Vincent L Pecoraro

List of Publications by Year
in descending order

306 papers	21,143 citations	6124 83 h-index	16186 128 g-index
343 all docs	343 docs citations	343 times ranked	11150 citing authors

#	Article	IF	Citations
1	Tuning the photophysical properties of lanthanide(<scp>iii</scp>)/zinc(<scp>ii</scp>) â€˜encapsulated sandwichâ€™ metallacrowns emitting in the near-infrared range. Chemical Science, 2022, 13, 2919-2931.	3.7	4
2	Cu(I) Binding to Designed Proteins Reveals a Putative Copper Binding Site of the Human Line1 Retrotransposon Protein ORF1p. Inorganic Chemistry, 2022, 61, 5084-5091.	1.9	2
3	Catalysis and Electron Transfer in <i>De Novo</i> Designed Metalloproteins. Chemical Reviews, 2022, 122, 12046-12109.	23.0	25
4	The pHâ€Induced Selectivity Between Cysteine or Histidine Coordinated Heme in an Artificial Î±â€Helical Metalloprotein. Angewandte Chemie - International Edition, 2021, 60, 3974-3978.	7.2	10
5	The pHâ€Induced Selectivity Between Cysteine or Histidine Coordinated Heme in an Artificial Î±â€Helical Metalloprotein. Angewandte Chemie, 2021, 133, 4020-4024.	1.6	2
6	Magnetic properties of two Gd^{III}Fe^{III}₄ metallacrowns and strategies for optimizing the magnetocaloric effect of this topology. Inorganic Chemistry Frontiers, 2021, 8, 2611-2623.	3.0	6
7	Enhanced Photoinduced Electron Transfer Through a Tyrosine Relay in a Deâ€...Novo Designed Protein Scaffold Bearing a Photoredox Unit and a Fe II S 4 Site. ChemPhotoChem, 2021, 5, 665-668.	1.5	7
8	Identification of slow magnetic relaxation and magnetocoolant capabilities of heterobimetallic lanthanide-manganese metallacrown-like compounds. Polyhedron, 2021, 202, 115190.	1.0	6
9	Nitrite reductase activity within an antiparallel de novo scaffold. Journal of Biological Inorganic Chemistry, 2021, 26, 855-862.	1.1	4
10	Open Reading Frame 1 Protein of the Human Long Interspersed Nuclear Element 1 Retrotransposon Binds Multiple Equivalents of Lead. Journal of the American Chemical Society, 2021, 143, 15271-15278.	6.6	3
11	Lanthanide Identity Governs Guestâ€Induced Dimerization in	1.7	5
12	Catalysis and Electron Transfer in Deâ€...Novo Designed Helical Scaffolds. Angewandte Chemie - International Edition, 2020, 59, 7678-7699.	7.2	25
13	Katalyse und Elektronentransfer in helikalen Deâ€novoâ€GerÃ¼ststrukturen. Angewandte Chemie, 2020, 132, 7750-7773.	1.6	5
14	Rational De Novo Design of a Cu Metalloenzyme for Superoxide Dismutation. Chemistry - A European Journal, 2020, 26, 249-258.	1.7	16
15	Iodinated Metallacrowns: Toward Combined Bimodal Nearâ€Infrared and Xâ€Ray Contrast Imaging Agents. Chemistry - A European Journal, 2020, 26, 1274-1277.	1.7	18
16	[Ga 3+ 8 Sm 3+ 2 , Ga 3+ 8 Tb 3+ 2] Metallacrowns are Highly Promising Ratiometric Luminescent Molecular Nanothermometers Operating at Physiologically Relevant Temperatures. Chemistry - A European Journal, 2020, 26, 13792-13796.	1.7	12
17	Visible, Near-Infrared, and Dual-Range Luminescence Spanning the 4f Series Sensitized by a Gallium(III)/Lanthanide(III) Metallacrown Structure. Journal of Physical Chemistry A, 2020, 124, 10550-10564.	1.1	16
18	Traversing the Redâ€“Greenâ€“Blue Color Spectrum in Rationally Designed Cupredoxins. Journal of the American Chemical Society, 2020, 142, 15282-15294.	6.6	10

