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	Evidence for a Long-Lived, Cu-Coupled and Oxygen-Inert Disulfide Radical Anion in the Assembly of Metallothionein-3 Cu(I)₄-Thiolate Cluster. Journal of the American Chemical Society, 2022, 144, 709-722.	13.7	10
2	Structures of Silver Fingers and a Pathway to Their Genotoxicity. Angewandte Chemie - International Edition, 2022, , .	13.8	12
3	Covalent Proximity Scanning of a Distal Cysteine to Target PI3KÎ±. Journal of the American Chemical Society, 2022, 144, 6326-6342.	13.7	27
4	Ni2+-Assisted Hydrolysis May Affect the Human Proteome; Filaggrin Degradation Ex Vivo as an Example of Possible Consequences. Frontiers in Molecular Biosciences, 2022, 9, 828674.	3.5	1
5	The Aggregation Pattern of AÎ²_{1â€“40} is Altered by the Presence of <i>N</i>â€Truncated AÎ²_{4â€“40} and/or Cu^{II} in a Similar Way through Ionic Interactions. Chemistry - A European Journal, 2021, 27, 2798-2809.	3.3	12
6	Cirrhotic Liver of Liver Transplant Recipients Accumulate Silver and Co-Accumulate Copper. International Journal of Molecular Sciences, 2021, 22, 1782.	4.1	18
7	Probing the Structure and Function of the Cytosolic Domain of the Human Zinc Transporter ZnT8 with Nickel(II) Ions. International Journal of Molecular Sciences, 2021, 22, 2940.	4.1	2
8	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
9	Copper(<scp>ii</scp>) complex of N-truncated amyloid-Î² peptide bearing a His-2 motif as a potential receptor for phosphate anions. Dalton Transactions, 2021, 50, 2726-2730.	3.3	9
10	Incorporation of Î²â€Alanine in Cu(II) ATCUN Peptide Complexes Increases ROS Levels, DNA Cleavage and Antiproliferative Activity**. Chemistry - A European Journal, 2021, 27, 18093-18102.	3.3	12
11	Ternary Cu²⁺ Complexes of Human Serum Albumin and Glycyl-<scp>l</scp>-histidyl-<scp>l</scp>-lysine. Inorganic Chemistry, 2021, 60, 16927-16931.	4.0	9
12	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
13	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
14	Metalâ€“Peptide Complexesâ€"A Novel Class of Molecular Receptors for Electrochemical Phosphate Sensing. , 2021, 5, .		0
15	Kinetics of Cu(<scp>ii</scp>) complexation by ATCUN/NTS and related peptides: a gold mine of novel ideas for copper biology. Dalton Transactions, 2021, 51, 14-26.	3.3	10
16	Tuning Receptor Properties of Metalâ€“Amyloid Beta Complexes. Studies on the Interaction between Ni(II)â€“AÎ²_{5â€“9} and Phosphates/Nucleotides. Inorganic Chemistry, 2021, 60, 19448-19456.	4.0	2
17	The Subâ€picomolar Cu²⁺ Dissociation Constant of Human Serum Albumin. ChemBioChem, 2020, 21, 331-334.	2.6	36
18	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

