

Henryk Kozłowski

List of Publications by Year in descending order

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107
papers

3,345
citations

196777

29
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190340

53
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docs citations

109
times ranked

3172
citing authors

#	ARTICLE	IF	CITATIONS
1	Specific Zn(II)-binding site in the C-terminus of Aspf2, a zincophore from <i>Aspergillus fumigatus</i> . <i>Metallomics</i> , 2022, 14, .	1.0	5
2	Peptidomimetics – An infinite reservoir of metal binding motifs in metabolically stable and biologically active molecules. <i>Journal of Inorganic Biochemistry</i> , 2021, 217, 111386.	1.5	4
3	Sometimes less is more – the impact of the number of His residues on the stability of Zn(<i>SCP</i>) – SmtB and BigR4 \pm 5 domain complexes. <i>Dalton Transactions</i> , 2021, 50, 12118-12129.	1.6	1
4	Cyclic Analogs of Desferrioxamine E Siderophore for ^{68}Ga Nuclear Imaging: Coordination Chemistry and Biological Activity in <i>Staphylococcus aureus</i> . <i>Inorganic Chemistry</i> , 2021, 60, 17846-17857.	1.9	8
5	Triplet of cysteines – Coordinational riddle?. <i>Journal of Inorganic Biochemistry</i> , 2020, 204, 110957.	1.5	4
6	General Aspects of Metal Ions as Signaling Agents in Health and Disease. <i>Biomolecules</i> , 2020, 10, 1417.	1.8	33
7	Zinc(II) – The Overlooked – The Rise of Chloroquine – The Fight against COVID-19?. <i>Pharmaceuticals</i> , 2020, 13, 228.	1.7	21
8	Copper(II)-Induced Restructuring of ZnuD, a Zinc(II) Transporter from <i>Neisseria meningitidis</i> . <i>Inorganic Chemistry</i> , 2019, 58, 5932-5942.	1.9	6
9	Pneumococcal HxxHxH triad – Copper(II) interactions – How important is the – x – ?. <i>Inorganica Chimica Acta</i> , 2019, 488, 255-259.	1.2	4
10	How copper ions and membrane environment influence the structure of the human and chicken tandem repeats domain?. <i>Journal of Inorganic Biochemistry</i> , 2019, 191, 143-153.	1.5	5
11	Histidine tracts in human transcription factors: insight into metal ion coordination ability. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 81-90.	1.1	24
12	Impact of histidine spacing on modified polyhistidine tag – Metal ion interactions. <i>Inorganica Chimica Acta</i> , 2018, 472, 119-126.	1.2	21
13	Pneumococcal histidine triads – involved not only in Zn^{2+} , but also Ni^{2+} binding?. <i>Metallomics</i> , 2018, 10, 1631-1637.	1.0	6
14	Preface. <i>Journal of Inorganic Biochemistry</i> , 2016, 163, 229.	1.5	0
15	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, 20850-20858.	1.6	14
16	Thermodynamic and spectroscopic investigation on the role of Met residues in Cull binding to the non-octarepeat site of the human prion protein. <i>Metallomics</i> , 2012, 4, 794.	1.0	22
17	Stability and Structure of Mixed-Ligand Metal Ion Complexes That Contain Ni^{2+} , Cu^{2+} , or Zn^{2+} , and Histamine, as well as Adenosine 5'-Triphosphate (ATP 4 P) or Uridine 5'-Triphosphate (UTP 4 P): An Intricate Network of Equilibria. <i>Chemistry - A European Journal</i> , 2011, 17, 5393-5403.		23
18	An efficient copper(III) catalyst in the four electron reduction of molecular oxygen by l-ascorbic acid. <i>Journal of Molecular Catalysis A</i> , 2011, 334, 77-82.	4.8	6

