Wojciech Bal

List of Publications by Year
in descending order

197 papers	8,294 citations	38742 50 h-index	58581 82 g-index
202 all docs	202 docs citations	202 times ranked	7414 citing authors

#	Article	IF	Citations
1	A formula for correlating p K a values determined in D 2 O and H 2 O. Journal of Inorganic Biochemistry, 2004, 98, 161-166.	3.5	438
2	Specific structureâ€“stability relations in metallopeptides. Coordination Chemistry Reviews, 1999, 184, 319-346.	18.8	424
3	Binding of transition metal ions to albumin: Sites, affinities and rates. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 5444-5455.	2.4	350
4	Multi-metal binding site of serum albumin. Journal of Inorganic Biochemistry, 1998, 70, 33-39.	3.5	267
5	Damage of zinc fingers in DNA repair proteins, a novel molecular mechanism in carcinogenesis. Toxicology Letters, 2006, 162, 29-42.	0.8	195
6	Coordination of heavy metals by dithiothreitol, a commonly used thiol group protectant. Journal of Inorganic Biochemistry, 2001, 84, 77-88.	3.5	188
7	Induction of oxidative DNA damage by carcinogenic metals. Toxicology Letters, 2002, 127, 55-62.	0.8	171
8	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. Chemical Research in Toxicology, 2004, 17, 1452-1458.	3.3	149
9	Cu(II) Affinity for the Alzheimerâ€™s Peptide: Tyrosine Fluorescence Studies Revisited. Analytical Chemistry, 2013, 85, 1501-1508.	6.5	148
10	Human serum albumin coordinates Cu(II) at its N-terminal binding site with 1ÂpM affinity. Journal of Biological Inorganic Chemistry, 2007, 12, 913-918.	2.6	130
11	Affinity of copper and zinc ions to proteins and peptides related to neurodegenerative conditions (AÎ²,) Tj ETQq1 1 0.784314 rgBT /Over	18.8	120
12	Ni(II) Specifically Cleaves the C-Terminal Tail of the Major Variant of Histone H2A and Forms an Oxidative Damage-Mediating Complex with the Cleaved-Off Octapeptide. Chemical Research in Toxicology, 2000, 13, 616-624.	3.3	119
13	Overexpression of phytochelatin synthase in tobacco: distinctive effects of AtPCS1 and CePCS genes on plant response to cadmium. Journal of Experimental Botany, 2008, 59, 2205-2219.	4.8	117
14	Cu(II) complexation by â€œnon-coordinatingâ€• N-2-hydroxyethylpiperazine-Nâ€²-2-ethanesulfonic acid (HEPES) Tj ETQq0 0 0 rgBT /Over	3.5	112
15	Coordination Properties of Tris(2-carboxyethyl)phosphine, a Newly Introduced Thiol Reductant, and Its Oxide. Inorganic Chemistry, 2003, 42, 1994-2003.	4.0	111
16	A Functional Role for AÎ² in Metal Homeostasis? Nâ€Truncation and Highâ€Affinity Copper Binding. Angewandte Chemie - International Edition, 2015, 54, 10460-10464.	13.8	102
17	Nâ€Terminal Cuâ€Binding Motifs (Xxxâ€Zzzâ€His, Xxxâ€His) and Their Derivatives: Chemistry, Biology and Medicinal Applications. Chemistry - A European Journal, 2018, 24, 8029-8041.	3.3	99
18	Interactions of Nickel(II) with Histones:Â Interactions of Nickel(II) with CH3CO-Thr-Glu-Ser-His-His-Lys-NH2, a Peptide Modeling the Potential Metal Binding Site in the â€œC-Tailâ€• Region of Histone H2A. Chemical Research in Toxicology, 1998, 11, 1014-1023.	3.3	97

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19	Molecular models in nickel carcinogenesis. Journal of Inorganic Biochemistry, 2000, 79, 213-218.	3.5	97
20	Thermodynamic study of Cu2+ binding to the DAHK and GHK peptides by isothermal titration calorimetry (ITC) with the weaker competitor glycine. Journal of Biological Inorganic Chemistry, 2012, 17, 37-47.	2.6	97
21	Binding of Nickel(II) and Copper(II) to the N-Terminal Sequence of Human Protamine HP2. Chemical Research in Toxicology, 1997, 10, 906-914.	3.3	95
