

List of Publications by Year in descending order

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217
papers

13,259
citations

19608

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Mercury L \pm 1 High Energy Resolution Fluorescence Detected X-ray Absorption Spectroscopy: A Versatile Speciation Probe for Mercury. <i>Inorganic Chemistry</i> , 2022, 61, 5201-5214.	1.9	7
2	Molecular Fates of Organometallic Mercury in Human Brain. <i>ACS Chemical Neuroscience</i> , 2022, 13, 1756-1768.	1.7	12
3	Hg(II) Binding to Thymine Bases in DNA. <i>Inorganic Chemistry</i> , 2021, 60, 7442-7452.	1.9	7
4	High Energy Resolution Fluorescence Detected X-ray Absorption Spectroscopy: An Analytical Method for Selenium Speciation. <i>Analytical Chemistry</i> , 2021, 93, 9235-9243.	3.2	14
5	Sulfur K β X-ray emission spectroscopy: comparison with sulfur K-edge X-ray absorption spectroscopy for speciation of organosulfur compounds. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4500-4508.	1.3	18
6	Oxygen K-edge X-ray absorption spectra of liquids with minimization of window contamination. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 1845-1849.	1.0	2
7	Abridged spectral matrix inversion: parametric fitting of X-ray fluorescence spectra following integrative data reduction. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 1881-1890.	1.0	0
8	PIN FORMED 2 Modulates the Transport of Arsenite in Arabidopsis thaliana. <i>Plant Communications</i> , 2020, 1, 100009.	3.6	17
9	Human red blood cell uptake and sequestration of arsenite and selenite: Evidence of seleno-bis(S-glutathionyl) arsinium ion formation in human cells. <i>Biochemical Pharmacology</i> , 2020, 180, 114141.	2.0	7
10	Structural Characterization of the Solution Chemistry of Zirconium(IV) Desferrioxamine: A Coordination Sphere Completed by Hydroxides. <i>Inorganic Chemistry</i> , 2020, 59, 17443-17452.	1.9	13
11	PBT2 acts through a different mechanism of action than other 8-hydroxyquinolines: an X-ray fluorescence imaging study. <i>Metallomics</i> , 2020, 12, 1979-1994.	1.0	13
12	Copper(II) Binding to PBT2 Differs from That of Other 8-Hydroxyquinoline Chelators: Implications for the Treatment of Neurodegenerative Protein Misfolding Diseases. <i>Inorganic Chemistry</i> , 2020, 59, 17519-17534.	1.9	15
13	X-ray absorption spectroscopy of organic sulfoxides. <i>RSC Advances</i> , 2020, 10, 26229-26238.	1.7	5
14	Solution Chemistry of Copper(II) Binding to Substituted 8-Hydroxyquinolines. <i>Inorganic Chemistry</i> , 2020, 59, 13858-13874.	1.9	6
15	Studies of selenium and arsenic mutual protection in human HepG2 cells. <i>Chemico-Biological Interactions</i> , 2020, 327, 109162.	1.7	7
16	Reply to Comments on "Rethinking the Minamata Tragedy: What Mercury Species Was Really Responsible?". <i>Environmental Science & Technology</i> , 2020, 54, 8488-8490.	4.6	5
17	Direct Observation of Methylmercury and Auranofin Binding to Selenocysteine in Thioredoxin Reductase. <i>Inorganic Chemistry</i> , 2020, 59, 2711-2718.	1.9	43
18	Rethinking the Minamata Tragedy: What Mercury Species Was Really Responsible?. <i>Environmental Science & Technology</i> , 2020, 54, 2726-2733.	4.6	40

