

Wojciech Bal

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.

187
papers

6,839
citations

47
h-index

75
g-index

202
ext. papers

7,594
ext. citations

5.1
avg, IF

5.88
L-index

#	Paper	IF	Citations
187	Structures of Silver Fingers and a Pathway to Their Genotoxicity.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	2
186	Ni-Assisted Hydrolysis May Affect the Human Proteome; Filaggrin Degradation as an Example of Possible Consequences.. <i>Frontiers in Molecular Biosciences</i> , 2022 , 9, 828674	5.6	1
185	Ternary Cu Complexes of Human Serum Albumin and Glycyl-L-histidyl-L-lysine. <i>Inorganic Chemistry</i> , 2021 , 60, 16927-16931	5.1	2
184	Electrospray-Induced Mass Spectrometry Is Not Suitable for Determination of Peptidic Cu(II) Complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 2766-2776	3.5	4
183	Intermediate Cu(II)-Thiolate Species in the Reduction of Cu(II)GHK by Glutathione: A Handy Chelate for Biological Cu(II) Reduction. <i>Inorganic Chemistry</i> , 2021 , 60, 18048-18057	5.1	2
182	Incorporation of Alanine in Cu(II) ATCUN Peptide Complexes Increases ROS Levels, DNA Cleavage and Antiproliferative Activity*. <i>Chemistry - A European Journal</i> , 2021 , 27, 18093	4.8	1
181	Reproducibility and accuracy of microscale thermophoresis in the NanoTemper Monolith: a multi laboratory benchmark study. <i>European Biophysics Journal</i> , 2021 , 50, 411-427	1.9	5
180	The Aggregation Pattern of Aβs Altered by the Presence of N-Truncated Aβ and/or Cu in a Similar Way through Ionic Interactions. <i>Chemistry - A European Journal</i> , 2021 , 27, 2798-2809	4.8	5
179	Cirrhotic Liver of Liver Transplant Recipients Accumulate Silver and Co-Accumulate Copper. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
178	Copper(ii) complex of N-truncated amyloid-β peptide bearing a His-2 motif as a potential receptor for phosphate anions. <i>Dalton Transactions</i> , 2021 , 50, 2726-2730	4.3	1
177	Peptide bond cleavage in the presence of Ni-containing particles. <i>Metallomics</i> , 2020 , 12, 649-653	4.5	0
176	Key Intermediate Species Reveal the Copper(II)-Exchange Pathway in Biorelevant ATCUN/NTS Complexes. <i>Angewandte Chemie</i> , 2020 , 132, 11330-11335	3.6	2
175	Hierarchical binding of copper to N-truncated Aβ peptide. <i>Metallomics</i> , 2020 , 12, 470-473	4.5	8
174	Copper Transporters? Glutathione Reactivity of Products of Cu-Aβ Digestion by Neprilysin. <i>Inorganic Chemistry</i> , 2020 , 59, 4186-4190	5.1	7
173	Stochastic or Not? Method To Predict and Quantify the Stochastic Effects on the Association Reaction Equilibria in Nanoscopic Systems. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 1421-1428	2.8	8
172	Key Intermediate Species Reveal the Copper(II)-Exchange Pathway in Biorelevant ATCUN/NTS Complexes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11234-11239	16.4	16
171	Formation of highly stable multinuclear AgS clusters in zinc fingers disrupts their structure and function. <i>Chemical Communications</i> , 2020 , 56, 1329-1332	5.8	10