#	Article	IF	Citations
19	Making or Breaking Metalâ€Dependent Catalytic Activity: The Role of Stammers in Designed Threeâ€Stranded Coiled Coils. Angewandte Chemie, 2020, 132, 20625-20629.	1.6	0
20	Making or Breaking Metalâ€Dependent Catalytic Activity: The Role of Stammers in Designed Threeâ€Stranded Coiled Coils. Angewandte Chemie - International Edition, 2020, 59, 20445-20449.	7.2	10
21	Dy³⁺ White Light Emission Can Be Finely Controlled by Tuning the First Coordination Sphere of Ga³⁺/Dy³⁺ Metallacrown Complexes. Journal of the American Chemical Society, 2020, 142, 16173-16176.	6.6	29
22	Heteromeric three-stranded coiled coils designed using a Pb(ii)(Cys)3 template mediated strategy. Nature Chemistry, 2020, 12, 405-411.	6.6	32
23	Peculiarities of crystal structures and photophysical properties of Ga^{III}/Ln^{III} metallacrowns with a non-planar [12-MC-4] core. Inorganic Chemistry Frontiers, 2020, 7, 1553-1563.	3.0	11
24	Luminescence from Isolated Tb-based Metallacrown Molecular Complexes on h-BN. Microscopy and Microanalysis, 2019, 25, 604-605.	0.2	3
25	Derivation of Lanthanide Series Crystal Field Parameters From First Principles. Chemistry - A European Journal, 2019, 25, 15112-15122.	1.7	30
26	Three-Dimensional Porous Architectures Based on MnII/III Three-Blade Paddle Wheel Metallacryptates. Crystal Growth and Design, 2019, 19, 1954-1964.	1.4	4
27	How Outer Coordination Sphere Modifications Can Impact Metal Structures in Proteins: A Crystallographic Evaluation. Chemistry - A European Journal, 2019, 25, 6773-6787.	1.7	11
28	Methylated Histidines Alter Tautomeric Preferences that Influence the Rates of Cu Nitrite Reductase Catalysis in Designed Peptides. Journal of the American Chemical Society, 2019, 141, 7765-7775.	6.6	15
29	Noncoded Amino Acids in <i>de Novo</i> Metalloprotein Design: Controlling Coordination Number and Catalysis. Accounts of Chemical Research, 2019, 52, 1160-1167.	7.6	13
30	Explaining How Î±-Hydroxamate Ligands Control the Formation of Cu(II)-, Ni(II)-, and Zn(II)-Containing Metallacrowns. Inorganic Chemistry, 2019, 58, 16642-16659.	1.9	11
31	Functionalization of luminescent lanthanide-gallium metallacrowns using copper-catalyzed alkyne-azide cycloaddition and thiol-maleimide Michael addition. Journal of Inorganic Biochemistry, 2019, 192, 119-125.	1.5	12
32	Further insights into the metal ion binding abilities and the metalation pathway of a plant metallothionein from Musa acuminata. Journal of Biological Inorganic Chemistry, 2018, 23, 91-107.	1.1	16
33	Modifying the Steric Properties in the Second Coordination Sphere of Designed Peptides Leads to Enhancement of Nitrite Reductase Activity. Angewandte Chemie, 2018, 130, 4018-4021.	1.6	8
34	Metallacrowns: Supramolecular Constructs With Potential in Extended Solids, Solution-State Dynamics, Molecular Magnetism, and Imaging. Advances in Inorganic Chemistry, 2018, , 177-246.	0.4	17
35	Modifying the Steric Properties in the Second Coordination Sphere of Designed Peptides Leads to Enhancement of Nitrite Reductase Activity. Angewandte Chemie - International Edition, 2018, 57, 3954-3957.	7.2	23