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19	Prolonged Blood-Brain Barrier Injury Occurs After Experimental Intracerebral Hemorrhage and Is Not Acutely Associated with Additional Bleeding. <i>Translational Stroke Research</i> , 2019, 10, 287-297.	2.3	38
20	Disruption of selenium transport and function is a major contributor to mercury toxicity in zebrafish larvae. <i>Metallomics</i> , 2019, 11, 621-631.	1.0	19
21	Visualizing sulfur with X-rays: From molecules to tissues. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019, 194, 618-623.	0.8	3
22	X-ray Absorption Spectroscopy Investigations of Copper(II) Coordination in the Human Amyloid β Peptide. <i>Inorganic Chemistry</i> , 2019, 58, 6294-6311.	1.9	30
23	Sulfur K-Edge X-ray Absorption Spectroscopy of Aryl and Aryl-alkyl Sulfides. <i>Journal of Physical Chemistry A</i> , 2019, 123, 2861-2866.	1.1	4
24	Revealing the Penumbra through Imaging Elemental Markers of Cellular Metabolism in an Ischemic Stroke Model. <i>ACS Chemical Neuroscience</i> , 2018, 9, 886-893.	1.7	19
25	Cryoprotectants Severely Exacerbate X-ray-Induced Photoreduction. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 540-544.	2.1	13
26	X-ray spectroscopy and imaging of selenium in living systems. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2383-2392.	1.1	16
27	A comparison of parametric and integrative approaches for X-ray fluorescence analysis applied to a Stroke model. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 1780-1789.	1.0	11
28	A Photochemically Generated Selenyl Free Radical Observed by High Energy Resolution Fluorescence Detected X-ray Absorption Spectroscopy. <i>Inorganic Chemistry</i> , 2018, 57, 10867-10872.	1.9	14
29	X-ray-Induced Photoreduction of Hg(II) in Aqueous Frozen Solution Yields Nearly Monatomic Hg(0). <i>Inorganic Chemistry</i> , 2018, 57, 8205-8210.	1.9	3
30	X-ray Absorption Spectroscopy of Metals in Biology. , 2018, , 1-7.		0
31	X-ray Fluorescence Imaging: Elemental and Chemical Speciation Mapping of Biological Systems. , 2018, , 1-6.		0
32	Mononuclear Sulfido-Tungsten(V) Complexes: Completing the Tp [*] MEXY (M = Mo, W; E = O, S) Series. <i>Inorganic Chemistry</i> , 2017, 56, 5189-5202.	1.9	6
33	The active site structure and catalytic mechanism of arsenite oxidase. <i>Scientific Reports</i> , 2017, 7, 1757.	1.6	25
34	Binding of Copper and Cisplatin to Atox1 Is Mediated by Glutathione through the Formation of Metal-Sulfur Clusters. <i>Biochemistry</i> , 2017, 56, 3129-3141.	1.2	27
35	Optimization of overexpression of a chaperone protein of steroid C25 dehydrogenase for biochemical and biophysical characterization. <i>Protein Expression and Purification</i> , 2017, 134, 47-62.	0.6	5
36	Pathogenic implications of distinct patterns of iron and zinc in chronic MS lesions. <i>Acta Neuropathologica</i> , 2017, 134, 45-64.	3.9	94

