

# Peter A. Lay

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A Bimodal Fluorescence-Raman Probe for Cellular Imaging. <i>Cells</i> , <b>2021</b> , 10,	7.9	2
278	Concentrations of toxic metals and essential trace elements vary among individual neurons in the human locus ceruleus. <i>PLoS ONE</i> , <b>2020</b> , 15, e0233300	3.7	9
277	Vanadium(V/IV)-Transferrin Binding Disrupts the Transferrin Cycle and Reduces Vanadium Uptake and Antiproliferative Activity in Human Lung Cancer Cells. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 16143-16153	5.1	9
276	A Short-Lived but Highly Cytotoxic Vanadium(V) Complex as a Potential Drug Lead for Brain Cancer Treatment by Intratumoral Injections. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 15834-15838	16.4	24
275	Ruthenium(II)-Arene Thiocarboxylates: Identification of a Stable Dimer Selectively Cytotoxic to Invasive Breast Cancer Cells. <i>ChemBioChem</i> , <b>2020</b> , 21, 1188-1200	3.8	1
274	A Short-Lived but Highly Cytotoxic Vanadium(V) Complex as a Potential Drug Lead for Brain Cancer Treatment by Intratumoral Injections. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 15968-15972	3.6	4
273	Redox chemistry and biological activities of chromium(III) complexes <b>2019</b> , 281-321		2
272	Hydrophobicity may enhance membrane affinity and anti-cancer effects of Schiff base vanadium(v) catecholate complexes. <i>Dalton Transactions</i> , <b>2019</b> , 48, 6383-6395	4.3	37
271	Transferrin Cycle and Clinical Roles of Citrate and Ascorbate in Improved Iron Metabolism. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 893-900	4.9	11
270	Reactivity and Transformation of Antimetastatic and Cytotoxic Rhodium(III)-Dimethyl Sulfoxide Complexes in Biological Fluids: An XAS Speciation Study. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 4880-4893	5.1	6
269	Vanadium(V) tris-3,5-di-tert-butylcatecholato complex: Links between speciation and anti-proliferative activity in human pancreatic cancer cells. <i>Journal of Inorganic Biochemistry</i> , <b>2019</b> , 201, 110815	4.2	15
268	Synthesis, characterization and in vitro anti-cancer activity of vanadium-doped nanocrystalline hydroxyapatite. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 17891-17901	3.6	5
267	Assessment tools for microplastics and natural fibres ingested by fish in an urbanised estuary. <i>Environmental Pollution</i> , <b>2018</b> , 234, 552-561	9.3	101
266	Lipid profiles of prostate cancer cells. <i>Oncotarget</i> , <b>2018</b> , 9, 35541-35552	3.3	22
265	Localized thinning for strain concentration in suspended germanium membranes and optical method for precise thickness measurement. <i>AIP Advances</i> , <b>2018</b> , 8, 115131	1.5	2
264	Focal plane array IR imaging at the Australian Synchrotron. <i>Infrared Physics and Technology</i> , <b>2018</b> , 94, 85-90	2.7	5
263	(Pentamethylcyclopentadienato)rhodium Complexes for Delivery of the Curcumin Anticancer Drug. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 1812-1823	2.3	15

262	Stabilities and Biological Activities of Vanadium Drugs: What is the Nature of the Active Species?. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 1692-1699	4.5	51
261	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> , <b>2017</b> , 22, 663-672	3.7	37
260	Infrared spectroscopic characterization of monocytic microvesicles (microparticles) released upon lipopolysaccharide stimulation. <i>FASEB Journal</i> , <b>2017</b> , 31, 2817-2827	0.9	16
259	Speciation of metal drugs, supplements and toxins in media and bodily fluids controls in vitro activities. <i>Coordination Chemistry Reviews</i> , <b>2017</b> , 352, 473-498	23.2	132
258	Biospeciation of Cr(III) Nutritional Supplements in Biological Fluids. <i>Makara Journal of Science</i> , <b>2017</b> , 21,	0.6	2