36	Incorporation of second coordination sphere d-amino acids alters Cd(II) geometries in designed thiolate-rich proteins. Journal of Biological Inorganic Chemistry, 2018, 23, 123-135.	1.1	16

#	Article	IF	Citations
37	Development of a Rubredoxin-Type Center Embedded in a <i>de Dovo</i>-Designed Three-Helix Bundle. Biochemistry, 2018, 57, 2308-2316.	1.2	16
38	Oneâ€Step Assembly of Visible and Nearâ€Infrared Emitting Metallacrown Dimers Using a Bifunctional Linker. Chemistry - A European Journal, 2018, 24, 1031-1035.	1.7	47
39	Clarifying the Copper Coordination Environment in a <i>de Novo</i> Designed Red Copper Protein. Inorganic Chemistry, 2018, 57, 12291-12302.	1.9	19
40	A Unique Ln III {[3.3.1]Ga III Metallacryptate} Series That Possesses Properties of Slow Magnetic Relaxation and Visible/Nearâ€Infrared Luminescence. Chemistry - A European Journal, 2018, 24, 10773-10783.	1.7	22
41	Development of de Novo Copper Nitrite Reductases: Where We Are and Where We Need To Go. ACS Catalysis, 2018, 8, 8046-8057.	5.5	16
42	Intramolecular Photogeneration of a Tyrosine Radical in a Designed Protein. ChemPhotoChem, 2017, 1, 89-92.	1.5	12
43	Anion Encapsulation Drives the Formation of Dimeric Gd^{III}[15-metallacrown-5]³⁺ Complexes in Aqueous Solution. Inorganic Chemistry, 2017, 56, 4771-4774.	1.9	18
44	Near-Infrared Optical Imaging of Necrotic Cells by Photostable Lanthanide-Based Metallacrowns. Journal of the American Chemical Society, 2017, 139, 8388-8391.	6.6	109
45	d â€Cysteine Ligands Control Metal Geometries within De Novo Designed Threeâ€Stranded Coiled Coils. Chemistry - A European Journal, 2017, 23, 8232-8243.	1.7	11
46	Direct Observation of Nanosecond Water Exchange Dynamics at a Protein Metal Site. Journal of the American Chemical Society, 2017, 139, 79-82.	6.6	16
47	Near-infrared luminescent metallacrowns for combined in vitro cell fixation and counter staining. Chemical Science, 2017, 8, 6042-6050.	3.7	42
48	Sm(iii)[12-MCGa(III)shi-4] as a luminescent probe for G-quadruplex structures. Metallomics, 2017, 9, 1735-1744.	1.0	8
49	10. Lead(II) Binding in Natural and Artificial Proteins. , 2017, 17, 271-318.		7
50	Design of 2D Porous Coordination Polymers Based on Metallacrown Units. Chemistry - A European Journal, 2016, 22, 6482-6486.	1.7	18
51	De Novo Design of Metalloproteins and Metalloenzymes in a Three-Helix Bundle. Methods in Molecular Biology, 2016, 1414, 187-196.	0.4	11
52	Synthesis and Magnetic Characterization of Fe(III)-Based 9-Metallacrown-3 Complexes Which Exhibit Magnetorefrigerant Properties. Inorganic Chemistry, 2016, 55, 10238-10247.	1.9	28
53	The Nature of the Bridging Anion Controls the Single-Molecule Magnetic Properties of DyX₄M 12-Metallacrown-4 Complexes. Inorganic Chemistry, 2016, 55, 10597-10607.	1.9	45
54	A Crystallographic Examination of Predisposition versus Preorganization in de Novo Designed Metalloproteins. Journal of the American Chemical Society, 2016, 138, 11979-11988.	6.6	34

#	Article	IF	Citations
55	Electron transfer activity of a de novo designed copper center in a three-helix bundle fold. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 522-530.	0.5	14
56	Ga³⁺/Ln³⁺ Metallacrowns: A Promising Family of Highly Luminescent Lanthanide Complexes That Covers Visible and Near-Infrared Domains. Journal of the American Chemical Society, 2016, 138, 5100-5109.	6.6	170
