455-6		
35	Bis{4-[(3,5-dimethyl-1H-pyrazol-4-yl)selen-yl]-3,5-dimethyl-1H-pyrazol-2-ium} chloride monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o2068		2
34	[Aqua-bis-(nitrato- λ^2)copper(II)]- μ [[bis-[5-methyl-3-(pyridin-2-yl)-1H-pyrazol-4-yl]selenide]-[diaqua-(nitrato- λ^2)copper(II)] nitrate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, m1472-3		
33	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
32	Dibromidobis(3,5-dimethyl-1H-pyrazole- λ^2)cobalt(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, m1491		
31	cis-Bis(2,2 λ^2 bipyridine- λ^2 ,N λ^2)bis-(dimethyl sulfoxide- λ^2)zinc bis-(tetra-phenyl-borate) dimethyl sulfoxide monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, m1774-5		
30	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
29	Diaquabis-[3-(hydroxy-imino)-butanoato]nickel(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m277-8		2
28	Diaquabis-[3-(hydroxy-imino)-butanoato]nickel(II): a triclinic polymorph. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m316-7		1
27	(2RS)-3-Hydroxy-2-methyl-2-(2-pyrid-yl)imidazolidine-4-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, o2123-4		8
26	(2E)-2-Hydroxy-imino-N λ^2 [(E)-2-pyridyl-methyl-ene]propanohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, o2413		7
25	Copper (II)-aminohydroxamate ternary complexes evidenced by mass spectrometry. <i>Arkivoc</i> , 2009 , 2009, 145-157	0.9	3
24	Potassium 2-(N-hydroxy-carbamo-yl)acetate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, m1254-5		
23	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
22	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
21	"Primitive" membrane from polyprenyl phosphates and polyprenyl alcohols. <i>Chemistry and Biology</i> , 2007 , 14, 313-9		26

20	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
19	4-(Hydroxyaminocarbonyl)pyridinium chloride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, o1515-o1517		1
18	Bis(N-oxidonicotinamidium- λ O,O')diperchloratocopper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, m1228-m1230		1
17	Toward iron sensors: bioinspired tripods based on fluorescent phenol-oxazoline coordination sites. <i>Inorganic Chemistry</i> , 2007 , 46, 2485-97	5.1	63
16	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
15	Membrane properties of branched polyprenyl phosphates, postulated as primitive membrane constituents. <i>Chemistry and Biodiversity</i> , 2006 , 3, 434-55	2.5	15
14	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
13	Bis(ethylenediaminium) bis[oxalohydroxamato(3-)]nickelate(II) dihydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006 , 62, m498-500		3
12	Ferrioxamine B analogues: targeting the FoxA uptake system in the pathogenic Yersinia enterocolitica. <i>Journal of the American Chemical Society</i> , 2005 , 127, 1137-45	16.4	27
11	Coordination abilities of substituted β aminophosphonates towards Cu ²⁺ and Zn ²⁺ ions. <i>Inorganica Chimica Acta</i> , 2004 , 357, 1632-1636	2.7	23
10	Dendrimers with a copper(I) bis(phenanthroline) core: synthesis, electronic properties, and kinetics. <i>Inorganic Chemistry</i> , 2004 , 43, 3200-9	5.1	24
9	Stereoselective synthesis, solution structure and metal complexes of (1S,2S)-2-amino-1-hydroxyalkylphosphonic acids. <i>Tetrahedron: Asymmetry</i> , 2003 , 14, 1837-1845		22
8	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
7	A study on the nickel II-famotidine complexes. <i>Journal of Inorganic Biochemistry</i> , 2002 , 92, 112-20	4.2	19
6	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
5	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
4	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
3	Preparation and Crystal Structure of a Mixed Metal Assembly [Ni(phen) ₃][Cu(H-1pap)] ₂ (NO ₃) ₈ H ₂ O 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

- 2 2-(Hydroxyimino)propanohydroxamic acid, a new effective ligand for aluminium. *Dalton Transactions RSC*, **2000**, 4201-4208 26
- 1 Chelating dihydroxamic acids: study of metal speciation and co-ordination compounds with Ni²⁺ and Cu²⁺. *Dalton Transactions RSC*, **2000**, 4064-4068 35