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37	Selenium-mediated arsenic excretion in mammals: a synchrotron-based study of whole-body distribution and tissue-specific chemistry. <i>Metallomics</i> , 2017, 9, 1585-1595.	1.0	34
38	Biological iron-sulfur storage in a thioferrate-protein nanoparticle. <i>Nature Communications</i> , 2017, 8, 16110.	5.8	20
39	Photochemically Generated Thiyl Free Radicals Observed by X-ray Absorption Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017, 139, 11519-11526.	6.6	23
40	X-ray Absorption Spectroscopy of Aliphatic Organic Sulfides. <i>Journal of Physical Chemistry A</i> , 2017, 121, 6256-6261.	1.1	11
41	Remarkable differences in the biochemical fate of Cd ²⁺ , Hg ²⁺ , CH ₃ Hg ⁺ and thimerosal in red blood cell lysate. <i>Metallomics</i> , 2017, 9, 1060-1072.	1.0	26
42	Effects of inorganic mercury on the olfactory pits of zebrafish larvae. <i>Metallomics</i> , 2016, 8, 514-517.	1.0	8
43	Chemical Sensitivity of the Sulfur K-Edge X-ray Absorption Spectra of Organic Disulfides. <i>Journal of Physical Chemistry A</i> , 2016, 120, 7279-7286.	1.1	13
44	Insights into the Nature of the Chemical Bonding in Thiophene-2-thiol from X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6929-6933.	1.1	11
45	Imaging Taurine in the Central Nervous System Using Chemically Specific X-ray Fluorescence Imaging at the Sulfur K-Edge. <i>Analytical Chemistry</i> , 2016, 88, 10916-10924.	3.2	19
46	Chemical basis for the detoxification of cisplatin-derived hydrolysis products by sodium thiosulfate. <i>Journal of Inorganic Biochemistry</i> , 2016, 162, 96-101.	1.5	14
47	Observation of the seleno bis-(S-glutathionyl) arsinium anion in rat bile. <i>Journal of Inorganic Biochemistry</i> , 2016, 158, 24-29.	1.5	17
48	Chemical Biology in the Embryo: <i>In Situ</i> Imaging of Sulfur Biochemistry in Normal and Proteoglycan-Deficient Cartilage Matrix. <i>Biochemistry</i> , 2016, 55, 2441-2451.	1.2	13
49	Multispecies Biofilms Transform Selenium Oxyanions into Elemental Selenium Particles: Studies Using Combined Synchrotron X-ray Fluorescence Imaging and Scanning Transmission X-ray Microscopy. <i>Environmental Science & Technology</i> , 2016, 50, 10343-10350.	4.6	24
50	Arsenic transfer and biotransformation in a fully characterized freshwater food web. <i>Coordination Chemistry Reviews</i> , 2016, 306, 558-565.	9.5	9
51	Novel bio-spectroscopic imaging reveals disturbed protein homeostasis and thiol redox with protein aggregation prior to hippocampal CA1 pyramidal neuron death induced by global brain ischemia in the rat. <i>Free Radical Biology and Medicine</i> , 2015, 89, 806-818.	1.3	24
52	In Situ Biospectroscopic Investigation of Rapid Ischemic and Postmortem Induced Biochemical Alterations in the Rat Brain. <i>ACS Chemical Neuroscience</i> , 2015, 6, 226-238.	1.7	41
53	Application of a spoked channel array to confocal X-ray fluorescence imaging and X-ray absorption spectroscopy of medieval stained glass. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 759-766.	1.6	13
54	Selenium Preferentially Accumulates in the Eye Lens Following Embryonic Exposure: A Confocal X-ray Fluorescence Imaging Study. <i>Environmental Science & Technology</i> , 2015, 49, 2255-2261.	4.6	35