22	Short peptides are not reliable models of thermodynamic and kinetic properties of the N-terminal metal binding site in serum albumin. FEBS Journal, 2002, 269, 1323-1331.	0.2	94
23	Effects of simultaneous expression of heterologous genes involved in phytochelatin biosynthesis on thiol content and cadmium accumulation in tobacco plants. Journal of Experimental Botany, 2006, 57, 2173-2182.	4.8	93
24	Effects of Ni(II) and Cu(II) on DNA interaction with the N-terminal sequence of human protamine P2: enhancement of binding and mediation of oxidative DNA strand scission and base damage. Carcinogenesis, 1999, 20, 893-898.	2.8	87
25	Spectroscopic and thermodynamic determination of three distinct binding sites for Co(II) ions in human serum albuminâ˜†. Journal of Inorganic Biochemistry, 2009, 103, 1005-1013.	3.5	83
26	Mechanism of Nickel Assault on the Zinc Finger of DNA Repair Protein XPA. Chemical Research in Toxicology, 2003, 16, 242-248.	3.3	81
27	May GSH and l-His contribute to intracellular binding of zinc? Thermodynamic and solution structural study of a ternary complex. Chemical Communications, 2003, , 704-705.	4.1	81
28	Interaction of selenium compounds with zinc finger proteins involved in DNA repair. FEBS Journal, 2004, 271, 3190-3199.	0.2	79
29	Monomethylarsonous Acid Destroys a Tetrathiolate Zinc Finger Much More Efficiently than Inorganic Arsenite: Mechanistic Considerations and Consequences for DNA Repair Inhibition. Chemical Research in Toxicology, 2008, 21, 600-606.	3.3	79
30	Filaggrin inhibits generation of CD1a neolipid antigens by house dust miteâ€“derived phospholipase. Science Translational Medicine, 2016, 8, 325ra18.	12.4	77
31	The novel compound PBT434 prevents iron mediated neurodegeneration and alpha-synuclein toxicity in multiple models of Parkinsonâ€™s disease. Acta Neuropathologica Communications, 2017, 5, 53.	5.2	77
32	Axial Hydrophobic Fence in Highly-Stable Ni(II) Complex of Des-Angiotensinogen N-Terminal Peptide. Journal of the American Chemical Society, 1996, 118, 4727-4728.	13.7	73
33	Lead Interaction with Human Protamine (HP2) as a Mechanism of Male Reproductive Toxicity. Chemical Research in Toxicology, 2000, 13, 594-600.	3.3	71
34	The role of chromatin damage in nickel-induced carcinogenesis. A review of recent developments. Journal of Environmental Monitoring, 2003, 5, 183-187.	2.1	71
35	Dioxygen-induced decarboxylation and hydroxylation of [NiII(glycyl-glycyl-L-histidine)] occurs via NiIII: X-ray crystal structure of [NiII(glycyl-glycyl-Î±-hydroxy-D,L-histamine)]Â·3H2O. Journal of the Chemical Society Chemical Communications, 1994, , 1889-1890.	2.0	68
36	A study of the comparative donor properties to Cu II of the terminal amino and imidazole nitrogens in peptides. Journal of the Chemical Society Dalton Transactions, 1990, , 3565.	1.1	67

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37	Interactions of Nickel(II) with Histones. Stability and Solution Structure of Complexes with CH3CO-Cys-Ala-Ile-His-NH2, a Putative Metal Binding Sequence of Histone H3. Chemical Research in Toxicology, 1995, 8, 683-692.	3.3	62
38	Mediation of Oxidative DNA Damage by Nickel(II) and Copper(II) Complexes with the N-Terminal Sequence of Human Protamine HP2. Chemical Research in Toxicology, 1997, 10, 915-921.	3.3	61
39	The binding constant for amyloid AÎ²40 peptide interaction with human serum albumin. Biochemical and Biophysical Research Communications, 2007, 364, 714-718.	2.1	61
40	Sequence-Specific Ni(II)-Dependent Peptide Bond Hydrolysis for Protein Engineering: Reaction Conditions and Molecular Mechanism. Inorganic Chemistry, 2010, 49, 6636-6645.	4.0	61