257	Imaging of Vanadium in Microfossils: A New Potential Biosignature. <i>Astrobiology</i> , <b>2017</b> , 17, 1069-1076	3.7	7
256	Synthesis, reactivities and anti-cancer properties of ruthenium(II) complexes with a thiaether macrocyclic ligand. <i>Inorganica Chimica Acta</i> , <b>2017</b> , 454, 128-138	2.7	6
255	Comparison of KP1019 and NAMI-A in tumour-mimetic environments. <i>Metallomics</i> , <b>2016</b> , 8, 762-73	4.5	31
254	XAS spectroelectrochemistry: reliable measurement of X-ray absorption spectra from redox manipulated solutions at room temperature. <i>Journal of Synchrotron Radiation</i> , <b>2016</b> , 23, 743-50	2.4	11
253	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> , <b>2016</b> , 55, 8104-7	16.4	32
252	A novel class of copper(II)- and zinc(II)-bound non-steroidal anti-inflammatory drugs that inhibits acute inflammation in vivo. <i>Cell and Bioscience</i> , <b>2016</b> , 6, 9	9.8	21
251	Unprecedented staining of polar lipids by a luminescent rhenium complex revealed by FTIR microspectroscopy in adipocytes. <i>Molecular BioSystems</i> , <b>2016</b> , 12, 2064-8		23
250	Carcinogenic Chromium(VI) Compounds Formed by Intracellular Oxidation of Chromium(III) Dietary Supplements by Adipocytes. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 1774-1777	3.6	7
249	Simultaneous biosynthesis of putrebactin, avaroferrin and bisucaberin by <i>Shewanella putrefaciens</i> and characterisation of complexes with iron(III), molybdenum(VI) or chromium(V). <i>Journal of Inorganic Biochemistry</i> , <b>2016</b> , 162, 207-215	4.2	23
248	A Molecular Probe for the Detection of Polar Lipids in Live Cells. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161557	3.7	26
247	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</i> , <b>2016</b> , 128, 8236-8239	3.6	4
246	Carcinogenic Chromium(VI) Compounds Formed by Intracellular Oxidation of Chromium(III) Dietary Supplements by Adipocytes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 1742-5	16.4	43
245	Uncovering system-specific stress signatures in primate teeth with multimodal imaging. <i>Scientific Reports</i> , <b>2016</b> , 6, 18802	4.9	31

244	Spectroscopic characterization of genotoxic chromium(V) peptide complexes: Oxidation of Chromium(III) triglycine, tetraglycine and pentaglycine complexes. <i>Journal of Inorganic Biochemistry</i> , <b>2016</b> , 162, 227-237	4.2	15
243	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> , <b>2015</b> , 54, 7753-66	5.1	61
242	Vanadium(V) and -(IV) complexes of anionic polysaccharides: Controlled release pharmaceutical formulations and models of vanadium biotransformation products. <i>Journal of Inorganic Biochemistry</i> , <b>2015</b> , 147, 227-34	4.2	13
241	Biotransformations of Antidiabetic Vanadium Prodrugs in Mammalian Cells and Cell Culture Media: A XANES Spectroscopic Study. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 6707-18	5.1	45
240	Mechanisms of murine cerebral malaria: Multimodal imaging of altered cerebral metabolism and protein oxidation at hemorrhage sites. <i>Science Advances</i> , <b>2015</b> , 1, e1500911	14.3	23
239	EXAFS and EPR Studies of the Alkene Oxidation Catalyst Species trans-[CrIII(bpb)(L)2] <sup>n+</sup> and CrV Oxidation Products (bpb=N,N'-Bis(2-pyridinecarboxamido)-1,2-benzene). <i>Australian Journal of Chemistry</i> , <b>2015</b> , 68, 581	1.2	3
238	Parkinson's disease-linked human PARK9/ATP13A2 maintains zinc homeostasis and promotes $\beta$ Synuclein externalization via exosomes. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 2816-33	5.6	172
237	Influence of an anti-metastatic ruthenium(III) prodrug on extracellular protein-protein interactions: studies by bio-layer interferometry. <i>Inorganic Chemistry Frontiers</i> , <b>2014</b> , 1, 44-48	6.8	21