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55	d ¹ Oxosulfido-Mo(V) Compounds: First Isolation and Unambiguous Characterization of an Extended Series. <i>Inorganic Chemistry</i> , 2015, 54, 6386-6396.	1.9	11
56	Phenylthiourea alters toxicity of mercury compounds in zebrafish larvae. <i>Journal of Inorganic Biochemistry</i> , 2015, 151, 10-17.	1.5	18
57	Soft tissue measurement of arsenic and selenium in an animal model using portable X-ray fluorescence. <i>Radiation Physics and Chemistry</i> , 2015, 116, 241-247.	1.4	11
58	Interaction of mercury and selenium in the larval stage zebrafish vertebrate model. <i>Metallomics</i> , 2015, 7, 1247-1255.	1.0	34
59	Structural basis of enzymatic benzene ring reduction. <i>Nature Chemical Biology</i> , 2015, 11, 586-591.	3.9	52
60	Synchrotron X-ray fluorescence imaging evidence of biogenic mercury identified in a burial in colonial Antigua. <i>Journal of Archaeological Science</i> , 2015, 58, 26-30.	1.2	12
61	High Affinity Binding of Indium and Ruthenium Ions by Gastrins. <i>PLoS ONE</i> , 2015, 10, e0140126.	1.1	5
62	Synchrotron X-ray absorption spectroscopy analysis of arsenic chemical speciation in human nail clippings. <i>Environmental Chemistry</i> , 2014, 11, 632.	0.7	9
63	Structural characterization of Cd ²⁺ complexes in solution with DMSA and DMPS. <i>Journal of Inorganic Biochemistry</i> , 2014, 136, 99-106.	1.5	12
64	The solution structure of the copper clioquinol complex. <i>Journal of Inorganic Biochemistry</i> , 2014, 133, 50-56.	1.5	26
65	Molybdenum and tungsten oxygen transferases – structural and functional diversity within a common active site motif. <i>Metallomics</i> , 2014, 6, 15-24.	1.0	47
66	Combined EXAFS and DFT Structure Calculations Provide Structural Insights into the 1:1 Multi-Histidine Complexes of Cu ^{II} , Cu ^I , and Zn ^{II} with the Tandem Octarepeats of the Mammalian Prion Protein. <i>Chemistry - A European Journal</i> , 2014, 20, 9770-9783.	1.7	21
67	Long-Range Chemical Sensitivity in the Sulfur K-Edge X-ray Absorption Spectra of Substituted Thiophenes. <i>Journal of Physical Chemistry A</i> , 2014, 118, 7796-7802.	1.1	31
68	Elemental and Chemically Specific X-ray Fluorescence Imaging of Biological Systems. <i>Chemical Reviews</i> , 2014, 114, 8499-8541.	23.0	234
69	Methylmercury Targets Photoreceptor Outer Segments. <i>ACS Chemical Biology</i> , 2013, 8, 2256-2263.	1.6	40
70	New Insights into Metal Interactions with the Prion Protein: EXAFS Analysis and Structure Calculations of Copper Binding to a Single Octarepeat from the Prion Protein. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13822-13841.	1.2	21
71	X-ray Absorption Spectroscopy of a Quantitatively Mo(V) Dimethyl Sulfoxide Reductase Species. <i>Inorganic Chemistry</i> , 2013, 52, 2830-2837.	1.9	26
72	Chemical Form Matters: Differential Accumulation of Mercury Following Inorganic and Organic Mercury Exposures in Zebrafish Larvae. <i>ACS Chemical Biology</i> , 2012, 7, 411-420.	1.6	83

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73	X-ray Absorption Spectroscopy at the Sulfur K-Edge: A New Tool to Investigate the Biochemical Mechanisms of Neurodegeneration. <i>ACS Chemical Neuroscience</i> , 2012, 3, 178-185.	1.7	61
74	X-ray-induced photo-chemistry and X-ray absorption spectroscopy of biological samples. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 875-886.	1.0	141
75	X-ray absorption spectroscopy at a protein crystallography facility: the Canadian Light Source beamline 08B1-1. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 887-891.	1.0	3
76	Metalloprotein active site structure determination: Synergy between X-ray absorption spectroscopy and X-ray crystallography. <i>Journal of Inorganic Biochemistry</i> , 2012, 115, 127-137.	1.5	74
77	The fictile coordination chemistry of cuprous-thiolate sites in copper chaperones. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 938-947.	0.5	27
78	The chemical forms of mercury and selenium in whale skeletal muscle. <i>Metallomics</i> , 2011, 3, 1232.	1.0	25
79	Prion protein expression level alters regional copper, iron and zinc content in the mouse brain. <i>Metallomics</i> , 2011, 3, 206.	1.0	91
80	Molybdenum Site Structure of <i>Escherichia coli</i> YedY, a Novel Bacterial Oxidoreductase. <i>Inorganic Chemistry</i> , 2011, 50, 732-740.	1.9	21
81	Nature of Halide Binding to the Molybdenum Site of Sulfite Oxidase. <i>Inorganic Chemistry</i> , 2011, 50, 9406-9413.	1.9	8
82	Towards a custom chelator for mercury: evaluation of coordination environments by molecular modeling. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 15-24.	1.1	16
83	Use of Soller slits to remove reference foil fluorescence from transmission spectra. <i>Journal of Synchrotron Radiation</i> , 2011, 18, 527-529.	1.0	5
84	Spectroscopic studies of molybdenum and tungsten enzymes. <i>Coordination Chemistry Reviews</i> , 2011, 255, 1055-1084.	9.5	74
85	Probing the coordination behavior of Hg ²⁺ , CH ₃ Hg ⁺ , and Cd ²⁺ towards mixtures of two biological thiols by HPLC-ICP-AES. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 375-381.	1.5	39
86	The chemical forms of mercury in human hair: a study using X-ray absorption spectroscopy. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 709-715.	1.1	30
87	Dynamic accumulation and redistribution of methylmercury in the lens of developing zebrafish embryos and larvae. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 1137-1145.	1.1	30
88	The Chemical Nature of Mercury in Human Brain Following Poisoning or Environmental Exposure. <i>ACS Chemical Neuroscience</i> , 2010, 1, 810-818.	1.7	168
89	The Structures of the C185S and C185A Mutants of Sulfite Oxidase Reveal Rearrangement of the Active Site. <i>Biochemistry</i> , 2010, 49, 3989-4000.	1.2	26
90	Mapping metals in Parkinson's and normal brain using rapid-scanning x-ray fluorescence. <i>Physics in Medicine and Biology</i> , 2009, 54, 651-663.	1.6	112

