

Peter A. Lay

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279
papers

10,304
citations

51
h-index

84
g-index

293
ext. papers

11,064
ext. citations

6.1
avg, IF

6.09
L-index

#	Paper	IF	Citations
279	The Decamethylferrocenium/Decamethylferrocene Redox Couple: A Superior Redox Standard to the Ferrocenium/Ferrocene Redox Couple for Studying Solvent Effects on the Thermodynamics of Electron Transfer. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 6713-6722	3.4	513
278	Recent developments in ruthenium anticancer drugs. <i>Metallomics</i> , 2009 , 1, 458-70	4.5	492
277	Copper complexes of non-steroidal anti-inflammatory drugs: an opportunity yet to be realized. <i>Coordination Chemistry Reviews</i> , 2002 , 232, 95-126	23.2	423
276	Mechanistic studies of relevance to the biological activities of chromium. <i>Coordination Chemistry Reviews</i> , 2005 , 249, 281-298	23.2	197
275	Parkinson's disease-linked human PARK9/ATP13A2 maintains zinc homeostasis and promotes β Synuclein externalization via exosomes. <i>Human Molecular Genetics</i> , 2014 , 23, 2816-33	5.6	172
274	Studies on the genotoxicity of chromium: from the test tube to the cell. <i>Coordination Chemistry Reviews</i> , 2001 , 216-217, 537-582	23.2	162
273	Chemical properties and toxicity of chromium(III) nutritional supplements. <i>Chemical Research in Toxicology</i> , 2008 , 21, 563-71	4	149
272	Syntheses and characterization of anti-inflammatory dinuclear and mononuclear zinc indomethacin complexes. Crystal structures of [Zn ₂ (indomethacin) ₄ (L) ₂] (L = N,N-dimethylacetamide, pyridine, 1-methyl-2-pyrrolidinone) and [Zn(indomethacin) ₂ (L ₁) ₂] (L ₁ = ethanol, methanol). <i>Inorganic Chemistry</i> , 2000 , 39, 3742-8	5.1	140
271	Chemical alterations to murine brain tissue induced by formalin fixation: implications for biospectroscopic imaging and mapping studies of disease pathogenesis. <i>Analyst, The</i> , 2011 , 136, 2941-52 ⁵		136
270	Speciation of metal drugs, supplements and toxins in media and bodily fluids controls in vitro activities. <i>Coordination Chemistry Reviews</i> , 2017 , 352, 473-498	23.2	132
269	X-ray-induced photo-chemistry and X-ray absorption spectroscopy of biological samples. <i>Journal of Synchrotron Radiation</i> , 2012 , 19, 875-86	2.4	124
268	Molecular mechanism of AHSP-mediated stabilization of alpha-hemoglobin. <i>Cell</i> , 2004 , 119, 629-40	56.2	123
267	Chromium(V)-induced cleavage of DNA: are chromium(V) complexes the active carcinogens in chromium(VI)-induced cancers?. <i>Chemical Research in Toxicology</i> , 1989 , 2, 227-9	4	123
266	Anti-Inflammatory Dinuclear Copper(II) Complexes with Indomethacin. Synthesis, Magnetism and EPR Spectroscopy. Crystal Structure of the N,N-Dimethylformamide Adduct. <i>Inorganic Chemistry</i> , 1999 , 38, 1736-1744	5.1	118
265	Solvent Effects on the Electronic Spectrum of C ₆₀ . <i>The Journal of Physical Chemistry</i> , 1995 , 99, 5817-5825		105
264	Assessment tools for microplastics and natural fibres ingested by fish in an urbanised estuary. <i>Environmental Pollution</i> , 2018 , 234, 552-561	9.3	101
263	Characterization of a ruthenium(III)/NAMI-A adduct with bovine serum albumin that exhibits a high anti-metastatic activity. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1661-4	16.4	101