236	Reactivity-activity relationships of oral anti-diabetic vanadium complexes in gastrointestinal media: an X-ray absorption spectroscopic study. <i>Metallomics</i> , <b>2014</b> , 6, 1880-8	4.5	30
235	Vanadium speciation by XANES spectroscopy: a three-dimensional approach. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 12056-60	4.8	29
234	Solid-state structural studies of chromium(III) nicotinate nutritional supplements. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 10685-94	5.1	11
233	The Fe-heme structure of met-indoleamine 2,3-dioxygenase-2 determined by X-ray absorption fine structure. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 450, 25-9	3.4	4
232	CHAPTER 7:Chromium. <i>2-Oxoglutarate-Dependent Oxygenases</i> , <b>2014</b> , 188-222	1.8	6
231	Light and heavy ion beam analysis of thin biological sections. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 306, 129-133	1.2	10
230	Native oxides and their effect on electrochemical characteristics of ta-C:N films. <i>Surface and Coatings Technology</i> , <b>2013</b> , 228, S486-S489	4.4	1
229	Biotransformations of anticancer ruthenium(III) complexes: an X-ray absorption spectroscopic study. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 3609-19	4.8	58
228	Intracellular targeting and pharmacological activity of the superoxide dismutase mimics MnTE-2-PyP5 <sup>+</sup> and MnTnHex-2-PyP5 <sup>+</sup> regulated by their porphyrin ring substituents. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 4121-3	5.1	24
227	Isolation, characterization, and nuclease activity of biologically relevant chromium(V) complexes with monosaccharides and model diols. Likely intermediates in chromium-induced cancers. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 4282-92	5.1	17

226	Hemoglobin-stabilizing protein (AHSP) perturbs the proximal heme pocket of oxy-hemoglobin and weakens the iron-oxygen bond. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 19986-20001	5.4	11
225	FTIR imaging of brain tissue reveals crystalline creatine deposits are an ex vivo marker of localized ischemia during murine cerebral malaria: general implications for disease neurochemistry. <i>ACS Chemical Neuroscience</i> , <b>2012</b> , 3, 1017-24	5.7	18
224	Synthesis and characterization of a chromium(V) cis-1,2-cyclohexanediolato complex: a model of reactive intermediates in chromium-induced cancers. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 11238-40	5.1	13
223	X-ray-induced photo-chemistry and X-ray absorption spectroscopy of biological samples. <i>Journal of Synchrotron Radiation</i> , <b>2012</b> , 19, 875-86	2.4	124
222	Hans C. Freeman preface. <i>Journal of Inorganic Biochemistry</i> , <b>2012</b> , 115, 113	4.2	0
221	Chromium: Biological Relevance <b>2012</b> ,		7
220	Synchrotron radiation induced X-ray emission studies of the antioxidant mechanism of the organoselenium drug ebselen. <i>Journal of Biological Inorganic Chemistry</i> , <b>2012</b> , 17, 589-98	3.7	15
219	Metal-based anti-diabetic drugs: advances and challenges. <i>Dalton Transactions</i> , <b>2011</b> , 40, 11675-86	4.3	95
218	Investigation of the mouse cerebellum using STIM and $\mu$ PIXE spectrometric and FTIR spectroscopic mapping and imaging. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2011</b> , 269, 2260-2263	1.2	12
217	Chemical alterations to murine brain tissue induced by formalin fixation: implications for biospectroscopic imaging and mapping studies of disease pathogenesis. <i>Analyst, The</i> , <b>2011</b> , 136, 2941-52 <sup>5</sup>		136
216	Studies on the biotransformations and biodistributions of metal-containing drugs using X-ray absorption spectroscopy. <i>Current Topics in Medicinal Chemistry</i> , <b>2011</b> , 11, 553-71	3	45