57	Assessing the exchange coupling in binuclear lanthanide(<scp>iii</scp>) complexes and the slow relaxation of the magnetization in the antiferromagnetically coupled Dy₂ derivative. Chemical Science, 2015, 6, 4148-4159.	3.7	114
58	Artificial metalloenzymes derived from three-helix bundles. Current Opinion in Chemical Biology, 2015, 25, 65-70.	2.8	44
59	Histidine Orientation Modulates the Structure and Dynamics of a <i>de Novo</i> Metalloenzyme Active Site. Journal of the American Chemical Society, 2015, 137, 10164-10176.	6.6	35
60	<i>De Novo</i> Protein Design as a Methodology for Synthetic Bioinorganic Chemistry. Accounts of Chemical Research, 2015, 48, 2388-2396.	7.6	51
61	Assembly of zinc metallacrowns with an Î±-amino hydroxamic acid ligand. Chinese Chemical Letters, 2015, 26, 444-448.	4.8	5
62	Apoprotein Structure and Metal Binding Characterization of a <i>de Novo</i> Designed Peptide, Î±₃DIV, that Sequesters Toxic Heavy Metals. Biochemistry, 2015, 54, 2858-2873.	1.2	33
63	Variable primary coordination environments of Cd(<scp>ii</scp>) binding to three helix bundles provide a pathway for rapid metal exchange. Metallomics, 2015, 7, 1555-1561.	1.0	15
64	Sculpting Metalâ€binding Environments in <i>De Novo</i> Designed Threeâ€helix Bundles. Israel Journal of Chemistry, 2015, 55, 85-95.	1.0	15
65	<i>De Novo</i> Design and Characterization of Copper Metallopeptides Inspired by Native Cupredoxins. Inorganic Chemistry, 2015, 54, 9470-9482.	1.9	25
66	A Deâ€…Novo Designed Metalloenzyme for the Hydration of CO₂. Angewandte Chemie - International Edition, 2014, 53, 7900-7903.	7.2	69
67	Pulse Electron Paramagnetic Resonance Studies of the Interaction of Methanol with the S₂ State of the Mn₄O₅Ca Cluster of Photosystem II. Biochemistry, 2014, 53, 7914-7928.	1.2	42
68	Protein Design: Toward Functional Metalloenzymes. Chemical Reviews, 2014, 114, 3495-3578.	23.0	379
69	Highly Emitting Near-Infrared Lanthanide â€œEncapsulated Sandwichâ€•Metallacrown Complexes with Excitation Shifted Toward Lower Energy. Journal of the American Chemical Society, 2014, 136, 1526-1534.	6.6	161
70	Controllable Formation of Heterotrimetallic Coordination Compounds: Systematically Incorporating Lanthanide and Alkali Metal Ions into the Manganese 12-Metallacrown-4 Framework. Inorganic Chemistry, 2014, 53, 1729-1742.	1.9	60
71	Solvent Dependent Assembly of Lanthanide Metallacrowns Using Building Blocks with Incompatible Symmetry Preferences. Inorganic Chemistry, 2014, 53, 7534-7546.	1.9	45
72	Understanding Spin Structure in Metallacrown Single-Molecule Magnets using Magnetic Compton Scattering. Journal of the American Chemical Society, 2014, 136, 4889-4892.	6.6	45

#	ARTICLE	IF	CITATIONS
73	Designing Hydrolytic Zinc Metalloenzymes. Biochemistry, 2014, 53, 957-978.	1.2	126
74	Use of the mechanistic probe 2-methyl-1-phenylpropan-2-yl hydroperoxide (MPPH) to discriminate between the formation of MnIVMnIV(OH) and MnIVMnVO species. Polyhedron, 2013, 64, 99-105.	1.0	1
75	Insight into the structural versatility of the Ln(III)[15-metallacrown-5] platform by comparing analogs with Ni(II), Cu(II), and Zn(II) ring ions. Polyhedron, 2013, 52, 491-499.	1.0	26