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19	Unusual Coordination Behaviour of a Phosphonate- and Pyridine-Containing Ligand in a Stable Lanthanide Complex. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1696-1702.	1.0	14
20	New reaction of 1H-pyrazoles with selenium dioxide: one-pot synthesis of bis(1H-pyrazol-4-yl)selenides. <i>Tetrahedron</i> , 2010, 66, 8772-8777.	1.0	14
21	One-Pot Synthesis of a New Magnetically Coupled Heterometallic Cu ₂ Mn ₂ [2 Å– 2] Molecular Grid. <i>Inorganic Chemistry</i> , 2010, 49, 4750-4752.	1.9	47
22	N,N'-Ethylenediaminobis(benzylphosphonic acids) as a potent class of chelators for metal ions. <i>Inorganica Chimica Acta</i> , 2009, 362, 707-713.	1.2	10
23	Efficient Catalytic Phosphate Ester Cleavage by Binuclear Zinc(II) Pyrazolate Complexes as Functional Models of Metallophosphatases. <i>Inorganic Chemistry</i> , 2009, 48, 6960-6971.	1.9	64
24	Structural features of the Zn ²⁺ complex with the single repeat region of a prion related protein (PrP-rel-2) of zebrafish zPrP63-70 fragment. <i>Dalton Transactions</i> , 2009, , 4643.	1.6	8
25	Copper(ii) coordination outside the tandem repeat region of an unstructured domain of chicken prion protein. <i>Molecular BioSystems</i> , 2009, 5, 497.	2.9	16
26	Heteronuclear and Homonuclear Cu ²⁺ and Zn ²⁺ Complexes with Multihistidine Peptides Based on Zebrafish Prion-like Protein. <i>Inorganic Chemistry</i> , 2009, 48, 7330-7340.	1.9	27
27	Comparison of the Acid-Base Properties of Ribose and 2-Deoxyribose Nucleotides. <i>Chemistry - A European Journal</i> , 2008, 14, 6663-6671.	1.7	41
28	Competition between the albumin and three histidine fragment of amyloid precursor protein sites to bind Cu(II). <i>Polyhedron</i> , 2008, 27, 1511-1516.	1.0	6
29	The His-His sequence of the antimicrobial peptide demegen P-113 makes it very attractive ligand for Cu ²⁺ . <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 960-972.	1.5	26
30	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, 1486-1494.	1.5	19
31	Effect of the ribose versus 2-deoxyribose residue on the metal ion-binding properties of purine nucleotides. <i>Dalton Transactions</i> , 2008, , 5368.	1.6	12
32	Synthesis and Structure of [2 Å– 2] Molecular Grid Copper(II) and Nickel(II) Complexes with a New Polydentate Oxime-Containing Schiff Base Ligand. <i>Inorganic Chemistry</i> , 2008, 47, 5656-5665.	1.9	70
33	Binding of Ni ²⁺ and Cu ²⁺ ions to peptides with a Cys-His motif. <i>Dalton Transactions</i> , 2008, , 5323.	1.6	22
34	Structural features of the Cu(ii) complex with the rat A ¹² (1-28) fragment. <i>Chemical Communications</i> , 2008, , 341-343.	2.2	48
35	The whole hexapeptide repeats domain from avian PrP displays untypical hallmarks in aspect of the Cu ²⁺ complexes formation. <i>FEBS Letters</i> , 2007, 581, 4544-4548.	1.3	21
36	Bis(3,5-dimethyl-1H-pyrazolyl)selenide a new bidentate bent connector for preparation of 1D and 2D co-ordination polymers. <i>Dalton Transactions</i> , 2007, , 3183-3194.	1.6	34