41	Sequence-Specific Ni(II)-Dependent Peptide Bond Hydrolysis for Protein Engineering. Combinatorial Library Determination of Optimal Sequences. Journal of the American Chemical Society, 2010, 132, 3355-3366.	13.7	60
42	Studies of Zinc(II) and Nickel(II) Complexes of GSH, GSSG and Their Analogs Shed More Light on Their Biological Relevance. Bioinorganic Chemistry and Applications, 2004, 2, 293-305.	4.1	56
43	A Direct Determination of the Dissociation Constant for the Cu(II) Complex of Amyloid Î² 1âˆ'40 Peptide. Chemical Research in Toxicology, 2010, 23, 336-340.	3.3	56
44	Complexes of Cu(II) with Asn-Ser-Phe-Arg-Tyr-NH2; an example of metal ion-promoted conformational organization which results in exceptionally high complex stability. Journal of Inorganic Biochemistry, 1993, 52, 79-87.	3.5	55
45	Interactions of Nickel(II) with Histones:â€‰ Enhancement of 2â€˜-Deoxyguanosine Oxidation by Ni(II) Complexes with CH3CO-Cys-Ala-Ile-His-NH2, a Putative Metal Binding Sequence of Histone H3. Chemical Research in Toxicology, 1996, 9, 535-540.	3.3	55
46	Lead effects on protamine-DNA binding. American Journal of Industrial Medicine, 2000, 38, 324-329.	2.1	55
47	Correlations between Complexation Modes and Redox Activities of Ni(II)âˆ'GSH Complexes. Chemical Research in Toxicology, 2003, 16, 855-864.	3.3	55
48	Mixed Ligand Cu2+Complexes of a Model Therapeutic with Alzheimerâ€™s Amyloid-Î² Peptide and Monoamine Neurotransmitters. Inorganic Chemistry, 2013, 52, 4303-4318.	4.0	54
49	Revised Coordination Model and Stability Constants of Cu(II) Complexes of Tris Buffer. Inorganic Chemistry, 2013, 52, 13927-13933.	4.0	52
50	Complex-forming properties ofL-Î±-alaninehydroxamic acid (2-amino-N-hydroxypropanamide). Journal of the Chemical Society Dalton Transactions, 1989, , 2247-2251.	1.1	51
51	Resistance of Cu(AÎ²4â€“16) to Copper Capture by Metallothioneinâ€ƒ Supports a Function for the AÎ²4â€“42 Peptide as a Synaptic Cu^{II} Scavenger. Angewandte Chemie - International Edition, 2016, 55, 8235-8238.	13.8	51
52	The Octapeptidic End of the C-Terminal Tail of Histone H2A Is Cleaved Off in Cells Exposed to Carcinogenic Nickel(II). Chemical Research in Toxicology, 2003, 16, 1555-1559.	3.3	50
53	Redox modifications of the C-terminal cysteine residue cause structural changes in S100A1 and S100B proteins. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1742, 191-201.	4.1	50
54	The Cu(II)/AÎ²/Human Serum Albumin Model of Control Mechanism for Copper-Related Amyloid Neurotoxicity. Chemical Research in Toxicology, 2010, 23, 298-308.	3.3	49

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55	Competition between the terminal amino and imidazole nitrogen donors for coordination to Ni(II) ions in oligopeptides. Inorganica Chimica Acta, 1995, 231, 7-12.	2.4	48
56	Metal assisted peptide bond hydrolysis: Chemistry, biotechnology and toxicological implications. Coordination Chemistry Reviews, 2016, 327-328, 166-187.	18.8	48
57	How non-bonding amino acid side-chains may enormously increase the stability of a Cu(II)â€”peptide complex. Inorganica Chimica Acta, 1998, 283, 1-11.	2.4	47
58	Copper(ii) binding by kanamycin A and hydrogen peroxide activation by resulting complexes. New Journal of Chemistry, 2002, 26, 1507-1514.	2.8	43
59	Structureâ€“function relationships in glutathione and its analogues. Organic and Biomolecular Chemistry, 2003, 1, 3885-3890.	2.8	42
60	The binding of Ni(ii) ions to terminally blocked hexapeptides derived from the metal binding -ESHH-motif of histone H2A. Dalton Transactions RSC, 2002, , 4296-4306.	2.3	38