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91	Arsenic K-edge X-ray absorption spectroscopy of arsenic in seafood. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 552-557.	1.5	14
92	Characterization of a modified nitrogenase Fe protein from <i>Klebsiella pneumoniae</i> in which the 4Fe4S cluster has been replaced by a 4Fe4Se cluster. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 673-682.	1.1	25
93	Molybdenum Induces the Expression of a Protein Containing a New Heterometallic Mo-Fe Cluster in <i>Desulfovibrio alaskensis</i> . <i>Biochemistry</i> , 2009, 48, 873-882.	1.2	25
94	Localizing the Chemical Forms of Sulfur in Vivo Using X-ray Fluorescence Spectroscopic Imaging: Application to Onion (<i>Allium cepa</i>) Tissues. <i>Biochemistry</i> , 2009, 48, 6846-6853.	1.2	43
95	Tracing Copper-Thiomolybdate Complexes in a Prospective Treatment for Wilson's Disease. <i>Biochemistry</i> , 2009, 48, 891-897.	1.2	70
96	The Chemical Forms of Mercury in Aged and Fresh Dental Amalgam Surfaces. <i>Chemical Research in Toxicology</i> , 2009, 22, 1761-1764.	1.7	19
97	Insect excretes unusual six-coordinate pentavalent arsenic species. <i>Environmental Chemistry</i> , 2009, 6, 298.	0.7	8
98	X-ray Absorption Spectroscopy of Cuprous-Thiolate Clusters in <i>Saccharomyces cerevisiae</i> Metallothionein. <i>Chemistry and Biodiversity</i> , 2008, 5, 2042-2049.	1.0	19
99	Structure of the Molybdenum Site of <i>Escherichia coli</i> Trimethylamine N-Oxide Reductase. <i>Inorganic Chemistry</i> , 2008, 47, 1074-1078.	1.9	33
100	Mo ^V Electron Paramagnetic Resonance of Sulfite Oxidase Revisited: The Low-pH Chloride Signal. <i>Inorganic Chemistry</i> , 2008, 47, 2033-2038.	1.9	28
101	Electronic Structure Description of the cis-MoOS Unit in Models for Molybdenum Hydroxylases. <i>Journal of the American Chemical Society</i> , 2008, 130, 55-65.	6.6	58
102	Structural and Biological Analysis of the Metal Sites of <i>Escherichia coli</i> Hydrogenase Accessory Protein HypB. <i>Biochemistry</i> , 2008, 47, 11981-11991.	1.2	45
103	Chemical Forms of Mercury and Selenium in Fish Following Digestion with Simulated Gastric Fluid. <i>Chemical Research in Toxicology</i> , 2008, 21, 2106-2110.	1.7	47
104	Localizing organomercury uptake and accumulation in zebrafish larvae at the tissue and cellular level. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12108-12112.	3.3	129
105	X-Ray Absorption Spectroscopy as a Probe of Microbial Sulfur Biochemistry: the Nature of Bacterial Sulfur Globules Revisited. <i>Journal of Bacteriology</i> , 2008, 190, 6376-6383.	1.0	53
106	Chapter 5 Inorganic Molecular Toxicology and Chelation Therapy of Heavy Metals and Metalloids. <i>Advances in Molecular Toxicology</i> , 2008, 2, 123-152.	0.4	9
107	Insights into the Chemical Biology of Selenium. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 924-930.	0.8	8
108	Development of a combined K-edge subtraction and fluorescence subtraction imaging system for small animals. <i>Review of Scientific Instruments</i> , 2008, 79, 085102.	0.6	5