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37	New Heterocyclic Mono- and Bis(β -hydroxymethyl)phosphinic Acids: Synthesis and Cu Binding Abilities. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 3539-3546.	1.2	18
38	Coordination abilities of difunctional, diamino-phosphonic acid and its dipeptides towards Cu(II) ions. <i>Polyhedron</i> , 2007, 26, 4287-4293.	1.0	12
39	Specific interactions of metal ions with Cys-Xaa-Cys unit inserted into the peptide sequence. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 1699-1706.	1.5	22
40	Solution studies of some new oxamides – Co-ordination behaviour towards Cu(II) ions. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 1505-1516.	1.5	5
41	Coordination ability of trans-cyclohexane-1,2-diamine-N,N,N',N'-tetrakis(methylenephosphonic acid) towards lanthanide(III) ions. <i>Dalton Transactions</i> , 2006, , 4384-4394.	1.6	26
42	Efficient stabilization of copper(III) in tetraaza pseudo-macrocyclic oxime-and-hydrazide ligands with adjustable cavity size. <i>Chemical Communications</i> , 2006, , 4125-4127.	2.2	54
43	Interesting coordination abilities of antulcer drug famotidine and antimicrobial activity of drug and its cobalt(III) complex. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 1568-1574.	1.5	73
44	Synthesis of thiazole aminophosphine oxides, aminophosphonic and aminophosphinic acids and Cu(II) binding abilities of thiazole aminophosphonic acids. <i>Tetrahedron</i> , 2006, 62, 2183-2189.	1.0	35
45	Molecular structure study of dimethoxyphenyl-substituted phosphonodipeptides by infrared, Raman, and surface enhanced Raman spectroscopies. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 574-584.	1.2	11
46	Interaction of Na(I), Ni(II) and Cu(II) with 2-cyano-2-(hydroxyimino)acetic acid: Spectroscopic and theoretical studies. <i>Polyhedron</i> , 2005, 24, 1175-1184.	1.0	18
47	Chemical and biological aspects of Cu ²⁺ interactions with peptides and aminoglycosides. <i>Coordination Chemistry Reviews</i> , 2005, 249, 2323-2334.	9.5	151
48	Copper-ion interaction with the 106-113 domain of the prion protein: a solution-equilibria study on model peptides. <i>Dalton Transactions</i> , 2005, , 2876.	1.6	24
49	Fine tuning the structure of the Cu ²⁺ complex with the prion protein chicken repeat by proline isomerization. <i>Chemical Communications</i> , 2005, , 3298.	2.2	12
50	Effect of metal ionic radius and chelate ring alternation motif on stabilization of trivalent nickel and copper in binuclear complexes with double cis-oximate bridges. <i>Dalton Transactions</i> , 2005, , 1428-1437.	1.6	46
51	New solid state Ni(II)-famotidine square-planar complex: powder diffraction and spectroscopic studies. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 995-1001.	1.5	12
52	Experimental and theoretical NMR study of selected oxocarboxylic acid oximes. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 23-29.	1.1	17
53	Copper Binding to the Neurotoxic Peptide PrP106-126: Thermodynamic and Structural Studies. <i>ChemBioChem</i> , 2004, 5, 349-359.	1.3	63
54	Coordination abilities of substituted β^2 -aminophosphonates towards Cu ²⁺ and Zn ²⁺ ions. <i>Inorganica Chimica Acta</i> , 2004, 357, 1632-1636.	1.2	25

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55	Formation equilibria of nickel complexes with glycyl-histidyl-lysine and two synthetic analogues. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 153-160.	1.5	12
56	Interactions of Cu ²⁺ ions with chicken prion tandem repeats. <i>Dalton Transactions</i> , 2004, , 2102-2107.	1.6	45
57	Cull Ion Coordination to an Unprotected Pentadecapeptide Containing Two His Residues: Competition Between the Terminal Amino and the Side-Chain Imidazole Nitrogen Donors. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 1694-1702.	1.0	10
58	Infrared absorption spectra of 2-(hydroxyimino)propanohydroxamic and oxalodihydroxamic acids isolated in argon matrices. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 2337-2343.	1.3	11
59	Cu(ii) ion coordination to SPARC: a model study on short peptide fragments. <i>New Journal of Chemistry</i> , 2003, 27, 245-250.	1.4	18
60	Unusual gain in the coordination ability of vasopressin-like peptides towards Cu ²⁺ ions by insertion of the highly hydrophobic side chain. <i>New Journal of Chemistry</i> , 2003, 27, 251-256.	1.4	12
61	The possible role of Gly residues in the prion octarepeat region in the coordination of Cu ²⁺ ions. <i>Dalton Transactions</i> , 2003, , 619-624.	1.6	20
62	Structure and Dynamics of the Lincomycin~Copper(II) Complex in Water Solution by ¹ H and ¹³ C NMR Studies. <i>Inorganic Chemistry</i> , 2002, 41, 1518-1522.	1.9	13
63	The binding of Ni(ii) and Cu(ii) with the N-terminal tail of the histone H4. <i>Dalton Transactions RSC</i> , 2002, , 458-465.	2.3	31
64	Cu(ii) ion coordination to the pentadecapeptide model of the SPARC copper-binding site. <i>Dalton Transactions RSC</i> , 2002, , 3939.	2.3	26
65	Spectroscopic and potentiometric study of the SOD mimic system copper(II)/acetyl-L-histidylglycyl-L-histidylglycine. <i>Journal of Inorganic Biochemistry</i> , 2002, 89, 181-190.	1.5	54
66	Copper and nickel complex-formation equilibria with Lys~Gly~His~Lys, a fragment of the matricellular protein SPARC. <i>Polyhedron</i> , 2002, 21, 1469-1474.	1.0	29
67	A study on the nickel(II)-famotidine complexes. <i>Journal of Inorganic Biochemistry</i> , 2002, 92, 112-120.	1.5	20
68	Copper complexes of glycyl-histidyl-lysine and two of its synthetic analogues: chemical behaviour and biological activity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2001, 1526, 199-210.	1.1	45
69	Molecular Mechanism of Hydrogen Peroxide Conversion and Activation by Cu(II)-Amikacin Complexes. <i>Chemical Research in Toxicology</i> , 2001, 14, 1353-1362.	1.7	23
70	Impact of Cu(II) and Ni(II) on a structure of chiral peptide nucleic acids having four, six and eight thymines in a peptide side chain. <i>Journal of Inorganic Biochemistry</i> , 2001, 85, 79-87.	1.5	13
71	Ni(II) complexes of dipeptides: a thermodynamic and spectroscopic study. <i>Polyhedron</i> , 2001, 20, 615-621.	1.0	13
72	Coordination of heavy metals by dithiothreitol, a commonly used thiol group protectant. <i>Journal of Inorganic Biochemistry</i> , 2001, 84, 77-88.	1.5	188