61	Interaction of Nickel(II) with Histones:In VitroBinding of Nickel(II) to the Core Histone Tetramer. Archives of Biochemistry and Biophysics, 1999, 364, 161-166.	3.0	37
62	Factors Influencing Compactâ€“Extended Structure Equilibrium in Oligomers of AÎ²1â€“40 Peptideâ€”An Ion Mobility Mass Spectrometry Study. Journal of Molecular Biology, 2014, 426, 2871-2885.	4.2	37
63	The N-terminal 14-mer model peptide of human Ctr1 can collect Cu(<scp>ii</scp>) from albumin. Implications for copper uptake by Ctr1. Metallomics, 2018, 10, 1723-1727.	2.4	37
64	Copper(II) complexes with some tetrapeptides containing the â€˜break-pointâ€™ prolyl residue in the third position. Journal of the Chemical Society Dalton Transactions, 1988, , 1357-1360.	1.1	36
65	Potentiometric and spectroscopic studies of the Cu(II) complexes of Ala-Arg8-vasopressin and oxytocin: Two vasopressin-like peptides. Journal of Inorganic Biochemistry, 1992, 45, 193-202.	3.5	36
66	Induction of a Secondary Structure in the N-Terminal Pentadecapeptide of Human Protamine HP2 through Ni(II) Coordination. An NMR Study. Chemical Research in Toxicology, 2000, 13, 823-830.	3.3	36
67	Potentiometric and spectroscopic studies of the interaction of Cu(II) ions with the hexapeptides AcThrAlaSerHisHisLysNH2, AcThrGluAlaHisHisLysNH2, AcThrGluSerAlaHisLysNH2 and AcThrGluSerHisAlaLysNH2, models of C-terminal tail of histone H2A. Inorganica Chimica Acta, 2002, 339, 60-70.	2.4	36
68	Zn(II) Complexes of Glutathione Disulfide: Structural Basis of Elevated Stabilities. Inorganic Chemistry, 2011, 50, 72-85.	4.0	36
69	The Subâ€picomolar Cu²⁺ Dissociation Constant of Human Serum Albumin. ChemBioChem, 2020, 21, 331-334.	2.6	36
70	Cu^{II} Binding Properties of N-Truncated AÎ² Peptides: In Search of Biological Function. Inorganic Chemistry, 2019, 58, 13561-13577.	4.0	34
71	Sequence-specific Ni(II)-dependent peptide bond hydrolysis in a peptide containing threonine and histidine residues.. Acta Biochimica Polonica, 2006, 53, 721-727.	0.5	33
72	DNA and RNA damage by Cu(II)-amikacin complex. FEBS Journal, 2002, 269, 5547-5556.	0.2	32

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73	Coordination mode and oxidation susceptibility of nickel(II) complexes with 2â€²-deoxyguanosine 5â€²-monophosphate and l-histidine. Journal of Inorganic Biochemistry, 2004, 98, 1770-1777.	3.5	30
74	Key Intermediate Species Reveal the Copper(II)â€Exchange Pathway in Biorelevant ATCUN/NTS Complexes. Angewandte Chemie - International Edition, 2020, 59, 11234-11239.	13.8	30
75	The Cu(ii) complex of AÎ²40 peptide in ammonium acetate solutions. Evidence for ternary species formation. Chemical Communications, 2009, , 1374.	4.1	29
76	Revised stability constant, spectroscopic properties and binding mode of Zn(II) to FluoZin-3, the most common zinc probe in life sciences. Journal of Inorganic Biochemistry, 2016, 161, 107-114.	3.5	29
77	Interplay between Copper, Neprilysin, and N-Truncation of Î²-Amyloid. Inorganic Chemistry, 2018, 57, 6193-6197.	4.0	29
78	Cu(II) binding by angiotensin II fragments: Asp-Arg-Val-Tyr-Ile-His and Arg-Val-Tyr-Ile-His. Competition between amino group and imidazole nitrogens in anchoring of metal ions. Journal of Inorganic Biochemistry, 1995, 57, 235-247.	3.5	28
79	Co-ordination of copper(II) by amikacin. Complexation equilibria in solution and oxygen activation by the resulting complexesâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1998, , 153-160.	1.1	28
80	Stray Cu(II) May Cause Oxidative Damage When Coordinated to the -TESHHK- Sequence Derived from the C-Terminal Tail of Histone H2A. Chemical Research in Toxicology, 2001, 14, 1177-1183.	3.3	28