- 262 Activation of Molecular Oxygen during the Reactions of Chromium(VI/V/IV) with Biological Reductants: Implications for Chromium-Induced Genotoxicities¹. *Journal of the American Chemical Society*, **1998**, 120, 6704-6714 16.4 97
- 261 Metal-based anti-diabetic drugs: advances and challenges. *Dalton Transactions*, **2011**, 40, 11675-86 4.3 95
- 260 EPR characterisation of the CrV intermediates in the CrVI/V oxidations of organic substrates and of relevance to Cr-induced cancers. *Journal of the Chemical Society, Faraday Transactions*, **1995**, 91, 1207 81
- 259 Post-translational regulation of human indoleamine 2,3-dioxygenase activity by nitric oxide. *Journal of Biological Chemistry*, **2007**, 282, 23778-87 5.4 80
- 258 Gastrointestinal toxicity, antiinflammatory activity, and superoxide dismutase activity of copper and zinc complexes of the antiinflammatory drug indomethacin. *Chemical Research in Toxicology*, **2003**, 16, 28-37 4 80
- 257 A New Class of Layered Microporous Materials: Crystal Structure of Disodium Pentakis(trimethylphenylammonium) Bis[tris(oxalato(2-))chromate(III)] Chloride Pentahydrate. *Inorganic Chemistry*, **1995**, 34, 757-758 5.1 80
- 256 Cyclic voltammetry at microelectrodes in the absence of added electrolyte using a platinum quasi-reference electrode. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1986**, 199, 285-295 80
- 255 Bonding in HNO-myoglobin as characterized by X-ray absorption and resonance raman spectroscopies. *Journal of the American Chemical Society*, **2005**, 127, 814-5 16.4 78
- 254 New Insights into the Structures and Reactions of Chromium(V) Complexes: Implications for Chromium(VI) and Chromium(V) Oxidations of Organic Substrates and the Mechanisms of Chromium-Induced Cancers. *Comments on Inorganic Chemistry*, **1992**, 13, 133-175 3.9 76
- 253 Biomimetic oxidation of chromium(III): does the antidiabetic activity of chromium(III) involve carcinogenic chromium(VI)?. *Angewandte Chemie - International Edition*, **2004**, 43, 4504-7 16.4 75
- 252 Synthesis of the C₅₉N⁺ carbocation. A monomeric azafullerene isoelectronic to C₆₀. *Journal of the American Chemical Society*, **2003**, 125, 4024-5 16.4 75
- 251 The Synthesis and Structure of Encapsulating Ligands: Properties of Bicyclic Hexamines. *Australian Journal of Chemistry*, **1994**, 47, 143 1.2 75
- 250 Three-dimensional structure determination using multiple-scattering analysis of XAFS: applications to metalloproteins and coordination chemistry. *Coordination Chemistry Reviews*, **2005**, 249, 141-160 23.2 73
- 249 Structure and reactivity of a chromium(v) glutathione complex. *Inorganic Chemistry*, **2003**, 42, 767-84 5.1 70
- 248 Synthetically versatile (trifluoromethanesulfonato)metal amine complexes. *Inorganic Chemistry*, **1984**, 23, 2940-2947 5.1 68
- 247 EPR Spectroscopic Studies of the Reactions of Cr(VI) with L-Ascorbic Acid, L-Dehydroascorbic Acid, and 5,6-O-Isopropylidene-L-ascorbic Acid in Water.1 Implications for Chromium(VI) Genotoxicity. *Journal of the American Chemical Society*, **1996**, 118, 12624-12637 16.4 67
- 246 X-ray absorption and EPR spectroscopic studies of the biotransformations of chromium(VI) in mammalian cells. Is chromodulin an artifact of isolation methods?. *Journal of the American Chemical Society*, **2007**, 129, 1065-75 16.4 66
- 245 Preparation and characterization of dinuclear copper/indomethacin anti-inflammatory drugs. *Inorganica Chimica Acta*, **2001**, 324, 150-161 2.7 66