215	Imaging metals in proteins by combining electrophoresis with rapid x-ray fluorescence mapping. <i>ACS Chemical Biology</i> , <b>2010</b> , 5, 577-87	4.9	47
214	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> , <b>2010</b> , 132, 8720-31	16.4	36
213	Silicon nitride as a versatile growth substrate for microspectroscopic imaging and mapping of individual cells. <i>Molecular BioSystems</i> , <b>2010</b> , 6, 1316-22		64
212	Inhibition of experimental colorectal cancer and reduction in renal and gastrointestinal toxicities by copper-indomethacin in rats. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2010</b> , 66, 755-64	3.5	24
211	Biomedical applications of X-ray absorption and vibrational spectroscopic microscopies in obtaining structural information from complex systems. <i>Radiation Physics and Chemistry</i> , <b>2010</b> , 79, 176-184	2.5	32
210	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> , <b>2010</b> , 49, 1661-4	16.4	101
209	Vibrational spectroscopic mapping and imaging of tissues and cells. <i>Biophysical Reviews</i> , <b>2009</b> , 1, 95-103	3.7	35

208	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> <b>15</b> , 1231-1238. <i>Journal of Synchrotron Radiation</i> , <b>2009</b> , 16, 437-438	2.4	1
207	Multiple protective activities of neuroglobin in cultured neuronal cells exposed to hypoxia re-oxygenation injury. <i>Journal of Neurochemistry</i> , <b>2009</b> , 108, 1143-54	6	59
206	Recent developments in ruthenium anticancer drugs. <i>Metallomics</i> , <b>2009</b> , 1, 458-70	4.5	492
205	Semiconductor properties and redox responses at a-C:N thin film electrochemical electrodes. <i>Diamond and Related Materials</i> , <b>2009</b> , 18, 1211-1217	3.5	16
204	Correlation of film structure and molecular oxygen reduction at nitrogen doped amorphous carbon thin film electrochemical electrodes. <i>Diamond and Related Materials</i> , <b>2009</b> , 18, 1102-1108	3.5	10
203	Dependence of the Properties of Cobalt(III) Cage Complex as a Function of the Derivatization of Amine Substituents. <i>Australian Journal of Chemistry</i> , <b>2009</b> , 62, 1280	1.2	6
202	Chromium in Cancer and Dietary Supplements. <i>Biological Magnetic Resonance</i> , <b>2009</b> , 551-579	0.5	6
201	Chemical properties and toxicity of chromium(III) nutritional supplements. <i>Chemical Research in Toxicology</i> , <b>2008</b> , 21, 563-71	4	149
200	Reactivity of chromium(III) nutritional supplements in biological media: an X-ray absorption spectroscopic study. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 4299-309	5.1	57
199	A potential role for protein tyrosine phosphatase inhibition by a Ru(III)-edta complex (edta = ethylenediaminetetraacetate) in its biological activity. <i>Chemical Communications</i> , <b>2008</b> , 2864-6	5.8	31
198	A link between copper and dental caries in human teeth identified by X-ray fluorescence elemental mapping. <i>Journal of Biological Inorganic Chemistry</i> , <b>2008</b> , 13, 303-6	3.7	27
197	Migration of mercury from dental amalgam through human teeth. <i>Journal of Synchrotron Radiation</i> , <b>2008</b> , 15, 123-8	2.4	28
196	Correlation between film structures and potential limits for hydrogen and oxygen evolutions at a-C:N film electrochemical electrodes. <i>Carbon</i> , <b>2008</b> , 46, 663-670	10.4	19
195	Deposition of a-C:N films and evaluation of their robustness in electrochemical applications. <i>Thin Solid Films</i> , <b>2008</b> , 516, 5231-5235	2.2	4
194	Trifluoromethanesulfonates and Trifluoromethanesulfonato-O Complexes. <i>Inorganic Syntheses</i> , <b>2007</b> , 70-76		11
193	Pentaammineiridium(III) and Hexaammineiridium(III) Complexes. <i>Inorganic Syntheses</i> , <b>2007</b> , 263-269		
192	Cis- and Trans-Bis(1,2-Ethanediamine)-Rhodium(III) Complexes. <i>Inorganic Syntheses</i> , <b>2007</b> , 283-287		1