170	Peptide Bond Cleavage by Ni(II) Ions within the Nuclear Localization Signal Sequence. <i>Chemistry and Biodiversity</i> , 2020 , 17, e1900652	2.5	2
169	Exploration of the Potential Role for Aβ ₁₋₄₀ Delivery of Extracellular Copper to Ctr1. <i>Inorganic Chemistry</i> , 2020 , 59, 16952-16966	5.1	3
168	Ternary Cu(II) Complex with GHK Peptide and γ -Urocanic Acid as a Potential Physiologically Functional Copper Chelate. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	9
167	Aβ ₁₋₄₀ Peptides: N-Terminal Truncation Yields Tunable Cu(II) Complexes. <i>Inorganic Chemistry</i> , 2020 , 59, 14000-14014	5.1	14
166	The Reactions of HO and GSNO with the Zinc Finger Motif of XPA. Not A Regulatory Mechanism, But No Synergy with Cadmium Toxicity. <i>Molecules</i> , 2020 , 25,	4.8	3
165	The Palladium(II) Complex of Aβ ₁₋₄₀ as Suitable Model for Structural Studies of Biorelevant Copper(II) Complexes of N-Truncated Beta-Amyloids. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
164	The Sub-picomolar Cu Dissociation Constant of Human Serum Albumin. <i>ChemBioChem</i> , 2020 , 21, 331-334	3.8	24
163	Nuclear translocation of silver ions and hepatocyte nuclear receptor impairment upon exposure to silver nanoparticles. <i>Environmental Science: Nano</i> , 2020 , 7, 1373-1387	7.1	8
162	Triggering Cu-coordination change in Cu(ii)-Ala-His-His by external ligands. <i>Chemical Communications</i> , 2019 , 55, 8110-8113	5.8	7
161	Cu Binding Properties of N-Truncated Aβ ₁₋₄₀ Peptides: In Search of Biological Function. <i>Inorganic Chemistry</i> , 2019 , 58, 13561-13577	5.1	23
160	His6, His13, and His14 residues in Aβ ₁₋₄₀ peptide significantly and specifically affect oligomeric equilibria. <i>Scientific Reports</i> , 2019 , 9, 9449	4.9	5
159	Ternary Zn(II) Complexes of Fluorescent Zinc Probes Zinpyr-1 and Zinbo-5 with the Low Molecular Weight Component of Exchangeable Cellular Zinc Pool. <i>Inorganic Chemistry</i> , 2019 , 58, 14741-14751	5.1	3
158	Coordinative unsaturated Cu entities are crucial intermediates governing cell internalization of copper. A combined experimental ESI-MS and DFT study. <i>Metallomics</i> , 2019 , 11, 1800-1804	4.5	7
157	Oligopeptides Generated by Neprilysin Degradation of Aβ ₁₋₄₀ Have the Highest Cu(II) Affinity in the Whole Aβ ₁₋₄₂ Family. <i>Inorganic Chemistry</i> , 2019 , 58, 932-943	5.1	15
156	N-Terminal Cu-Binding Motifs (Xxx-Zzz-His, Xxx-His) and Their Derivatives: Chemistry, Biology and Medicinal Applications. <i>Chemistry - A European Journal</i> , 2018 , 24, 8029-8041	4.8	67
155	The Cu(II) affinity of the N-terminus of human copper transporter CTR1: Comparison of human and mouse sequences. <i>Journal of Inorganic Biochemistry</i> , 2018 , 182, 230-237	4.2	18
154	The N-terminus of hepcidin is a strong and potentially biologically relevant Cu(II) chelator. <i>Inorganica Chimica Acta</i> , 2018 , 472, 76-81	2.7	15
153	Nickel(ii)-promoted specific hydrolysis of zinc finger proteins. <i>Metallomics</i> , 2018 , 10, 1089-1098	4.5	5