244	Silicon nitride as a versatile growth substrate for microspectroscopic imaging and mapping of individual cells. <i>Molecular BioSystems</i> , 2010 , 6, 1316-22		64
243	Kinetics and Mechanism of Chromium(VI) Reduction to Chromium(III) by L-Cysteine in Neutral Aqueous Solutions. <i>Inorganic Chemistry</i> , 1996 , 35, 7709-7717	5.1	62
242	Reactivity and Speciation of Anti-Diabetic Vanadium Complexes in Whole Blood and Its Components: The Important Role of Red Blood Cells. <i>Inorganic Chemistry</i> , 2015 , 54, 7753-66	5.1	61
241	Time-dependent uptake, distribution and biotransformation of chromium(VI) in individual and bulk human lung cells: application of synchrotron radiation techniques. <i>Journal of Biological Inorganic Chemistry</i> , 2005 , 10, 105-18	3.7	61
240	Electrochemistry of macrobicyclic (hexaamine)cobalt(III) complexes. 1. Metal-centered and substituent reductions. <i>Inorganic Chemistry</i> , 1983 , 22, 2010-2021	5.1	61
239	Permeability, cytotoxicity, and genotoxicity of Cr(III) complexes and some Cr(V) analogues in V79 Chinese hamster lung cells. <i>Chemical Research in Toxicology</i> , 2000 , 13, 742-8	4	60
238	Multiple protective activities of neuroglobin in cultured neuronal cells exposed to hypoxia re-oxygenation injury. <i>Journal of Neurochemistry</i> , 2009 , 108, 1143-54	6	59
237	Sialoglycoprotein and carbohydrate complexes in chromium toxicity. <i>Current Opinion in Chemical Biology</i> , 2003 , 7, 213-9	9.7	59
236	Determination of the FeLigand Bond Lengths and FeND Bond Angles in Horse Heart Ferric and Ferrous Nitrosylmyoglobin Using Multiple-Scattering XAFS Analyses. <i>Journal of the American Chemical Society</i> , 1998 , 120, 10827-10836	16.4	59
235	Biotransformations of anticancer ruthenium(III) complexes: an X-ray absorption spectroscopic study. <i>Chemistry - A European Journal</i> , 2013 , 19, 3609-19	4.8	58
234	Stability and Ligand Exchange Reactions of Chromium(IV) Carboxylato Complexes in Aqueous Solutions. <i>Inorganic Chemistry</i> , 1997 , 36, 5440-5448	5.1	57
233	Reactivity of chromium(III) nutritional supplements in biological media: an X-ray absorption spectroscopic study. <i>Inorganic Chemistry</i> , 2008 , 47, 4299-309	5.1	57
232	Solution structures of chromium(VI) complexes with glutathione and model thiols. <i>Inorganic Chemistry</i> , 2004 , 43, 324-35	5.1	57
231	Synthesis and crystal structure of a vanadium(V) complex with a 2-hydroxy acid ligand, (NH ₄) ₂ [V(OC(CH ₂ CH ₃) ₂ COO)(O) ₂] ₂ : a structural model of both vanadium(V) transferrin and ribonuclease complexes with inhibitors. <i>Inorganic Chemistry</i> , 1992 , 31, 343-345	5.1	57
230	Microprobe X-ray absorption spectroscopic determination of the oxidation state of intracellular chromium following exposure of V79 Chinese hamster lung cells to genotoxic chromium complexes. <i>Chemical Research in Toxicology</i> , 1997 , 10, 533-5	4	54
229	Stabilities and Biological Activities of Vanadium Drugs: What is the Nature of the Active Species?. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 1692-1699	4.5	51
228	Determination of the structures of antiinflammatory copper(II) dimers of indomethacin by multiple-scattering analyses of X-ray absorption fine structure data. <i>Inorganic Chemistry</i> , 2001 , 40, 1295-302	5.1	51
227	In vitro plasmid DNA cleavage by chromium(V) and -(IV) 2-hydroxycarboxylato complexes. <i>Chemical Research in Toxicology</i> , 1999 , 12, 371-81	4	51