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19	Peptide Bond Cleavage by Ni(II) Ions within the Nuclear Localization Signal Sequence. Chemistry and Biodiversity, 2020, 17, e1900652.	2.1	3
20	Exploration of the Potential Role for Aî² in Delivery of Extracellular Copper to Ctr1. Inorganic Chemistry, 2020, 59, 16952-16966.	4.0	6
21	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
22	Aî²_{5â€“<i>x</i>} Peptides: N-Terminal Truncation Yields Tunable Cu(II) Complexes. Inorganic Chemistry, 2020, 59, 14000-14011.	4.0	17
23	The Reactions of H2O2 and GSNO with the Zinc Finger Motif of XPA. Not A Regulatory Mechanism, But No Synergy with Cadmium Toxicity. Molecules, 2020, 25, 4177.	3.8	6
24	Frontispiz: Key Intermediate Species Reveal the Copper(II)â€Exchange Pathway in Biorelevant ATCUN/NTS Complexes. Angewandte Chemie, 2020, 132, .	2.0	0
25	The Palladium(II) Complex of Aî²4âˆ’16 as Suitable Model for Structural Studies of Biorelevant Copper(II) Complexes of N-Truncated Beta-Amyloids. International Journal of Molecular Sciences, 2020, 21, 9200.	4.1	4
26	Peptide bond cleavage in the presence of Ni-containing particles. Metallomics, 2020, 12, 649-653.	2.4	3
27	Key Intermediate Species Reveal the Copper(II)â€Exchange Pathway in Biorelevant ATCUN/NTS Complexes. Angewandte Chemie, 2020, 132, 11330-11335.	2.0	2
28	Hierarchical binding of copperII to N-truncated Aî²4â€“16 peptide. Metallomics, 2020, 12, 470-473.	2.4	12
29	Copper Transporters? Glutathione Reactivity of Products of Cuâ€“Aî² Digestion by Neprilysin. Inorganic Chemistry, 2020, 59, 4186-4190.	4.0	13
30	Frontispiece: Key Intermediate Species Reveal the Copper(II)â€Exchange Pathway in Biorelevant ATCUN/NTS Complexes. Angewandte Chemie - International Edition, 2020, 59, .	13.8	0
31	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
32	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
33	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
34	Cu^{II} Binding Properties of N-Truncated Aî² Peptides: In Search of Biological Function. Inorganic Chemistry, 2019, 58, 13561-13577.	4.0	34
35	His6, His13, and His14 residues in Aî² 1â€“40 peptide significantly and specifically affect oligomeric equilibria. Scientific Reports, 2019, 9, 9449.	3.3	10
36	Ternary Zn(II) Complexes of Fluorescent Zinc Probes Zinpyr-1 and Zinbo-5 with the Low Molecular Weight Component of Exchangeable Cellular Zinc Pool. Inorganic Chemistry, 2019, 58, 14741-14751.	4.0	11

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37	Triggering Cu-coordination change in Cu(<scp>ii</scp>)-Ala-His-His by external ligands. Chemical Communications, 2019, 55, 8110-8113.	4.1	14
38	Coordinative unsaturated Cu^I entities are crucial intermediates governing cell internalization of copper. A combined experimental ESI-MS and DFT study. Metallomics, 2019, 11, 1800-1804.	2.4	12
39	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
40	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
41	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
42	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
43	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
44	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
45	Gly-His-Thr-Asp-Amide, an Insulin-Activating Peptide from the Human Pancreas Is a Strong Cu(II) but a Weak Zn(II) Chelator. Inorganic Chemistry, 2018, 57, 15507-15516.	4.0	12
46	Interplay between Copper, Neprilysin, and N-Truncation of Î²-Amyloid. Inorganic Chemistry, 2018, 57, 6193-6197.	4.0	29
47	Nickel(<scp>ii</scp>)-promoted specific hydrolysis of zinc finger proteins. Metallomics, 2018, 10, 1089-1098.	2.4	8
48	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
49	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
50	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
51	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
52	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
53	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
54	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