81	Tuning the Redox Properties of Copper(II) Complexes with Amyloid-Î² Peptides. Journal of the Electrochemical Society, 2016, 163, G196-G199.	2.9	28
82	The Final Frontier of pH and the Undiscovered Country Beyond. PLoS ONE, 2012, 7, e45832.	2.5	28
83	The Cu(II) affinity of the N-terminus of human copper transporter CTR1: Comparison of human and mouse sequences. Journal of Inorganic Biochemistry, 2018, 182, 230-237.	3.5	27
84	Covalent Proximity Scanning of a Distal Cysteine to Target PI3KÎ±. Journal of the American Chemical Society, 2022, 144, 6326-6342.	13.7	27
85	Interactions of transition metal ions with His-containing peptide models of histone H2A. Journal of Molecular Liquids, 2005, 118, 119-129.	4.9	26
86	Selective peptide bond hydrolysis of cysteine peptides in the presence of Ni(II) ions. Journal of Inorganic Biochemistry, 2011, 105, 10-16.	3.5	26
87	Kanamycin revisited: a combined potentiometric and spectroscopic study of copper(II) binding to kanamycin B. Inorganica Chimica Acta, 1998, 275-276, 541-545.	2.4	25
88	Characterization of pNiXa, a serpin ofXenopus laevis oocytes and embryos, and its histidine-rich, Ni(II)-binding domain. Molecular Reproduction and Development, 1996, 44, 507-524.	2.0	24
89	Copper(II)â€“lincomycin: complexation pattern and oxidative activity. Journal of Inorganic Biochemistry, 2001, 84, 189-200.	3.5	24
90	Ternary complex formation and competition quench fluorescence of ZnAF family zinc sensors. Metallomics, 2013, 5, 1483.	2.4	24

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91	Selective control of Cu(II) complex stability in histidine peptides by Î²-alanine. Journal of Inorganic Biochemistry, 2013, 119, 85-89.	3.5	24
92	Cysteine and glutathione trigger the Cuâ€“Zn swap between Cu(<scp>ii</scp>)-amyloid-Î²₄₋₁₆peptide and Zn₇-metallothionein-3. Chemical Communications, 2017, 53, 11634-11637.	4.1	24
93	Molecular Mechanism of Hydrogen Peroxide Conversion and Activation by Cu(II)-Amikacin Complexes. Chemical Research in Toxicology, 2001, 14, 1353-1362.	3.3	23
94	Application of Ni(II)-Assisted Peptide Bond Hydrolysis to Non-Enzymatic Affinity Tag Removal. PLoS ONE, 2012, 7, e36350.	2.5	23
95	Copper Exchange and Redox Activity of a Prototypical 8-Hydroxyquinoline: Implications for Therapeutic Chelation. Inorganic Chemistry, 2016, 55, 7317-7319.	4.0	23
96	Cu(II) Binding to the Peptide Ala-His-His, a Chimera of the Canonical Cu(II)-Binding Motifs Xxx-His and Xxx-Zzz-His. Inorganic Chemistry, 2017, 56, 14870-14879.	4.0	23
97	Ternary Zn(II) Complexes of FluoZin-3 and the Low Molecular Weight Component of the Exchangeable Cellular Zinc Pool. Inorganic Chemistry, 2018, 57, 9826-9838.	4.0	23
98	Copper(II) binding to geneticin, a gentamycin analog. Journal of Inorganic Biochemistry, 1998, 71, 129-134.	3.5	22
99	Oligopeptides Generated by Neprilysin Degradation of Î²-Amyloid Have the Highest Cu(II) Affinity in the Whole AÎ² Family. Inorganic Chemistry, 2019, 58, 932-943.	4.0	22
100	Formation of highly stable multinuclear Ag_nS_nclusters in zinc fingers disrupts their structure and function. Chemical Communications, 2020, 56, 1329-1332.	4.1	21
101	Quantitative electrospray ionization mass spectrometry of zinc finger oxidation: The reaction of XPA zinc finger with H2O2. Analytical Biochemistry, 2007, 369, 226-231.	2.4	20
102	cis-Urocanic acid as a potential nickel(<scp>ii</scp>) binding molecule in the human skin. Dalton Transactions, 2014, 43, 3196-3201.	3.3	20
103	Cu transfer from amyloid-Î²_{4â€“16} to metallothionein-3: the role of the neurotransmitter glutamate and metallothionein-3 Zn(<scp>ii</scp>)-load states. Chemical Communications, 2018, 54, 12634-12637.	4.1	20