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73	Methylphosphonate, hydroxymethylphosphonate and aminomethylphosphonate ligands containing pyridine, pyrazole or imidazole side chains: the coordination abilities towards Cu(II) ions. <i>Inorganica Chimica Acta</i> , 2000, 303, 47-53.	1.2	30
74	Copper complexes of dipeptides with l-Lys as C-terminal residue: a thermodynamic and spectroscopic study. <i>Polyhedron</i> , 2000, 19, 2409-2419.	1.0	20
75	Preparation and Crystal Structure of a Mixed Metal Assembly [Ni(phen) ₃][Cu(H ₂ O) ₂ (NO ₃) 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.	0.3	5
76	Copper(II) complexation by human and mouse fragments (11-16) of β -amyloid peptide. <i>Dalton Transactions RSC</i> , 2000, , 4511-4519.	2.3	62
77	Chiral peptide nucleic acids having thymine and adenine in their side chain as specific ligands for NiII and CuII. <i>Dalton Transactions RSC</i> , 2000, , 2639-2644.	2.3	12
78	How the β -hydroxymethylserine residue stabilizes oligopeptide complexes with nickel(II) and copper(II) ions. <i>Dalton Transactions RSC</i> , 2000, , 1033-1038.	2.3	28
79	Crystal and Molecular Structure of Two Tetradentate Oxime-and-Amide-Ligands. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1999, 54, 456-460.	0.3	1
80	Specific structure-stability relations in metallopeptides. <i>Coordination Chemistry Reviews</i> , 1999, 184, 319-346.	9.5	424
81	Introduction of β -hydroxymethylserine residues in a peptide sequence results in the strongest peptidic, albumin-like, copper(II) chelator known to date. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 109-110.	1.1	19
82	Impact of β -hydroxymethylserine (HmS) residue on the binding ability of the histidyl residue in the HmS-His dipeptide towards CuI, NiII and ZnII. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3673-3677.	1.1	12
83	N-Bonding of the hydroxamic function in nickel(II) and copper(II) complexes with 2-(hydroxyimino)propanohydroxamic acid. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 743-750.	1.1	38
84	Copper(II) binding to tobramycin: potentiometric and spectroscopic studies. <i>Carbohydrate Research</i> , 1998, 313, 265-269.	1.1	36
85	How non-bonding amino acid side-chains may enormously increase the stability of a Cu(II) peptide complex. <i>Inorganica Chimica Acta</i> , 1998, 283, 1-11.	1.2	47
86	Heavy metals in human hair and teeth. <i>Biological Trace Element Research</i> , 1998, 62, 213-228.	1.9	45
87	Template synthesis of square-planar nickel(II) and copper(III) complexes based on hydrazide ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 3269-3274.	1.1	55
88	Copper(II) and nickel(II) complexes with oxime analogues of amino acids. Potentiometric, spectroscopic and X-ray studies of complexes with 2-cyano-2-(hydroxyimino)acetic acid and its ethane-1,2-diamine derivative. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 1863-1868.	1.1	18
89	Co-ordination ability of novel tetradentate amide-and-oxime ligands: differential binding to CuII and NiII. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 3629-3634.	1.1	12
90	Reduction mechanisms for Ni(II) complexes with diamino acids and histidine at a dropping mercury electrode. <i>Journal of Coordination Chemistry</i> , 1997, 42, 197-205.	0.8	5