76	Experimental and Computational X-ray Emission Spectroscopy as a Direct Probe of Protonation States in Oxo-Bridged Mn^{IV} Dimers Relevant to Redox-Active Metalloproteins. Inorganic Chemistry, 2013, 52, 12915-12922.	1.9	62
77	The Protonation States of Oxo-Bridged Mn^{IV} Dimers Resolved by Experimental and Computational Mn K Pre-Edge X-ray Absorption Spectroscopy. Inorganic Chemistry, 2013, 52, 12904-12914.	1.9	48
78	De Novo-Designed Metallopeptides with Type 2 Copper Centers: Modulation of Reduction Potentials and Nitrite Reductase Activities. Journal of the American Chemical Society, 2013, 135, 18096-18107.	6.6	49
79	Probing the Coordination Environment of the Human Copper Chaperone HAH1: Characterization of Hg^{II}â€Bridged Homodimeric Species in Solution. Chemistry - A European Journal, 2013, 19, 9042-9049.	1.7	20
80	Selective anion encapsulation in solid-state Ln(iii)[15-metallacrown-5]3+ compartments through secondary sphere interactions. Dalton Transactions, 2013, 42, 9803.	1.6	28
81	Isolation of Elusive Tetranuclear and Pentanuclear M(II)â€“Hydroximate Intermediates in the Assembly of Lanthanide [15-Metallacrown-5] Complexes. Inorganic Chemistry, 2013, 52, 5063-5076.	1.9	33
82	Designing functional metalloproteins: From structural to catalytic metal sites. Coordination Chemistry Reviews, 2013, 257, 2565-2588.	9.5	109
83	Electronic Structural Changes of Mn in the Oxygen-Evolving Complex of Photosystem II during the Catalytic Cycle. Inorganic Chemistry, 2013, 52, 5642-5644.	1.9	57
84	Influence of Active Site Location on Catalytic Activity in <i>de Novo</i>-Designed Zinc Metalloenzymes. Journal of the American Chemical Society, 2013, 135, 5895-5903.	6.6	78
85	Natural and Artificial Proteins Containing Cadmium. Metal Ions in Life Sciences, 2013, 11, 303-337.	2.8	8
86	Designing a functional type 2 copper center that has nitrite reductase activity within Î±-helical coiled coils. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21234-21239.	3.3	101
87	Experimental and Theoretical Evaluation of Multisite Cadmium(II) Exchange in Designed Three-Stranded Coiled-Coil Peptides. Journal of the American Chemical Society, 2012, 134, 6191-6203.	6.6	19
88	Hydrolytic catalysis and structural stabilization in a designed metalloprotein. Nature Chemistry, 2012, 4, 118-123.	6.6	293
89	Influencing the Size and Anion Selectivity of Dimeric Ln³⁺[15-Metallacrown-5] Compartments through Systematic Variation of the Host Side Chains and Central Metal. Inorganic Chemistry, 2012, 51, 4527-4538.	1.9	59
90	Clarifying the Mechanism of Cation Exchange in Ca(II)[15-MC_{Cu(II)Ligand}-5] Complexes. Inorganic Chemistry, 2012, 51, 11533-11540.	1.9	26

#	Article	IF	Citations
91	Enhanced Guest Affinity and Enantioselectivity through Variation of the Gd3+[15-Metallacrown-5] Side Chain. Inorganic Chemistry, 2012, 51, 8034-8041.	1.9	41
92	Application of DFT methods to the study of the coordination environment of the VO2+ ion in VÂproteins. Journal of Biological Inorganic Chemistry, 2012, 17, 773-790.	1.1	41
93	The Importance of Stereochemically Active Lone Pairs For Influencing Pb^{II} and As^{III} Protein Binding. Chemistry - A European Journal, 2012, 18, 2040-2050.	1.7	40