191	Cis- and Trans-Bis(1,2-Ethanediamine)-Iridium(III) Complexes. <i>Inorganic Syntheses</i> , <b>2007</b> , 287-291		1

190	Reactivity of potential anti-diabetic molybdenum(VI) complexes in biological media: a XANES spectroscopic study. <i>Journal of Inorganic Biochemistry</i> , <b>2007</b> , 101, 1586-93	4.2	27
189	Post-translational regulation of human indoleamine 2,3-dioxygenase activity by nitric oxide. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 23778-87	5.4	80
188	Introduction to Trifluoromethanesulfonates and Trifluoromethanesulfonato-O Complexes. <i>Inorganic Syntheses</i> , <b>2007</b> , 243-250		8
187	Cis-Bis(2,2'-Bipyridine-N,N') Complexes of Ruthenium(III)/(II) and Osmium(III)/(II). <i>Inorganic Syntheses</i> , <b>2007</b> , 291-299		39
186	(2,2'-Bipyridine-N,N')(2,2':6',2'-Terpyridine-N,N',N') Complexes of Ruthenium(III)/(II) and Osmium(III)/(II). <i>Inorganic Syntheses</i> , <b>2007</b> , 299-306		5
185	Status of the X-Ray Absorption Spectroscopy (XAS) Beamline at the Australian Synchrotron. <i>AIP Conference Proceedings</i> , <b>2007</b> ,	0	33
184	Pentaammineosmium(III) and Hexaammineosmium(III) Complexes. <i>Inorganic Syntheses</i> , <b>2007</b> , 269-277		8
183	Redox chemistry and biological activities of chromium(III) complexes <b>2007</b> , 225-256		13
182	X-ray Absorption and EPR Spectroscopic Studies of the Biotransformations of Chromium(VI) in Mammalian Cells. Is Chromodulin an Artifact of Isolation Methods? [J. Am. Chem. Soc.2007,129, 1065-1075].. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 9832-9832	16.4	4
181	X-ray absorption and EPR spectroscopic studies of the biotransformations of chromium(VI) in mammalian cells. Is chromodulin an artifact of isolation methods?. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 1065-75	16.4	66
180	Pentaammineruthenium(III), Pentaammineruthenium(II), and Binuclear Decaamminediruthenium(III)/(II) Complexes. <i>Inorganic Syntheses</i> , <b>2007</b> , 257-263		7
179	Spectroelectrochemical evidence for communication within a laterally-bridged dimanganese(III) bis-porphyrin. <i>Dalton Transactions</i> , <b>2006</b> , 4805-13	4.3	8
178	Charge distribution in chromium and vanadium catecholato complexes: X-ray absorption spectroscopic and computational studies. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 4743-54	5.1	39
177	The endothelium-derived hyperpolarizing factor, H <sub>2</sub> O <sub>2</sub> , promotes metal-ion efflux in aortic endothelial cells: elemental mapping by a hard X-ray microprobe. <i>Biochemistry</i> , <b>2006</b> , 45, 12500-9	3.2	19
176	Chromium(V) complexes generated in <i>Arthrobacter oxydans</i> by simulation analysis of EPR spectra. <i>Journal of Inorganic Biochemistry</i> , <b>2006</b> , 100, 1827-33	4.2	22
175	Binding of chromium(VI) to histones: implications for chromium(VI)-induced genotoxicity. <i>Journal of Biological Inorganic Chemistry</i> , <b>2006</b> , 11, 225-34	3.7	30
174	Chromium(V) complexes of hydroxamic acids: formation, structures, and reactivities. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 2934-43	5.1	34
173	Chromium(V) peptide complexes: synthesis and spectroscopic characterization. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 1044-53	5.1	21

172	Bonding in HNO-myoglobin as characterized by X-ray absorption and resonance raman spectroscopies. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 814-5	16.4	78
171	Nuclear magnetic resonance analysis of indomethacin-induced gastric ulcers. <i>Chemical Research in Toxicology</i> , <b>2005</b> , 18, 123-8	4	15
170	The EPR pattern of CrV complexes of d-ribose derivatives. <i>Polyhedron</i> , <b>2005</b> , 24, 1079-1085	2.7	7