152	Ternary Zn(II) Complexes of FluoZin-3 and the Low Molecular Weight Component of the Exchangeable Cellular Zinc Pool. <i>Inorganic Chemistry</i> , 2018 , 57, 9826-9838	5.1	13
151	Cu transfer from amyloid- β to metallothionein-3: the role of the neurotransmitter glutamate and metallothionein-3 Zn(ii)-load states. <i>Chemical Communications</i> , 2018 , 54, 12634-12637	5.8	14
150	The N-terminal 14-mer model peptide of human Ctr1 can collect Cu(ii) from albumin. Implications for copper uptake by Ctr1. <i>Metallomics</i> , 2018 , 10, 1723-1727	4.5	23
149	Gly-His-Thr-Asp-Amide, an Insulin-Activating Peptide from the Human Pancreas Is a Strong Cu(II) but a Weak Zn(II) Chelator. <i>Inorganic Chemistry</i> , 2018 , 57, 15507-15516	5.1	9
148	Interplay between Copper, Neprilysin, and N-Truncation of β -Amyloid. <i>Inorganic Chemistry</i> , 2018 , 57, 6193-6197	5.1	24
147	Copper(II) Complexes with ATCUN Peptide Analogues: Studies on Redox Activity in Different Solutions. <i>Journal of the Electrochemical Society</i> , 2017 , 164, G77-G81	3.9	13
146	Dysregulated Zn homeostasis impairs cardiac type-2 ryanodine receptor and mitsugumin 23 functions, leading to sarcoplasmic reticulum Ca leakage. <i>Journal of Biological Chemistry</i> , 2017 , 292, 13361-13373	5.4	13
145	Numerical Simulations Reveal Randomness of Cu(II) Induced A β Peptide Dimerization under Conditions Present in Glutamatergic Synapses. <i>PLoS ONE</i> , 2017 , 12, e0170749	3.7	14
144	Cysteine and glutathione trigger the Cu-Zn swap between Cu(ii)-amyloid- β peptide and Zn-metallothionein-3. <i>Chemical Communications</i> , 2017 , 53, 11634-11637	5.8	18
143	Cu(II) Binding to the Peptide Ala-His-His, a Chimera of the Canonical Cu(II)-Binding Motifs Xxx-His and Xxx-Zzz-His. <i>Inorganic Chemistry</i> , 2017 , 56, 14870-14879	5.1	17
142	The novel compound PBT434 prevents iron mediated neurodegeneration and alpha-synuclein toxicity in multiple models of Parkinson's disease. <i>Acta Neuropathologica Communications</i> , 2017 , 5, 53	7.3	57
141	Tuning the Redox Properties of Copper(II) Complexes with Amyloid- β Peptides. <i>Journal of the Electrochemical Society</i> , 2016 , 163, G196-G199	3.9	20
140	Copper Exchange and Redox Activity of a Prototypical 8-Hydroxyquinoline: Implications for Therapeutic Chelation. <i>Inorganic Chemistry</i> , 2016 , 55, 7317-9	5.1	19
139	Metal assisted peptide bond hydrolysis: Chemistry, biotechnology and toxicological implications. <i>Coordination Chemistry Reviews</i> , 2016 , 327-328, 166-187	23.2	32
138	Selenocysteine containing analogues of Atx1-based peptides protect cells from copper ion toxicity. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 6979-84	3.9	3
137	Filaggrin inhibits generation of CD1a neolipid antigens by house dust mite-derived phospholipase. <i>Science Translational Medicine</i> , 2016 , 8, 325ra18	17.5	56
136	Unbound position II in MXCXXC metallochaperone model peptides impacts metal binding mode and reactivity: Distinct similarities to whole proteins. <i>Journal of Inorganic Biochemistry</i> , 2016 , 159, 29-36	4.2	9
135	Revisiting Mitochondrial pH with an Improved Algorithm for Calibration of the Ratiometric 5(6)-carboxy-SNARF-1 Probe Reveals Anticooperative Reaction with H ⁺ Ions and Warrants Further Studies of Organellar pH. <i>PLoS ONE</i> , 2016 , 11, e0161353	3.7	12