226	Characterization of binuclear μ -peroxo and μ -superoxo cobalt(III) amine complexes from Raman spectroscopy. <i>Inorganic Chemistry</i> , 1978 , 17, 3317-3322	5.1	51
225	Hard X-ray microprobe studies of chromium(VI)-treated V79 Chinese hamster lung cells: intracellular mapping of the biotransformation products of a chromium carcinogen. <i>Journal of Biological Inorganic Chemistry</i> , 2002 , 7, 640-5	3.7	50
224	Macrocyclic (hexamine)platinum(IV) complexes: synthesis, characterization, and electrochemistry. <i>Journal of the American Chemical Society</i> , 1983 , 105, 4652-4661	16.4	48
223	Comparisons of π -bonding and hydrogen bonding in isomorphous compounds: $[M(NH_3)_5Cl]Cl_2$ (M = Cr, Co, Rh, Ir, Ru, Os). <i>Inorganic Chemistry</i> , 1986 , 25, 4553-4558	5.1	48
222	Imaging metals in proteins by combining electrophoresis with rapid x-ray fluorescence mapping. <i>ACS Chemical Biology</i> , 2010 , 5, 577-87	4.9	47
221	Disproportionation and nuclease activity of bis[2-ethyl-2-hydroxybutanoato(2-)]oxochromate(V) in neutral aqueous solutions. <i>Inorganic Chemistry</i> , 2000 , 39, 385-95	5.1	47
220	Pyrazine-bridged complexes. Synthesis of and spectroscopic studies on binuclear pyrazine complexes of osmium, ruthenium and rhodium amines. <i>Inorganic Chemistry</i> , 1988 , 27, 2364-2371	5.1	47
219	Role of tyrosine-103 in myoglobin peroxidase activity: kinetic and steady-state studies on the reaction of wild-type and variant recombinant human myoglobins with H_2O_2 . <i>Biochemistry</i> , 2002 , 41, 11495-503	3.2	46
218	Competition between 1,2-Diol and 2-Hydroxy Acid Coordination in Cr(V)-Quinic Acid Complexes: Implications for Stabilization of Cr(V) Intermediates of Relevance to Cr(VI)-Induced Carcinogenesis. <i>Journal of the American Chemical Society</i> , 1999 , 121, 7864-7876	16.4	46
217	Synthesis, Characterization, and Crystal Structure of a Vanadium(V)-Vanadium(IV)-Vanadium(V) Mixed-Valence Trinuclear Complex with a Tridentate Quinato Ligand, $(NH_4)_2[VV(O)_2]_2[VIV(O)](\mu\text{-}(-)\text{-quinato}(3-))_2 \cdot nH_2O$. <i>Inorganic Chemistry</i> , 1995 , 34, 877-882	5.1	46
216	Solvent dependence of the EPR spectra of oxochromate(V) complexes: solution structures and the effects of hydrogen bonding between the solvent and the complex. <i>Inorganic Chemistry</i> , 1990 , 29, 3089-3094	5.1	46
215	Biotransformations of Antidiabetic Vanadium Prodrugs in Mammalian Cells and Cell Culture Media: A XANES Spectroscopic Study. <i>Inorganic Chemistry</i> , 2015 , 54, 6707-18	5.1	45
214	Studies on the biotransformations and biodistributions of metal-containing drugs using X-ray absorption spectroscopy. <i>Current Topics in Medicinal Chemistry</i> , 2011 , 11, 553-71	3	45
213	Synthesis of (trifluoromethanesulfonato)pentaammineosmium(III): osmium(III) pentaammine complexes. <i>Journal of the American Chemical Society</i> , 1982 , 104, 7658-7659	16.4	45
212	Permeability, cytotoxicity, and genotoxicity of chromium (V) and chromium (VI) complexes in V79 Chinese hamster lung cells. <i>Chemical Research in Toxicology</i> , 1998 , 11, 119-29	4	44
211	Suppression by vanadium(IV) of chromium(V)-mediated DNA cleavage and chromium(VI/V)-induced mutagenesis. Synthesis and crystal structure of the vanadium(IV) complex $(NH_4)[V(O)\{HOC(Et)_2COO\}\{OC(Et)_2COO\}]$. <i>Inorganic Chemistry</i> , 1992 , 31, 4906-4908	5.1	44
210	Osmium(IV)-mediated oxidative dehydrogenation of coordinated amines: crystal and molecular structures of cis-1,2-ethanediaminebis(1,2-ethanediaminato(1-))osmium(IV) dibromide. <i>Journal of the American Chemical Society</i> , 1982 , 104, 6161-6164	16.4	44
209	EPR Spectroscopic Studies on the Formation of Chromium(V) Peroxo Complexes in the Reaction of Chromium(VI) with Hydrogen Peroxide. <i>Inorganic Chemistry</i> , 1998 , 37, 1729-1733	5.1	43