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109	Characterization of the Cytochrome c Oxidase Assembly Factor Cox19 of <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 10233-10242.	1.6	55
110	X-Ray Absorption Spectroscopy Imaging of Biological Tissues. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	6
111	Mercury Speciation in Piscivorous Fish from Mining-Impacted Reservoirs. <i>Environmental Science & Technology</i> , 2007, 41, 2745-2749.	4.6	69
112	Interaction of Product Analogues with the Active Site of <i>Rhodobacter Sphaeroides</i> Dimethyl Sulfoxide Reductase. <i>Inorganic Chemistry</i> , 2007, 46, 3097-3104.	1.9	21
113	Sulfur X-ray Absorption Spectroscopy of Living Mammalian Cells: An Enabling Tool for Sulfur Metabolomics. In Situ Observation of Uptake of Taurine into MDCK Cells. <i>Biochemistry</i> , 2007, 46, 14735-14741.	1.2	24
114	Modified Active Site Coordination in a Clinical Mutant of Sulfite Oxidase. <i>Journal of the American Chemical Society</i> , 2007, 129, 9421-9428.	6.6	30
115	Synthesis, Characterization, and Biomimetic Chemistry of cis-Oxosulfidomolybdenum(VI) Complexes Stabilized by an Intramolecular Mo(O)S ₂ S Interaction. <i>Inorganic Chemistry</i> , 2007, 46, 939-948.	1.9	29
116	X-ray Absorption Spectroscopic Characterization of the Molybdenum Site of <i>Escherichia coli</i> Dimethyl Sulfoxide Reductase. <i>Inorganic Chemistry</i> , 2007, 46, 2-4.	1.9	24
117	Chemical Form of Selenium in Naturally Selenium-Rich Lentils (<i>Lens culinaris</i> L.) from Saskatchewan. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 7337-7341.	2.4	64
118	Reversed-phase high-performance liquid chromatographic separation of inorganic mercury and methylmercury driven by their different coordination chemistry towards thiols. <i>Journal of Chromatography A</i> , 2007, 1156, 331-339.	1.8	37
119	Strong poison revisited. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 1891-1893.	1.5	22
120	CsoR is a novel <i>Mycobacterium tuberculosis</i> copper-sensing transcriptional regulator. , 2007, 3, 60-68.		291
121	The chemical form of mitochondrial iron in Friedreich's ataxia. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 957-966.	1.5	36
122	X-RAY ABSORPTION SPECTROSCOPY IN BIOLOGY AND CHEMISTRY. , 2007, , 97-119.		14
123	Models for the Molybdenum Hydroxylases: Synthesis, Characterization and Reactivity of cis-Oxosulfido-Mo(VI) Complexes. <i>Journal of the American Chemical Society</i> , 2006, 128, 305-316.	6.6	57
124	More on Molecular Mimicry in Mercury Toxicology. <i>Chemical Research in Toxicology</i> , 2006, 19, 1118-1120.	1.7	8
125	Localizing the Biochemical Transformations of Arsenate in a Hyperaccumulating Fern. <i>Environmental Science & Technology</i> , 2006, 40, 5010-5014.	4.6	195
126	The Seleno Bis(S-glutathionyl) Arsenium Ion Is Assembled in Erythrocyte Lysate. <i>Chemical Research in Toxicology</i> , 2006, 19, 601-607.	1.7	62