134	Resistance of Cu(A β -16) to Copper Capture by Metallothionein-3 Supports a Function for the A β -42 Peptide as a Synaptic Cull Scavenger. <i>Angewandte Chemie</i> , 2016 , 128, 8375-8378	3.6	6
133	Resistance of Cu(A β -16) to Copper Capture by Metallothionein-3 Supports a Function for the A β -42 Peptide as a Synaptic Cu(II) Scavenger. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8235-8	16.4	42
132	On the ability of CuA β -x peptides to form ternary complexes: Neurotransmitter glutamate is a competitor while not a ternary partner. <i>Journal of Inorganic Biochemistry</i> , 2016 , 158, 5-10	4.2	6
131	Revised stability constant, spectroscopic properties and binding mode of Zn(II) to FluoZin-3, the most common zinc probe in life sciences. <i>Journal of Inorganic Biochemistry</i> , 2016 , 161, 107-14	4.2	19
130	Cu(II) complexation does not affect oxytocin action on pregnant human myometrium in vitro. <i>Reproductive Toxicology</i> , 2016 , 59, 60-5	3.4	2
129	Interactions of PFactor-1, a Yeast Pheromone, and Its Analogue with Copper(II) Ions and Low-Molecular-Weight Ligands Yield Very Stable Complexes. <i>Inorganic Chemistry</i> , 2016 , 55, 7829-31	5.1	14
128	Unusual Zn(II) Affinities of Zinc Fingers of Poly(ADP-ribose)Polymerase 1 (PARP-1) Nuclear Protein. <i>Chemical Research in Toxicology</i> , 2015 , 28, 191-201	4	11
127	Ni(II) ions cleave and inactivate human alpha-1 antitrypsin hydrolytically, implicating nickel exposure as a contributing factor in pathologies related to antitrypsin deficiency. <i>Metallomics</i> , 2015 , 7, 596-604	4.5	9
126	13 Genotoxicity of Metal Ions: Chemical Insights 2015 , 319-374		
125	A Functional Role for A β in Metal Homeostasis? N-Truncation and High-Affinity Copper Binding. <i>Angewandte Chemie</i> , 2015 , 127, 10606-10610	3.6	17
124	A Functional Role for A β in Metal Homeostasis? N-Truncation and High-Affinity Copper Binding. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10460-4	16.4	75
123	Coordination properties of dithiobutylamine (DTBA), a newly introduced protein disulfide reducing agent. <i>Inorganic Chemistry</i> , 2015 , 54, 596-606	5.1	16
122	Human annexins A1, A2, and A8 as potential molecular targets for Ni(II) ions. <i>Chemical Research in Toxicology</i> , 2014 , 27, 1996-2009	4	13
121	Sequence-specific Cu(II)-dependent peptide bond hydrolysis: similarities and differences with the Ni(II)-dependent reaction. <i>Inorganic Chemistry</i> , 2014 , 53, 4639-46	5.1	11
120	cis-Urocanic acid as a potential nickel(II) binding molecule in the human skin. <i>Dalton Transactions</i> , 2014 , 43, 3196-201	4.3	15
119	Dual catalytic role of the metal ion in nickel-assisted peptide bond hydrolysis. <i>Journal of Inorganic Biochemistry</i> , 2014 , 136, 107-14	4.2	9
118	Factors influencing compact-extended structure equilibrium in oligomers of a β -40 peptide--an ion mobility mass spectrometry study. <i>Journal of Molecular Biology</i> , 2014 , 426, 2871-85	6.5	33
117	The impact of synthetic analogs of histidine on copper(II) and nickel(II) coordination properties to an albumin-like peptide. Possible leads towards new metallodrugs. <i>Journal of Inorganic Biochemistry</i> , 2014 , 139, 1-8	4.2	4

116	Atomic resolution structure of a protein prepared by non-enzymatic His-tag removal. Crystallographic and NMR study of GmSPI-2 inhibitor. <i>PLoS ONE</i> , 2014 , 9, e106936	3.7	7
115	Binding of transition metal ions to albumin: sites, affinities and rates. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 5444-55	4	262
114	Ternary complex formation and competition quench fluorescence of ZnAF family zinc sensors. <i>Metallomics</i> , 2013 , 5, 1483-90	4.5	18
113	Revised coordination model and stability constants of Cu(II) complexes of tris buffer. <i>Inorganic Chemistry</i> , 2013 , 52, 13927-33	5.1	39
112	Cu(II) complex formation by ACES buffer. <i>Journal of Inorganic Biochemistry</i> , 2013 , 129, 58-61	4.2	11
111	Cu(II) affinity for the Alzheimer's peptide: tyrosine fluorescence studies revisited. <i>Analytical Chemistry</i> , 2013 , 85, 1501-8	7.8	120
110	Sequence-specific Ni(II)-dependent peptide bond hydrolysis for protein engineering: active sequence optimization. <i>Journal of Inorganic Biochemistry</i> , 2013 , 127, 99-106	4.2	11
109	Mixed ligand Cu ²⁺ complexes of a model therapeutic with Alzheimer's amyloid- β peptide and monoamine neurotransmitters. <i>Inorganic Chemistry</i> , 2013 , 52, 4303-18	5.1	51
108	Selective control of Cu(II) complex stability in histidine peptides by β -alanine. <i>Journal of Inorganic Biochemistry</i> , 2013 , 119, 85-9	4.2	20
107	Effect of D-amino acid substitutions on Ni(II)-assisted peptide bond hydrolysis. <i>Inorganic Chemistry</i> , 2013 , 52, 2422-31	5.1	15
106	Thermodynamic study of Cu ²⁺ binding to the DAHK and GHK peptides by isothermal titration calorimetry (ITC) with the weaker competitor glycine. <i>Journal of Biological Inorganic Chemistry</i> , 2012 , 17, 37-47	3.7	81
105	Affinity of copper and zinc ions to proteins and peptides related to neurodegenerative conditions (A β APP, β synuclein, PrP). <i>Coordination Chemistry Reviews</i> , 2012 , 256, 2297-2307	23.2	105
104	Application of Ni(II)-assisted peptide bond hydrolysis to non-enzymatic affinity tag removal. <i>PLoS ONE</i> , 2012 , 7, e36350	3.7	22
103	Oxidative stress level in the testes of mice and rats during nickel intoxication. <i>Scientific World Journal, The</i> , 2012 , 2012, 395741	2.2	12
102	The final frontier of pH and the undiscovered country beyond. <i>PLoS ONE</i> , 2012 , 7, e45832	3.7	23
101	The C2H2 zinc finger transcription factors are likely targets for Ni(II) toxicity. <i>Metallomics</i> , 2011 , 3, 1227-35	3.5	15
100	Zn(II) complexes of glutathione disulfide: structural basis of elevated stabilities. <i>Inorganic Chemistry</i> , 2011 , 50, 72-85	5.1	30
99	Selective peptide bond hydrolysis of cysteine peptides in the presence of Ni(II) ions. <i>Journal of Inorganic Biochemistry</i> , 2011 , 105, 10-6	4.2	24