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91	Biologically active pyridine mono- and bis-phosphonates: efficient ligands for co-ordination of Cu ²⁺ ions. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 973-976.	1.1	38
92	Co-ordination of copper(II) and nickel(II) ions by a novel open chain oxime ligand. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 3853-3860.	1.1	29
93	Co-ordination ability of amino acid oximes. Potentiometric, spectroscopic and structural studies of complexes of 2-cyano-2-(hydroxyimino)acetamide. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 273-276.	1.1	30
94	Specific binding of Cu ²⁺ and Ni ²⁺ ions by thioamide analogs of tetraalanine. <i>Journal of Inorganic Biochemistry</i> , 1997, 66, 45-49.	1.5	6
95	Co-ordination of copper(II) ions by prolyl- β , γ -dehydroamino acids: comparative studies and general considerations. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 3265-3268.	1.1	8
96	Copper(II) Co-ordination by oxime analogues of amino acids and peptides. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 3911-3915.	1.1	32
97	Histamine H ₂ antagonists: powerful ligands for copper(II). Reinterpretation of the famotidine-copper(II) system. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 2909-2913.	1.1	15
98	BINDING ABILITY OF OXINE-LIKE LIGANDS. POTENTIOMETRIC AND POLAROGRAPHIC STUDY ON Ni(II), Co(II), Zn(II) AND Cd(II) COMPLEXES OF 9-HYDROXYPYRIDO(1,2- β)PYRIMIDIN-4-ONE. <i>Journal of Coordination Chemistry</i> , 1993, 30, 283-291.	0.8	7
99	COPPER(II) COMPLEXATION BY 1,4-DIAMINO-2,3-BUTANEDIOL AND ITS 2,3-DIASTEREOISOMER. SPECTROSCOPIC AND POTENTIOMETRIC STUDIES. <i>Journal of Coordination Chemistry</i> , 1993, 30, 215-219.	0.8	5
100	Famotidine, the new antiulcero-genic agent, a potent ligand for metal ions. <i>Journal of Inorganic Biochemistry</i> , 1992, 48, 233-240.	1.5	15
101	Hydroxamic and aminohydroxamic acids and their complexes with metal ions. <i>Coordination Chemistry Reviews</i> , 1992, 114, 169-200.	9.5	244
102	Stability and structure of copper(II) complexes with 2-amino-2-deoxy-d-mannose and some derivatives thereof. <i>Carbohydrate Research</i> , 1990, 197, 109-117.	1.1	54
103	X-ray evidence for the lysyl lateral amine group coordination in the (L-Lysyl-L-tyrosine)Cu(II)·2H ₂ O complex. <i>Inorganica Chimica Acta</i> , 1989, 159, 111-114.	1.2	18
104	Potentiometric and spectroscopic study of copper(II), nickel(II) and cobalt(II) complexation by methoxy-D-glucosamine. <i>Inorganica Chimica Acta</i> , 1987, 138, 5-8.	1.2	26
105	Conformational studies of 3-amino-3-phosphonatopropionic acid. ¹ H and ³¹ P coupling constants. <i>Magnetic Resonance in Chemistry</i> , 1980, 14, 431-433.	0.7	6
106	New copper(III) complexes with methionine. <i>Inorganica Chimica Acta</i> , 1979, 34, L231-L233.	1.2	14
107	Copper(II) complexes with methionine containing dipeptides. The metal methionine sulphur bond formation at low temperatures. <i>Inorganic and Nuclear Chemistry Letters</i> , 1978, 14, 201-205.	0.7	8