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127	Structure of the Active Site of Sulfite Dehydrogenase from <i>Starkeya novella</i> . <i>Inorganic Chemistry</i> , 2006, 45, 7488-7492.	1.9	24
128	Molecular Mimicry in Mercury Toxicology. <i>Chemical Research in Toxicology</i> , 2006, 19, 753-759.	1.7	71
129	High-Resolution EXAFS of the Active Site of Human Sulfite Oxidase: A Comparison with Density Functional Theory and X-ray Crystallographic Results. <i>Inorganic Chemistry</i> , 2006, 45, 493-495.	1.9	38
130	A cadmium enzyme from a marine diatom. <i>Nature</i> , 2005, 435, 42-42.	13.7	518
131	Using softer X-ray absorption spectroscopy to probe biological systems. <i>Journal of Synchrotron Radiation</i> , 2005, 12, 392-401.	1.0	31
132	Human Sco1 and Sco2 Function as Copper-binding Proteins. <i>Journal of Biological Chemistry</i> , 2005, 280, 34113-34122.	1.6	147
133	High-Resolution X-ray Emission Spectroscopy of Molybdenum Compounds. <i>Inorganic Chemistry</i> , 2005, 44, 2579-2581.	1.9	22
134	Nature of the Catalytically Labile Oxygen at the Active Site of Xanthine Oxidase. <i>Journal of the American Chemical Society</i> , 2005, 127, 4518-4522.	6.6	86
135	X-ray Absorption Spectroscopy of Selenate Reductase. <i>Inorganic Chemistry</i> , 2004, 43, 402-404.	1.9	35
136	The Sulfur Chemistry of Shiitake Mushroom. <i>Journal of the American Chemical Society</i> , 2004, 126, 458-459.	6.6	42
137	Selenium Biotransformations in an Insect Ecosystem: Effects of Insects on Phytoremediation. <i>Environmental Science & Technology</i> , 2004, 38, 3581-3586.	4.6	59
138	C-Terminal Domain of the Membrane Copper Transporter Ctr1 from <i>Saccharomyces cerevisiae</i> Binds Four Cu(I) Ions as a Cuprous-Thiolate Polynuclear Cluster: A Sub-femtomolar Cu(I) Affinity of Three Proteins Involved in Copper Trafficking. <i>Journal of the American Chemical Society</i> , 2004, 126, 3081-3090.	6.6	237
139	Coordination Chemistry at the Molybdenum Site of Sulfite Oxidase: Redox-Induced Structural Changes in the Cysteine 207 to Serine Mutant. <i>Inorganic Chemistry</i> , 2004, 43, 8456-8460.	1.9	31
140	Mercury Binding to the Chelation Therapy Agents DMSA and DMPS and the Rational Design of Custom Chelators for Mercury. <i>Chemical Research in Toxicology</i> , 2004, 17, 999-1006.	1.7	102
141	The Chemical Form of Mercury in Fish. <i>Science</i> , 2003, 301, 1203-1203.	6.0	1,214
142	Thioredoxin _{1/2h} overexpressed in barley seeds enhances selenite resistance and uptake during germination and early seedling development. <i>Planta</i> , 2003, 218, 186-191.	1.6	25
143	Imaging of selenium in plants using tapered metal monocapillary optics. <i>Journal of Synchrotron Radiation</i> , 2003, 10, 289-290.	1.0	19
144	Tetrathiomolybdate Causes Formation of Hepatic Copper-Molybdenum Clusters in an Animal Model of Wilson's Disease. <i>Journal of the American Chemical Society</i> , 2003, 125, 1704-1705.	6.6	59

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145	Redox Interplay of Oxo ²⁺ Thio ²⁻ Tungsten Centers with Sulfur-Donor Co-Ligands. <i>Inorganic Chemistry</i> , 2003, 42, 5909-5916.	1.9	17
146	Chemical Form and Distribution of Selenium and Sulfur in the Selenium Hyperaccumulator <i>Astragalus bisulcatus</i> Å. <i>Plant Physiology</i> , 2003, 131, 1460-1467.	2.3	163
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