169	Mechanistic studies of relevance to the biological activities of chromium. <i>Coordination Chemistry Reviews</i> , <b>2005</b> , 249, 281-298	23.2	197
168	Three-dimensional structure determination using multiple-scattering analysis of XAFS: applications to metalloproteins and coordination chemistry. <i>Coordination Chemistry Reviews</i> , <b>2005</b> , 249, 141-160	23.2	73
167	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> , <b>2005</b> , 10, 105-18	3.7	61
166	The effect of metal ions on the electrochemistry of the antitumor antibiotic streptonigrin. <i>Journal of Inorganic Biochemistry</i> , <b>2004</b> , 98, 720-6	4.2	8
165	X-ray absorption spectroscopic and electrochemical studies of tris(catecholato(2-))chromate(V/IV/III) complexes. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 462-5	16.4	26
164	Biomimetic oxidation of chromium(III): does the antidiabetic activity of chromium(III) involve carcinogenic chromium(VI)?. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 4504-7	16.4	75
163	X-ray Absorption Spectroscopic and Electrochemical Studies of Tris(catecholato(2-))chromate(V/IV/III) Complexes. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 468-471	3.6	6
162	Biomimetic Oxidation of Chromium(III): Does the Antidiabetic Activity of Chromium(III) Involve Carcinogenic Chromium(VI)?. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 4604-4607	3.6	7
161	Optical bistability for ZnO:Nb <sub>2</sub> O <sub>5</sub> :TeO <sub>2</sub> glasses. <i>Optical Materials</i> , <b>2004</b> , 25, 401-405	3.3	36
160	The Unusual Intensity Behavior of the 281-cm <sup>-1</sup> Resonance Raman Band of C <sub>60</sub> : A Complex Tale of Vibronic Coupling, Symmetry Reduction, Solvatochromism, and Jahn-Teller Activity. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 5564-5572	2.8	4
159	Solution structures of chromium(VI) complexes with glutathione and model thiols. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 324-35	5.1	57
158	X-ray absorption spectroscopic studies of chromium(V/IV/III)- 2-ethyl-2-hydroxybutanoato(2-/1-) complexes. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 1046-55	5.1	32
157	Determination of the nature of the heme environment in nitrosyl indoleamine 2,3-dioxygenase using Multiple-scattering analyses of X-ray absorption fine structure. <i>Biochemistry</i> , <b>2004</b> , 43, 4892-8	3.2	12
156	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> , <b>2004</b> , 43, 7844-56	5.1	34
155	NMR spectroscopic characterization of copper(II) and zinc(II) complexes of indomethacin. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 2943-6	5.1	27



154	Molecular mechanism of AHSP-mediated stabilization of alpha-hemoglobin. <i>Cell</i> , <b>2004</b> , 119, 629-40	56.2	123
153	Regio- and stereo-chemical oxidation of linoleic acid by human myoglobin and hydrogen peroxide: Tyr(103) affects rate and product distribution. <i>Biochemical Journal</i> , <b>2004</b> , 381, 365-72	3.8	10
152	Copper and zinc complexes as antiinflammatory drugs. <i>Metal Ions in Biological Systems</i> , <b>2004</b> , 41, 253-77		10
151	Structure and reactivity of a chromium(v) glutathione complex. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 767-84	5.1	70
150	Reactive intermediates formed during the reactions of chromium(VI) with glutathione: Which species are responsible for the DNA damage?. <i>Journal of Inorganic Biochemistry</i> , <b>2003</b> , 96, 177	4.2	7
149	Sialoglycoprotein and carbohydrate complexes in chromium toxicity. <i>Current Opinion in Chemical Biology</i> , <b>2003</b> , 7, 213-9	9.7	59
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35	Cyclic voltammetry at microelectrodes in the absence of added electrolyte using a platinum quasi-reference electrode. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1986</b> , 199, 285-295		80