208	In vitro DNA damage and mutations induced by a macrocyclic tetraamide chromium(V) complex: implications for the role of Cr(V) peptide complexes in chromium-induced cancers. <i>Carcinogenesis</i> , 1993 , 14, 1875-80	4.6	43
207	Carcinogenic Chromium(VI) Compounds Formed by Intracellular Oxidation of Chromium(III) Dietary Supplements by Adipocytes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1742-5	16.4	43
206	Light-Induced Electron-Transfer Reactions Involving the Tris(2,2'-Bipyridine)Ruthenium Dication and Related Complexes. 3. Improved Synthesis of 2,2'-Bipyridine-4,4'-Dicarboxylic Acid and Photoreduction of Water by Bis(2,2'-Bipyridine)(2,2'-Bipyridine-4,4'-Dicarboxylic Acid)Ruthenium(II). <i>Australian Journal of Chemistry</i> , 1986 , 39, 1053	1.2	41
205	Cis-Bis(2,2'-Bipyridine-N,N') Complexes of Ruthenium(III)/(II) and Osmium(III)/(II). <i>Inorganic Syntheses</i> , 2007 , 291-299		39
204	Charge distribution in chromium and vanadium catecholato complexes: X-ray absorption spectroscopic and computational studies. <i>Inorganic Chemistry</i> , 2006 , 45, 4743-54	5.1	39
203	Chromium(VI) reduction by catechol(amine)s results in DNA cleavage in vitro: relevance to chromium genotoxicity. <i>Chemical Research in Toxicology</i> , 2001 , 14, 500-10	4	39
202	Synthesis and properties of macrobicyclic amine complexes of rhodium(III) and iridium(III). <i>Journal of the American Chemical Society</i> , 1983 , 105, 5503-5505	16.4	39
201	Reactions of Chromium(VI/V/IV) with Bis(O-ethyl-L-cysteinato-N,S)zinc(II): A Model for the Action of Carcinogenic Chromium on Zinc-Finger Proteins ¹ . <i>Journal of the American Chemical Society</i> , 2000 , 122, 6208-6216	16.4	38
200	Syntheses of pentaammineosmium(III) and -osmium(II) complexes: pentaammine(trifluoromethanesulfonato-O)osmium(III). <i>Inorganic Chemistry</i> , 1989 , 28, 3001-3007	5.1	38
199	High cytotoxicity of vanadium(IV) complexes with 1,10-phenanthroline and related ligands is due to decomposition in cell culture medium. <i>Journal of Biological Inorganic Chemistry</i> , 2017 , 22, 663-672	3.7	37
198	Hydrophobicity may enhance membrane affinity and anti-cancer effects of Schiff base vanadium(v) catecholate complexes. <i>Dalton Transactions</i> , 2019 , 48, 6383-6395	4.3	37
197	Specific hydrogen-bonding contributions to the thermodynamics and kinetics of electron transfer. Modifications to the classical and semiclassical theories of electron transfer. <i>The Journal of Physical Chemistry</i> , 1986 , 90, 878-885		37
196	Formation and reactivity of chromium(V)-thiolato complexes: a model for the intracellular reactions of carcinogenic chromium(VI) with biological thiols. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8720-31	16.4	36
195	Optical bistability for ZnO/2O ₅ /TeO ₂ glasses. <i>Optical Materials</i> , 2004 , 25, 401-405	3.3	36
194	(Trifluoromethanesulfonato-O)pentaammine complexes: versatile synthetic intermediates. <i>Inorganic Chemistry</i> , 1983 , 22, 846-847	5.1	36
193	Base-catalyzed nitrito to nitro linkage isomerization of cobalt(III), rhodium(III), and iridium(III) pentaammine complexes. <i>Inorganic Chemistry</i> , 1980 , 19, 904-910	5.1	36
192	Vibrational spectroscopic mapping and imaging of tissues and cells. <i>Biophysical Reviews</i> , 2009 , 1, 95-103	3.7	35
191	Nickel(II) complexes with amide ligands: oxidative dehydrogenation of the amines in a tetradentate diamide-diamine ligand. <i>Dalton Transactions RSC</i> , 2002 , 931		35