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55	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
56	Resistance of Cu(AÎ²4 â€“ 16) to Copper Capture by Metallothioneinâ€ƒ Supports a Function for the AÎ²4 â€“ 42 Peptide as a Synaptic Cu II Scavenger. Angewandte Chemie, 2016, 128, 8375-8378.	2.0	6
57	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
58	On the ability of CuAÎ²1-x peptides to form ternary complexes: Neurotransmitter glutamate is a competitor while not a ternary partner. Journal of Inorganic Biochemistry, 2016, 158, 5-10.	3.5	8
59	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
60	Cu(II) complexation does not affect oxytocin action on pregnant human myometrium in vitro. Reproductive Toxicology, 2016, 59, 60-65.	2.9	3
61	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
62	Tuning the Redox Properties of Copper(II) Complexes with Amyloid-Î² Peptides. Journal of the Electrochemical Society, 2016, 163, G196-G199.	2.9	28
63	Copper Exchange and Redox Activity of a Prototypical 8-Hydroxyquinoline: Implications for Therapeutic Chelation. Inorganic Chemistry, 2016, 55, 7317-7319.	4.0	23
64	Metal assisted peptide bond hydrolysis: Chemistry, biotechnology and toxicological implications. Coordination Chemistry Reviews, 2016, 327-328, 166-187.	18.8	48
65	Selenocysteine containing analogues of Atx1-based peptides protect cells from copper ion toxicity. Organic and Biomolecular Chemistry, 2016, 14, 6979-6984.	2.8	6
66	Filaggrin inhibits generation of CD1a neolipid antigens by house dust miteâ€“derived phospholipase. Science Translational Medicine, 2016, 8, 325ra18.	12.4	77
67	Unbound position II in MXCXXC metallochaperone model peptides impacts metal binding mode and reactivity: Distinct similarities to whole proteins. Journal of Inorganic Biochemistry, 2016, 159, 29-36.	3.5	12
68	13 Genotoxicity of Metal Ions: Chemical Insights. , 2015, , 319-374.		0
69	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
70	Coordination Properties of Dithiobutylamine (DTBA), a Newly Introduced Protein Disulfide Reducing Agent. Inorganic Chemistry, 2015, 54, 596-606.	4.0	19
71	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
72	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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73	Atomic Resolution Structure of a Protein Prepared by Non-Enzymatic His-Tag Removal. Crystallographic and NMR Study of GmSPI-2 Inhibitor. PLoS ONE, 2014, 9, e106936.	2.5	8
74	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
75	Sequence-Specific Cu(II)-Dependent Peptide Bond Hydrolysis: Similarities and Differences with the Ni(II)-Dependent Reaction. Inorganic Chemistry, 2014, 53, 4639-4646.	4.0	11
76	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
77	Dual catalytic role of the metal ion in nickel-assisted peptide bond hydrolysis. Journal of Inorganic Biochemistry, 2014, 136, 107-114.	3.5	9
78	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
79	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. Journal of Inorganic Biochemistry, 2014, 139, 1-8.	3.5	7
80	Binding of transition metal ions to albumin: Sites, affinities and rates. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 5444-5455.	2.4	350
81	Ternary complex formation and competition quench fluorescence of ZnAF family zinc sensors. Metallomics, 2013, 5, 1483.	2.4	24
82	Revised Coordination Model and Stability Constants of Cu(II) Complexes of Tris Buffer. Inorganic Chemistry, 2013, 52, 13927-13933.	4.0	52
83	Cu(II) complex formation by ACES buffer. Journal of Inorganic Biochemistry, 2013, 129, 58-61.	3.5	13
84	Cu(II) Affinity for the Alzheimerâ€™s Peptide: Tyrosine Fluorescence Studies Revisited. Analytical Chemistry, 2013, 85, 1501-1508.	6.5	148
85	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
86	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
87	Selective control of Cu(II) complex stability in histidine peptides by Î²-alanine. Journal of Inorganic Biochemistry, 2013, 119, 85-89.	3.5	24
88	Effect of <scp>d</scp>-Amino Acid Substitutions on Ni(II)-Assisted Peptide Bond Hydrolysis. Inorganic Chemistry, 2013, 52, 2422-2431.	4.0	17
89	Affinity of copper and zinc ions to proteins and peptides related to neurodegenerative conditions (AÎ²,) Tj ETQq1 1 0.784314 rgBT /Ov	18.8	120
90	Application of Ni(II)-Assisted Peptide Bond Hydrolysis to Non-Enzymatic Affinity Tag Removal. PLoS ONE, 2012, 7, e36350.	2.5	23

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91	Oxidative Stress Level in the Testes of Mice and Rats during Nickel Intoxication. Scientific World Journal, The, 2012, 2012, 1-5.	2.1	15
92	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
93	The Final Frontier of pH and the Undiscovered Country Beyond. PLoS ONE, 2012, 7, e45832.	2.5	28
94	The C2H2 zinc finger transcription factors are likely targets for Ni(ii) toxicity. Metallomics, 2011, 3, 1227.	2.4	18
95	Zn(II) Complexes of Glutathione Disulfide: Structural Basis of Elevated Stabilities. Inorganic Chemistry, 2011, 50, 72-85.	4.0	36
96	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
97	Salivary histatin-5, a physiologically relevant ligand for Ni(II) ions. Journal of Inorganic Biochemistry, 2011, 105, 1220-1225.	3.5	19
98	Genotoxicity of metal ions: chemical insights. Metal Ions in Life Sciences, 2011, 8, 319-73.	2.8	9
99	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
100	Recent Advances in Molecular Toxicology of Cadmium and Nickel. Advances in Molecular Toxicology, 2010, 4, 85-126.	0.4	14
101	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
102	A Direct Determination of the Dissociation Constant for the Cu(II) Complex of Amyloid Î² 1â€"40 Peptide. Chemical Research in Toxicology, 2010, 23, 336-340.	3.3	56
103	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
104	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
105	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
106	13. Genotoxicity of Metal Ions: Chemical Insights. Metal Ions in Life Sciences, 2010, , 319-373.	1.0	11
107	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
108	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