94	Gd(III)[15-Metallacrown-5] Recognition of Chiral Î±-Amino Acid Analogues. Inorganic Chemistry, 2011, 50, 4832-4841.	1.9	59
95	Controlling and Fine Tuning the Physical Properties of Two Identical Metal Coordination Sites in De Novo Designed Three Stranded Coiled Coil Peptides. Journal of the American Chemical Society, 2011, 133, 239-251.	6.6	43
96	Single Molecule Magnet Behavior of a Pentanuclear Mn-Based Metallacrown Complex: Solid State and Solution Magnetic Studies. Inorganic Chemistry, 2011, 50, 11348-11352.	1.9	56
97	Effects of the Central Lanthanide Ion Crystal Radius on the 15-MC_{Cu^{II}(N)pheHA}-5 Structure. Inorganic Chemistry, 2011, 50, 7707-7717.	1.9	46
98	Innentitelbild: Design of a Three-Helix Bundle Capable of Binding Heavy Metals in a Triscysteine Environment (Angew. Chem. 9/2011). Angewandte Chemie, 2011, 123, 1990-1990.	1.6	0
99	Design of a Threeâ€Helix Bundle Capable of Binding Heavy Metals in a Triscysteine Environment. Angewandte Chemie - International Edition, 2011, 50, 2049-2053.	7.2	76
100	Inside Cover: Design of a Three-Helix Bundle Capable of Binding Heavy Metals in a Triscysteine Environment (Angew. Chem. Int. Ed. 9/2011). Angewandte Chemie - International Edition, 2011, 50, 1948-1948.	7.2	0
101	Assembly of Nearâ€Infrared Luminescent Lanthanide Host(Hostâ€"Guest) Complexes With a Metallacrown Sandwich Motif. Angewandte Chemie - International Edition, 2011, 50, 9660-9664.	7.2	161
102	Pb-207 NMR spectroscopy reveals that Pb(II) coordinates with glutathione (GSH) and tris cysteine zinc finger proteins in a PbS3 coordination environment. Journal of Inorganic Biochemistry, 2011, 105, 1030-1034.	1.5	36
103	Chiral Metallacrown Supramolecular Compartments that Template Nanochannels: Selfâ€Assembly and Guest Absorption. Chemistry - an Asian Journal, 2010, 5, 46-49.	1.7	50
104	Voltammetric Characterization of Redoxâ€inactive Guest Binding to Ln^{III}[15â€Metallacrownâ€5] Hosts Based on Competition with a Redox Probe. Chemistry - A European Journal, 2010, 16, 6786-6796.	1.7	52
105	Probing a Homoleptic PbS₃ Coordination Environment in a Designed Peptide Using ²⁰⁷Pb NMR Spectroscopy: Implications for Understanding the Molecular Basis of Lead Toxicity. Angewandte Chemie - International Edition, 2010, 49, 8177-8180.	7.2	38
106	Disruption of the La(III)[15-Metallacrown-5] Cavity through Bithiophene Dicarboxylate Inclusion. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 263-s314.	0.3	12
107	Solid-State55Mn NMR Spectroscopy of Bis(Î¼-oxo)dimanganese(IV) [Mn2O2(salpn)2], a Model for the Oxygen Evolving Complex in Photosystem II. Journal of the American Chemical Society, 2010, 132, 16727-16729.	6.6	9
108	Structural Comparisons of Apo- and Metalated Three-Stranded Coiled Coils Clarify Metal Binding Determinants in Thiolate Containing Designed Peptides. Journal of the American Chemical Society, 2010, 132, 13240-13250.	6.6	57

#	Article	IF	Citations
109	A Mixed 3dâˆ'4f 14-Metallacrown-5 Complex That Displays Slow Magnetic Relaxation through Geometric Control of Magnetoanisotropy. Inorganic Chemistry, 2010, 49, 9104-9106.	1.9	101
110	Thermodynamics of Core Metal Replacement and Self-Assembly of Ca²⁺ 15-Metallacrown-5. Inorganic Chemistry, 2010, 49, 5190-5201.	1.9	49