190	Cobalt caged complexes as electron-transfer agents in the photoreduction of water. <i>Inorganic Chemistry</i> , 1983 , 22, 2347-2349	5.1	35
189	An EPR Spectroscopic Study of Chromium(V) Oxalato Complexes in Aqueous Solutions. Mechanism of the Chromium(VI) Oxidation of Oxalic Acid. <i>Inorganic Chemistry</i> , 1998 , 37, 3159-3166	5.1	34
188	Chromium(V) complexes of hydroxamic acids: formation, structures, and reactivities. <i>Inorganic Chemistry</i> , 2005 , 44, 2934-43	5.1	34
187	Synthesis and characterization of a chromium(V) cis-dioxo bis(1,10-phenanthroline) complex and crystal and molecular structures of its chromium(III) precursor. <i>Inorganic Chemistry</i> , 2004 , 43, 7844-56	5.1	34
186	Voltammetry of Plastocyanin at a Graphite Electrode: Effects of Structure, Charge, and Electrolyte. <i>Inorganic Chemistry</i> , 1996 , 35, 7156-7165	5.1	34
185	Proton transfer in the excited state of carboxylic acid derivatives of tris(2,2'-bipyridine-N,N')ruthenium(II). <i>Inorganic Chemistry</i> , 1984 , 23, 4123-4125	5.1	34
184	Status of the X-Ray Absorption Spectroscopy (XAS) Beamline at the Australian Synchrotron. <i>AIP Conference Proceedings</i> , 2007 ,	0	33
183	EPR spectroscopic studies of the reduction of chromium(VI) by methanol in the presence of peptides. Formation of long-lived chromium(V) peptide complexes. <i>Inorganic Chemistry</i> , 2001 , 40, 78-86	5.1	33
182	Binding of Chromium(III) to Transferrin Could Be Involved in Detoxification of Dietary Chromium(III) Rather than Transport of an Essential Trace Element. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8104-7	16.4	32
181	Biomedical applications of X-ray absorption and vibrational spectroscopic microscopies in obtaining structural information from complex systems. <i>Radiation Physics and Chemistry</i> , 2010 , 79, 176-184	2.5	32
180	Solvent Effects on the Electrochemistry of C60. Thermodynamics of Solvation of C60 and Fullerides. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 6350-6358	3.4	32
179	X-ray absorption spectroscopic studies of chromium(V/IV/III)- 2-ethyl-2-hydroxybutanoato(2-/1-) complexes. <i>Inorganic Chemistry</i> , 2004 , 43, 1046-55	5.1	32
178	Characterization and X-ray absorption spectroscopic studies of bis[quinato(2-)]oxochromate(V). <i>Inorganic Chemistry</i> , 2000 , 39, 990-7	5.1	32
177	Comparison of KP1019 and NAMI-A in tumour-mimetic environments. <i>Metallomics</i> , 2016 , 8, 762-73	4.5	31
176	A potential role for protein tyrosine phosphatase inhibition by a Ru(III)-edta complex (edta = ethylenediaminetetraacetate) in its biological activity. <i>Chemical Communications</i> , 2008 , 2864-6	5.8	31
175	DNA Interactions and Bacterial Mutagenicity of Some Chromium(III) Imine Complexes and their Chromium(V) Analogues. Evidence for Chromium(V) Intermediates in the Genotoxicity of Chromium(III). <i>Australian Journal of Chemistry</i> , 2000 , 53, 411	1.2	31
174	Recent developments on the mechanisms of substitution reactions of octahedral coordination complexes. <i>Coordination Chemistry Reviews</i> , 1991 , 110, 213-233	23.2	31
173	New Insights into the Mechanisms of Spontaneous and Base-Catalysed Substitution Reactions of the Inert Metal Amine Complexes. <i>Comments on Inorganic Chemistry</i> , 1991 , 11, 235-284	3.9	31