98	Salivary histatin-5, a physiologically relevant ligand for Ni(II) ions. <i>Journal of Inorganic Biochemistry</i> , 2011 , 105, 1220-5	4.2	16
97	Genotoxicity of metal ions: chemical insights. <i>Metal Ions in Life Sciences</i> , 2011 , 8, 319-73	2.6	7
96	Effect of common buffers and heterocyclic ligands on the binding of Cu(II) at the multimetal binding site in human serum albumin. <i>Bioinorganic Chemistry and Applications</i> , 2010 , 725153	4.2	10
95	Recent Advances in Molecular Toxicology of Cadmium and Nickel. <i>Advances in Molecular Toxicology</i> , 2010 , 4, 85-126	0.4	9
94	Sequence-specific Ni(II)-dependent peptide bond hydrolysis for protein engineering. Combinatorial library determination of optimal sequences. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3355-66	16.4	55
93	A direct determination of the dissociation constant for the Cu(II) complex of amyloid beta 1-40 peptide. <i>Chemical Research in Toxicology</i> , 2010 , 23, 336-40	4	51
92	The Cu(II)/Abeta/human serum albumin model of control mechanism for copper-related amyloid neurotoxicity. <i>Chemical Research in Toxicology</i> , 2010 , 23, 298-308	4	40
91	Sequence-specific Ni(II)-dependent peptide bond hydrolysis for protein engineering: reaction conditions and molecular mechanism. <i>Inorganic Chemistry</i> , 2010 , 49, 6636-45	5.1	55
90	Biophysical analysis of the interaction of toxic metal ions and oxidants with the zinc finger domain of XPA. <i>Methods in Molecular Biology</i> , 2010 , 649, 399-410	1.4	13
89	13:Genotoxicity of Metal Ions: Chemical Insights. <i>Metal Ions in Life Sciences</i> , 2010 , 319-373		5
88	Spectroscopic and thermodynamic determination of three distinct binding sites for Co(II) ions in human serum albumin. <i>Journal of Inorganic Biochemistry</i> , 2009 , 103, 1005-13	4.2	68
87	Physiological levels of glutathione enhance Zn(II) binding by a Cys4 zinc finger. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 389, 265-8	3.4	15
86	The Cu(II) complex of Abeta40 peptide in ammonium acetate solutions. Evidence for ternary species formation. <i>Chemical Communications</i> , 2009 , 1374-6	5.8	26
85	Monomethylarsonous acid destroys a tetrathiolate zinc finger much more efficiently than inorganic arsenite: mechanistic considerations and consequences for DNA repair inhibition. <i>Chemical Research in Toxicology</i> , 2008 , 21, 600-6	4	72
84	Overexpression of phytochelatin synthase in tobacco: distinctive effects of AtPCS1 and CePCS genes on plant response to cadmium. <i>Journal of Experimental Botany</i> , 2008 , 59, 2205-19	7	97
83	Comparative studies of coordination properties of puromycin and puromycin aminonucleoside towards copper(II) ions. <i>Journal of Inorganic Biochemistry</i> , 2008 , 102, 46-52	4.2	1
82	Reaction of the XPA zinc finger with S-nitrosoglutathione. <i>Chemical Research in Toxicology</i> , 2008 , 21, 386-92	4	16
81	A diadenosine 5',5''-P1P4 tetraphosphate (Ap4A) hydrolase from Arabidopsis thaliana that is activated preferentially by Mn ²⁺ ions.. <i>Acta Biochimica Polonica</i> , 2008 , 55, 151-160	2	12