34	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> , <b>1986</b> , 187, 67-77	6.6	28
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30	Vicinal heteroatom-carbon-13 spin-spin coupling constants in the apical positions of cage complexes: inorganic analogs of heteroatomic bicyclo[2.2.2]octane molecules. <i>Inorganic Chemistry</i> , <b>1986</b> , 25, 4801-4802	5.1	3
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27	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> , <b>1985</b> , 24, 4707-4710	5.1	30
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24	Absorption and MCD spectral studies of the decaammine( $\mu$ -dinitrogen-N,N')diosmium(5+) mixed-valence ion. <i>Journal of the American Chemical Society</i> , <b>1985</b> , 107, 2167-2171	16.4	19
23	Back-bonding effects of osmium(III): crystal structure of ( $\mu$ -pyrazine)decaamminediosmium(III) chloride dihydrate. <i>Inorganic Chemistry</i> , <b>1985</b> , 24, 3969-3971	5.1	14
22	Surface-enhanced Raman spectroscopy of pentaammineosmium (III)/(II) and pentaammineruthenium (II) containing pyridine, pyrazine or 4,4'-bipyridine ligands at silver electrodes: vibrational assignments. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , <b>1984</b> , 40, 907-921		20
21	Does coordination activate heterocycles toward nucleophilic attack? The importance of $\pi$ -interactions between metal ion and ligand. <i>Inorganic Chemistry</i> , <b>1984</b> , 23, 4775-4777	5.1	24
20	Surface-enhanced Raman scattering for redox-active adsorbents: pentaammineosmium(III)/(II) and pentaammineruthenium(II) containing nitrogen heterocycle ligands. <i>Journal of the American Chemical Society</i> , <b>1984</b> , 106, 5123-5131	16.4	18
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14	(Trifluoromethanesulfonato-O)pentaammine complexes: versatile synthetic intermediates. <i>Inorganic Chemistry</i> , <b>1983</b> , 22, 846-847	5.1	36
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12	Observation of a reversible adsorbed redox couple using surface-enhanced Raman scattering: pentaammine(pyridine)osmium(III)/(II) at silver electrodes. <i>Journal of the American Chemical Society</i> , <b>1983</b> , 105, 3350-3351	16.4	23
11	Synthesis and properties of macrobicyclic amine complexes of rhodium(III) and iridium(III). <i>Journal of the American Chemical Society</i> , <b>1983</b> , 105, 5503-5505	16.4	39



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9	Solvent dependence, metal ion catalysis and base catalysis of nitrito to nitro linkage isomerization of pentaamminenitritocobalt(III). <i>Australian Journal of Chemistry</i> , <b>1982</b> , 35, 1561	1.2	31
8	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> , <b>1982</b> , 104, 6161-6164	16.4	44
7	Oxygen-17 n.m.r. study of linkage isomerization in nitritopentaamminecobalt(III): evidence for intramolecular oxygen exchange. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1982</b> , 70		17
6	Synthesis of (trifluoromethanesulfonato)pentaammineosmium(III): osmium(III) pentaammine complexes. <i>Journal of the American Chemical Society</i> , <b>1982</b> , 104, 7658-7659	16.4	45
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4	Base-catalyzed nitrito to nitro linkage isomerization of cobalt(III), rhodium(III), and iridium(III) pentaammine complexes. <i>Inorganic Chemistry</i> , <b>1980</b> , 19, 904-910	5.1	36
3	Some cobalt(III) complexes with coordinated dioxygen and multidentate and cyclic amine ligands. <i>Journal of Inorganic and Nuclear Chemistry</i> , <b>1979</b> , 41, 301-304		13
2	Characterization of binuclear .mu.-peroxo and .mu.-superoxo cobalt(III) amine complexes from Raman spectroscopy. <i>Inorganic Chemistry</i> , <b>1978</b> , 17, 3317-3322	5.1	51
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