172	Solvent dependence, metal ion catalysis and base catalysis of nitrito to nitro linkage isomerization of pentaamminenitritocobalt(III). <i>Australian Journal of Chemistry</i> , 1982 , 35, 1561	1.2	31
171	Uncovering system-specific stress signatures in primate teeth with multimodal imaging. <i>Scientific Reports</i> , 2016 , 6, 18802	4.9	31
170	Reactivity-activity relationships of oral anti-diabetic vanadium complexes in gastrointestinal media: an X-ray absorption spectroscopic study. <i>Metallomics</i> , 2014 , 6, 1880-8	4.5	30
169	Binding of chromium(VI) to histones: implications for chromium(VI)-induced genotoxicity. <i>Journal of Biological Inorganic Chemistry</i> , 2006 , 11, 225-34	3.7	30
168	Disproportionation of a model chromium(V) complex causes extensive chromium(III)-DNA binding in vitro. <i>Chemical Research in Toxicology</i> , 2001 , 14, 946-50	4	30
167	Determination of Iron-Ligand Bond Lengths in Horse Heart Met- and Deoxymyoglobin Using Multiple-Scattering XAFS Analyses. <i>Inorganic Chemistry</i> , 1998 , 37, 5743-5753	5.1	30
166	Ligand-exchange reactions of chromium(V): characterization of the ligand-exchange equilibria of bis(2-ethyl-2-hydroxybutanoato(2-))oxochromate(V) in aqueous 1,2-ethanediol and the solution structure of bis(1,2-ethanediolato(2-))oxochromate(V). <i>Inorganic Chemistry</i> , 1991 , 30, 1557-1564	5.1	30
165	Mechanism of the water-mediated reduction of tris(2,2'-bipyridine-N,N')iron(III), -ruthenium(III), and -osmium(III) complexes. <i>Inorganic Chemistry</i> , 1985 , 24, 4707-4710	5.1	30
164	Vanadium speciation by XANES spectroscopy: a three-dimensional approach. <i>Chemistry - A European Journal</i> , 2014 , 20, 12056-60	4.8	29
163	EPR studies of chromium(V) intermediates generated via reduction of chromium(VI) by DOPA and related catecholamines: potential role for oxidized amino acids in chromium-induced cancers. <i>Inorganic Chemistry</i> , 2000 , 39, 2729-39	5.1	29
162	Chromium(V)-sialic (neuraminic) acid species are formed from mixtures of chromium(VI) and saliva. <i>Journal of the American Chemical Society</i> , 2001 , 123, 11799-800	16.4	29
161	Redox Potentials of Chromium(V)/(IV), -(V)/(III), and -(IV)/(III) Complexes with 2-Ethyl-2-hydroxybutanoato(2-)-Ligands. <i>Journal of the American Chemical Society</i> , 1996 , 118, 7139-7144	16.4	29
160	A common mechanism for the spontaneous aquations of pentaaminecobalt(III) and pentaaminechromium(III) complexes. Ground-state control rather than activated-state control of kinetic differences between cobalt(III) and chromium(III). <i>Inorganic Chemistry</i> , 1987 , 26, 2144-2149	5.1	29
159	Mixed-valence pyrazine-bridged binuclear complexes of osmium amines. <i>Journal of the American Chemical Society</i> , 1983 , 105, 2507-2509	16.4	29
158	Migration of mercury from dental amalgam through human teeth. <i>Journal of Synchrotron Radiation</i> , 2008 , 15, 123-8	2.4	28
157	Instrumental configurations for the determination of sub-micromolar concentrations of electroactive species with carbon, gold and platinum microdisk electrodes in static and flow-through cells. <i>Analytica Chimica Acta</i> , 1986 , 187, 67-77	6.6	28
156	Reactivity of potential anti-diabetic molybdenum(VI) complexes in biological media: a XANES spectroscopic study. <i>Journal of Inorganic Biochemistry</i> , 2007 , 101, 1586-93	4.2	27
155	A link between copper and dental caries in human teeth identified by X-ray fluorescence elemental mapping. <i>Journal of Biological Inorganic Chemistry</i> , 2008 , 13, 303-6	3.7	27