80	Quantitative electrospray ionization mass spectrometry of zinc finger oxidation: the reaction of XPA zinc finger with H ₂ O ₂ . <i>Analytical Biochemistry</i> , 2007 , 369, 226-31	3.1	17
79	Ap4A is not an efficient Zn(II) binding agent. A concerted potentiometric, calorimetric and NMR study. <i>Journal of Inorganic Biochemistry</i> , 2007 , 101, 758-63	4.2	5
78	Human serum albumin coordinates Cu(II) at its N-terminal binding site with 1 pM affinity. <i>Journal of Biological Inorganic Chemistry</i> , 2007 , 12, 913-8	3.7	120
77	The binding constant for amyloid Aβ ₄₀ peptide interaction with human serum albumin. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 364, 714-8	3.4	52
76	A zinc-finger like metal binding site in the nucleosome. <i>FEBS Letters</i> , 2007 , 581, 1409-16	3.8	11
75	Effects of simultaneous expression of heterologous genes involved in phytochelatin biosynthesis on thiol content and cadmium accumulation in tobacco plants. <i>Journal of Experimental Botany</i> , 2006 , 57, 2173-82	7	82
74	Damage of zinc fingers in DNA repair proteins, a novel molecular mechanism in carcinogenesis. <i>Toxicology Letters</i> , 2006 , 162, 29-42	4.4	184
73	Sequence-specific Ni(II)-dependent peptide bond hydrolysis in a peptide containing threonine and histidine residues. <i>Acta Biochimica Polonica</i> , 2006 , 53, 721-727	2	31
72	Sequence-specific Ni(II)-dependent peptide bond hydrolysis in a peptide containing threonine and histidine residues. <i>Acta Biochimica Polonica</i> , 2006 , 53, 721-7	2	5
71	Oxidative reactivity of Cu-TESHK- and its alanine analogues. <i>Dalton Transactions</i> , 2005 , 1985-8	4.3	3
70	Modeling of Biological Ligand Binding 2005 , 728-736		
69	Determination of the stability constants and oxidation susceptibility of nickel(II) complexes with 2'-deoxyguanosine 5'-triphosphate and L-histidine. <i>Journal of Inorganic Biochemistry</i> , 2005 , 99, 737-46	4.2	14
68	Interactions of transition metal ions with His-containing peptide models of histone H2A. <i>Journal of Molecular Liquids</i> , 2005 , 118, 119-129	6	23
67	Cu(II) complexation by "non-coordinating" N-2-hydroxyethylpiperazine-N'-2-ethanesulfonic acid (HEPES buffer). <i>Journal of Inorganic Biochemistry</i> , 2005 , 99, 1653-60	4.2	98
66	Overexpression of genes involved in phytochelatin biosynthesis in <i>Escherichia coli</i> : effects on growth, cadmium accumulation and thiol level. <i>Acta Biochimica Polonica</i> , 2005 , 52, 109-116	2	10
65	Interactions of Zn(II) ions with three His-containing peptide models of histone H2A. <i>Bioinorganic Chemistry and Applications</i> , 2004 , 2, 125-40	4.2	12
64	Interaction of selenium compounds with zinc finger proteins involved in DNA repair. <i>FEBS Journal</i> , 2004 , 271, 3190-9		67
63	Redox modifications of the C-terminal cysteine residue cause structural changes in S100A1 and S100B proteins. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2004 , 1742, 191-201	4.9	44