104	Stochastic or Not? Method To Predict and Quantify the Stochastic Effects on the Association Reaction Equilibria in Nanoscopic Systems. Journal of Physical Chemistry A, 2020, 124, 1421-1428.	2.5	20
105	Nickel(II) complexes of hydroxamic analogues of aminoacids. Journal of Inorganic Biochemistry, 1990, 38, 9-16.	3.5	19
106	Introduction of Î±-hydroxymethylserine residues in a peptide sequence results in the strongest peptidic, albumin-like, copper(II) chelator known to date. Journal of the Chemical Society Dalton Transactions, 1999, , 109-110.	1.1	19
107	Salivary histatin-5, a physiologically relevant ligand for Ni(II) ions. Journal of Inorganic Biochemistry, 2011, 105, 1220-1225.	3.5	19
108	Coordination Properties of Dithiobutylamine (DTBA), a Newly Introduced Protein Disulfide Reducing Agent. Inorganic Chemistry, 2015, 54, 596-606.	4.0	19

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109	Unusual Zn(II) Affinities of Zinc Fingers of Poly(ADP-ribose) Polymerase 1 (PARP-1) Nuclear Protein. Chemical Research in Toxicology, 2015, 28, 191-201.	3.3	19
110	Interactions of Î±-Factor-1, a Yeast Pheromone, and Its Analogue with Copper(II) Ions and Low-Molecular-Weight Ligands Yield Very Stable Complexes. Inorganic Chemistry, 2016, 55, 7829-7831.	4.0	19
111	Copper(II) Complexes with ATCUN Peptide Analogues: Studies on Redox Activity in Different Solutions. Journal of the Electrochemical Society, 2017, 164, G77-G81.	2.9	19
112	Dysregulated Zn2+ homeostasis impairs cardiac type-2 ryanodine receptor and mitsugumin 23 functions, leading to sarcoplasmic reticulum Ca2+ leakage. Journal of Biological Chemistry, 2017, 292, 13361-13373.	3.4	19
113	Numerical Simulations Reveal Randomness of Cu(II) Induced AÎ² Peptide Dimerization under Conditions Present in Glutamatergic Synapses. PLoS ONE, 2017, 12, e0170749.	2.5	19
114	The N-terminus of hepcidin is a strong and potentially biologically relevant Cu(II) chelator. Inorganica Chimica Acta, 2018, 472, 76-81.	2.4	19
115	A dramatic change in the interaction of Cu(II) with bio-peptides promoted by SDSâ€”a model for complex formation on a membrane surface. Journal of Inorganic Biochemistry, 1994, 55, 41-52.	3.5	18
116	The C2H2 zinc finger transcription factors are likely targets for Ni(ii) toxicity. Metallomics, 2011, 3, 1227.	2.4	18
117	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. PLoS ONE, 2016, 11, e0161353.	2.5	18
118	Cirrhotic Liver of Liver Transplant Recipients Accumulate Silver and Co-Accumulate Copper. International Journal of Molecular Sciences, 2021, 22, 1782.	4.1	18
119	Copper(II) interactions with an experimental antiviral agent, 1-deoxynojirimycin, and oxygen activation by resulting complexes. Journal of Inorganic Biochemistry, 1996, 64, 231-246.	3.5	17
120	Physiological levels of glutathione enhance Zn(II) binding by a Cys4 zinc finger. Biochemical and Biophysical Research Communications, 2009, 389, 265-268.	2.1	17
121	Effect of <scp>d</scp>-Amino Acid Substitutions on Ni(II)-Assisted Peptide Bond Hydrolysis. Inorganic Chemistry, 2013, 52, 2422-2431.	4.0	17
122	AÎ²_{5â€“<i>x</i>} Peptides: N-Terminal Truncation Yields Tunable Cu(II) Complexes. Inorganic Chemistry, 2020, 59, 14000-14011.	4.0	17
123	Differential zinc and DNA binding by partial peptides of human protamine HP2. Molecular and Cellular Biochemistry, 2001, 222, 97-106.	3.1	16
124	Determination of the stability constants and oxidation susceptibility of nickel(II) complexes with 2â€²-deoxyguanosine 5â€²-triphosphate and l-histidine. Journal of Inorganic Biochemistry, 2005, 99, 737-746.	3.5	16