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109	The Cu(ii) complex of AÎ²40 peptide in ammonium acetate solutions. Evidence for ternary species formation. Chemical Communications, 2009, , 1374.	4.1	29
110	Comparative studies of coordination properties of puromycin and puromycin aminonucleoside towards copper(II) ions. Journal of Inorganic Biochemistry, 2008, 102, 46-52.	3.5	2
111	Reaction of the XPA Zinc Finger withS-Nitrosoglutathione. Chemical Research in Toxicology, 2008, 21, 386-392.	3.3	16
112	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
113	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
114	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
115	The binding constant for amyloid AÎ²40 peptide interaction with human serum albumin. Biochemical and Biophysical Research Communications, 2007, 364, 714-718.	2.1	61
116	A zinc-finger like metal binding site in the nucleosome. FEBS Letters, 2007, 581, 1409-1416.	2.8	14
117	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
118	Ap4A is not an efficient Zn(II) binding agent. A concerted potentiometric, calorimetric and NMR study. Journal of Inorganic Biochemistry, 2007, 101, 758-763.	3.5	6
119	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
120	Damage of zinc fingers in DNA repair proteins, a novel molecular mechanism in carcinogenesis. Toxicology Letters, 2006, 162, 29-42.	0.8	195
121	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
122	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
123	Sequence-specific Ni(II)-dependent peptide bond hydrolysis in a peptide containing threonine and histidine residues. Acta Biochimica Polonica, 2006, 53, 721-7.	0.5	5
124	Modeling of Biological Ligand Binding. , 2005, , 728-736.		0
125	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
126	Interactions of transition metal ions with His-containing peptide models of histone H2A. Journal of Molecular Liquids, 2005, 118, 119-129.	4.9	26

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127	Interactions of Transition Metal Ions with His-Containing Peptide Models of Histone H2A. ChemInform, 2005, 36, no.	0.0	0
128	Cu(II) complexation by â€œnon-coordinatingâ€•N-2-hydroxyethylpiperazine-Nâ€²-2-ethanesulfonic acid (HEPES) Tj ETQq0 0 0 rgBT /Ove	3.5	112
129	Oxidative reactivity of Cuâ€"TESHHKâ€" and its alanine analogues. Dalton Transactions, 2005, , 1985.	3.3	5
130	Overexpression of genes involved in phytochelatin biosynthesis in Escherichia coli: effects on growth, cadmium accumulation and thiol level.. Acta Biochimica Polonica, 2005, 52, 109-116.	0.5	12
131	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
132	Interaction of selenium compounds with zinc finger proteins involved in DNA repair. FEBS Journal, 2004, 271, 3190-3199.	0.2	79
133	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
134	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
135	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
136	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
137	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
138	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
139	Coordination Properties of Tris(2-carboxyethyl)phosphine, a Newly Introduced Thiol Reductant, and Its Oxide. Inorganic Chemistry, 2003, 42, 1994-2003.	4.0	111
140	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
141	Mechanism of Nickel Assault on the Zinc Finger of DNA Repair Protein XPA. Chemical Research in Toxicology, 2003, 16, 242-248.	3.3	81
142	Cu(II) complexation potentiates arginine vasopressin action on nonpregnant human myometrium in vitro. Contraception, 2003, 67, 477-483.	1.5	9
143	Correlations between Complexation Modes and Redox Activities of Ni(II)â'GSH Complexes. Chemical Research in Toxicology, 2003, 16, 855-864.	3.3	55
144	Structureâ€"function relationships in glutathione and its analogues. Organic and Biomolecular Chemistry, 2003, 1, 3885-3890.	2.8	42

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145	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
146	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
147	Copper(ii) binding by kanamycin A and hydrogen peroxide activation by resulting complexes. New Journal of Chemistry, 2002, 26, 1507-1514.	2.8	43
148	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
149	Induction of oxidative DNA damage by carcinogenic metals. Toxicology Letters, 2002, 127, 55-62.	0.8	171
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