154	NMR spectroscopic characterization of copper(II) and zinc(II) complexes of indomethacin. <i>Inorganic Chemistry</i> , 2004 , 43, 2943-6	5.1	27
153	Determination of Iron-Ligand Bond Lengths in Ferric and Ferrous Horse Heart Cytochrome c Using Multiple-Scattering Analyses of XAFS Data. <i>Inorganic Chemistry</i> , 1999 , 38, 5703-5708	5.1	27
152	X-ray absorption spectroscopic and electrochemical studies of tris(catecholato(2-))chromate(V/IV/III) complexes. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 462-5	16.4	26
151	Solvent/C60 interactions evidenced in the resonance Raman spectrum of C60. <i>Chemical Physics Letters</i> , 1996 , 248, 353-360	2.5	26
150	Stabilization of Cobalt Cage Conformers in the Solid State and Solution. <i>Inorganic Chemistry</i> , 1994 , 33, 4553-4561	5.1	26
149	Recent Advances in Osmium Chemistry. <i>Advances in Inorganic Chemistry</i> , 1991 , 37, 219-379	2.1	26
148	A Molecular Probe for the Detection of Polar Lipids in Live Cells. <i>PLoS ONE</i> , 2016 , 11, e0161557	3.7	26
147	Resonance Raman Scattering from Solutions of C60. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 2960-2968		25
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7	Response to Guzzi & Pigatto's Comments on Migration of mercury from dental amalgam through human teeth by H. H. Harris et al. (2008). <i>J. Synchrotron Rad.</i> 15, 123-128. <i>Journal of Synchrotron Radiation</i> , 2009 , 16, 437-438	2.4	1
6	Cis- and Trans-Bis(1,2-Ethanediamine)-Rhodium(III) Complexes. <i>Inorganic Syntheses</i> , 2007 , 283-287		1
5	Cis- and Trans-Bis(1,2-Ethanediamine)-Iridium(III) Complexes. <i>Inorganic Syntheses</i> , 2007 , 287-291		1
4	Ruthenium(II)-Arene Thiocarboxylates: Identification of a Stable Dimer Selectively Cytotoxic to Invasive Breast Cancer Cells. <i>ChemBioChem</i> , 2020 , 21, 1188-1200	3.8	1
3	Hans C. Freeman preface. <i>Journal of Inorganic Biochemistry</i> , 2012 , 115, 113	4.2	0
2	Pentaammineiridium(III) and Hexaammineiridium(III) Complexes. <i>Inorganic Syntheses</i> , 2007 , 263-269		
1	Flexible ultramicroline electrodes. <i>Electroanalysis</i> , 1990 , 2, 235-239	3	