125	Reaction of the XPA Zinc Finger withS-Nitrosoglutathione. Chemical Research in Toxicology, 2008, 21, 386-392.	3.3	16
126	Ternary Cu(II) Complex with GHK Peptide and Cis-Urocanic Acid as a Potential Physiologically Functional Copper Chelate. International Journal of Molecular Sciences, 2020, 21, 6190.	4.1	16

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127	Nuclear translocation of silver ions and hepatocyte nuclear receptor impairment upon exposure to silver nanoparticles. Environmental Science: Nano, 2020, 7, 1373-1387.	4.3	16
128	The unusual behavior of the inhibitor S(+)(1-amino-2-phenylethyl)phosphonic acid towards carboxypeptidase A. Journal of Inorganic Biochemistry, 1990, 40, 227-235.	3.5	15
129	Contrasting Effects of Metal Ions on S-Nitrosoglutathione, Related to Coordination Equilibria:â€‰ GSNO Decomposition Assisted by Ni(II) vs Stability Increase in the Presence of Zn(II) and Cd(II). Chemical Research in Toxicology, 2004, 17, 392-403.	3.3	15
130	Effect of Common Buffers and Heterocyclic Ligands on the Binding of Cu(II) at the Multimetal Binding Site in Human Serum Albumin. Bioinorganic Chemistry and Applications, 2010, 2010, 1-7.	4.1	15
131	Oxidative Stress Level in the Testes of Mice and Rats during Nickel Intoxication. Scientific World Journal, The, 2012, 2012, 1-5.	2.1	15
132	Human Annexins A1, A2, and A8 as Potential Molecular Targets for Ni(II) Ions. Chemical Research in Toxicology, 2014, 27, 1996-2009.	3.3	15
133	A zinc-finger like metal binding site in the nucleosome. FEBS Letters, 2007, 581, 1409-1416.	2.8	14
134	Recent Advances in Molecular Toxicology of Cadmium and Nickel. Advances in Molecular Toxicology, 2010, 4, 85-126.	0.4	14
135	Triggering Cu-coordination change in Cu(<scp>ii</scp>)-Ala-His-His by external ligands. Chemical Communications, 2019, 55, 8110-8113.	4.1	14
136	Biophysical Analysis of the Interaction of Toxic Metal Ions and Oxidants with the Zinc Finger Domain of XPA. Methods in Molecular Biology, 2010, 649, 399-410.	0.9	14
137	Electrospray-Induced Mass Spectrometry Is Not Suitable for Determination of Peptidic Cu(II) Complexes. Journal of the American Society for Mass Spectrometry, 2021, 32, 2766-2776.	2.8	14
138	Interactions of Zn(II) Ions with Three His-Containing Peptide Models of Histone H2A. Bioinorganic Chemistry and Applications, 2004, 2, 125-140.	4.1	13
139	Cu(II) complex formation by ACES buffer. Journal of Inorganic Biochemistry, 2013, 129, 58-61.	3.5	13
140	Copper Transporters? Glutathione Reactivity of Products of Cuâ€"Aβ Digestion by Neprilysin. Inorganic Chemistry, 2020, 59, 4186-4190.	4.0	13
141	Reproducibility and accuracy of microscale thermophoresis in the NanoTemper Monolith: a multi laboratory benchmark study. European Biophysics Journal, 2021, 50, 411-427.	2.2	13
142	A diadenosine 5',5''-P1P4 tetraphosphate (Ap4A) hydrolase from Arabidopsis thaliana that is activated preferentially by Mn2+ ions.. Acta Biochimica Polonica, 2008, 55, 151-160.	0.5	13
143	Intermediate Cu(II)-Thiolate Species in the Reduction of Cu(II)GHK by Glutathione: A Handy Chelate for Biological Cu(II) Reduction. Inorganic Chemistry, 2021, 60, 18048-18057.	4.0	13
144	Sequence-specific Ni(II)-dependent peptide bond hydrolysis for protein engineering: Active sequence optimization. Journal of Inorganic Biochemistry, 2013, 127, 99-106.	3.5	12

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145	Ni(<scp>ii</scp>) ions cleave and inactivate human alpha-1 antitrypsin hydrolytically, implicating nickel exposure as a contributing factor in pathologies related to antitrypsin deficiency. Metallomics, 2015, 7, 596-604.	2.4	12
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