62	Studies of zinc(II) and nickel(II) complexes of GSH, GSSG and their analogs shed more light on their biological relevance. <i>Bioinorganic Chemistry and Applications</i> , 2004 , 2, 293-305	4.2	46
61	Coordination mode and oxidation susceptibility of nickel(II) complexes with 2'-deoxyguanosine 5'-monophosphate and L-histidine. <i>Journal of Inorganic Biochemistry</i> , 2004 , 98, 1770-7	4.2	30
60	A formula for correlating pKa values determined in D2O and H2O. <i>Journal of Inorganic Biochemistry</i> , 2004 , 98, 161-6	4.2	368
59	Contrasting effects of metal ions on S-nitrosoglutathione, related to coordination equilibria: GSNO decomposition assisted by Ni(II) vs stability increase in the presence of Zn(II) and Cd(II). <i>Chemical Research in Toxicology</i> , 2004 , 17, 392-403	4	14
58	Co(II) and Cd(II) substitute for Zn(II) in the zinc finger derived from the DNA repair protein XPA, demonstrating a variety of potential mechanisms of toxicity. <i>Chemical Research in Toxicology</i> , 2004 , 17, 1452-8	4	134
57	Coordination properties of tris(2-carboxyethyl)phosphine, a newly introduced thiol reductant, and its oxide. <i>Inorganic Chemistry</i> , 2003 , 42, 1994-2003	5.1	97
56	The octapeptidic end of the C-terminal tail of histone H2A is cleaved off in cells exposed to carcinogenic nickel(II). <i>Chemical Research in Toxicology</i> , 2003 , 16, 1555-9	4	43
55	Mechanism of nickel assault on the zinc finger of DNA repair protein XPA. <i>Chemical Research in Toxicology</i> , 2003 , 16, 242-8	4	69
54	Cu(II) complexation potentiates arginine vasopressin action on nonpregnant human myometrium in vitro. <i>Contraception</i> , 2003 , 67, 477-83	2.5	6
53	Correlations between complexation modes and redox activities of Ni(II)-GSH complexes. <i>Chemical Research in Toxicology</i> , 2003 , 16, 855-64	4	51
52	Structure-function relationships in glutathione and its analogues. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 3885-90	3.9	38
51	May GSH and L-His contribute to intracellular binding of zinc? Thermodynamic and solution structural study of a ternary complex. <i>Chemical Communications</i> , 2003 , 704-5	5.8	67
50	The role of chromatin damage in nickel-induced carcinogenesis. A review of recent developments. <i>Journal of Environmental Monitoring</i> , 2003 , 5, 183-7		56
49	Short peptides are not reliable models of thermodynamic and kinetic properties of the N-terminal metal binding site in serum albumin. <i>FEBS Journal</i> , 2002 , 269, 1323-31		81
48	DNA and RNA damage by Cu(II)-amikacin complex. <i>FEBS Journal</i> , 2002 , 269, 5547-56		28
47	Potentiometric and spectroscopic studies of the interaction of Cu(II) ions with the hexapeptides AcThrAlaSerHisHisLysNH ₂ , AcThrGluAlaHisHisLysNH ₂ , AcThrGluSerAlaHisLysNH ₂ and AcThrGluSerHisAlaLysNH ₂ , models of C-terminal tail of histone H2A. <i>Inorganica Chimica Acta</i> , 2002 , 339, 60-70	2.7	34
46	Copper(II) binding by kanamycin A and hydrogen peroxide activation by resulting complexes. <i>New Journal of Chemistry</i> , 2002 , 26, 1507-1514	3.6	37
45	The binding of Ni(II) ions to terminally blocked hexapeptides derived from the metal binding -ESHH- motif of histone H2A. <i>Dalton Transactions RSC</i> , 2002 , 4296-4306		35

44	Induction of oxidative DNA damage by carcinogenic metals. <i>Toxicology Letters</i> , 2002 , 127, 55-62	4.4	159
43	Copper(II)-lincomycin: complexation pattern and oxidative activity. <i>Journal of Inorganic Biochemistry</i> , 2001 , 84, 189-200	4.2	21
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