111	Understanding the Biological Chemistry of Mercury Using a de novo Protein Design Strategy. ACS Symposium Series, 2009, , 183-197.	0.5	22
112	The Correlation of ¹¹³Cd NMR and ^{111m}Cd PAC Spectroscopies Provides a Powerful Approach for the Characterization of the Structure of Cd^{II}â€Substituted Zn^{II} Proteins. Chemistry - A European Journal, 2009, 15, 3761-3772.	1.7	39
113	Switching the Chirality of the Metal Environment Alters the Coordination Mode in Designed Peptides. Angewandte Chemie - International Edition, 2009, 48, 7371-7374.	7.2	41
114	Preparation of a new 16-MC-4 structure type that captures Mn(II) in the central cavity. Inorganica Chimica Acta, 2009, 362, 878-886.	1.2	5
115	pH-Dependent Structures of the Manganese Binding Sites in Oxalate Decarboxylase as Revealed by High-Field Electron Paramagnetic Resonance. Journal of Physical Chemistry B, 2009, 113, 9016-9025.	1.2	31
116	Establishing the Binding Affinity of Organic Carboxylates to 15-Metallacrown-5 Complexes. Inorganic Chemistry, 2009, 48, 5224-5233.	1.9	45
117	Assessing the Dependence of ⁵¹V <i>A</i>_{<i>z</i>} Value on the Aromatic Ring Orientation of V^{IV}O²⁺ Pyridine Complexes. Inorganic Chemistry, 2009, 48, 5790-5796.	1.9	60
118	Corroborative cobalt and zinc model compounds of Î±-amino-Î²-carboxymuconic-Îµ-semialdehyde decarboxylase (ACMSD). Dalton Transactions, 2009, , 51-62.	1.6	18
119	Harnessing natures ability to control metal ion coordination geometry using de novo designed peptides. Dalton Transactions, 2009, , 2271.	1.6	50
120	Reflections on small molecule manganese models that seek to mimic photosynthetic water oxidation chemistry. Coordination Chemistry Reviews, 2008, 252, 416-443.	9.5	326
121	Modeling the Resting State of Oxalate Oxidase and Oxalate Decarboxylase Enzymes. Inorganic Chemistry, 2008, 47, 3584-3593.	1.9	27
122	Tuning the Redox Properties of Manganese(II) and Its Implications to the Electrochemistry of Manganese and Iron Superoxide Dismutases. Inorganic Chemistry, 2008, 47, 2897-2908.	1.9	61
123	Structural and Physical Characterization of Tetranuclear [Mn^{II}₃Mn^{IV}] and [Mn^{II}₂Mn^{III}₂] Valence-Isomer Manganese Complexes. Inorganic Chemistry, 2008, 47, 6127-6136.	1.9	29
124	Elucidating the Protonation Site of Vanadium Peroxide Complexes and the Implications for Biomimetic Catalysis. Journal of the American Chemical Society, 2008, 130, 2712-2713.	6.6	105
125	Design of Thiolate Rich Metal Binding Sites within a Peptidic Framework. Inorganic Chemistry, 2008, 47, 10875-10888.	1.9	39
126	Using diastereopeptides to control metal ion coordination in proteins. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16566-16571.	3.3	62

#	Article	IF	Citations
127	Using small molecule complexes to elucidate features of photosynthetic water oxidation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1271-1281.	1.8	25
128	In Search of Elusive High-Valent Manganese Species That Evaluate Mechanisms of Photosynthetic Water Oxidation. Inorganic Chemistry, 2008, 47, 1765-1778.	1.9	61
129	Identifying important structural characteristics of arsenic resistance proteins by using designed three-stranded coiled coils. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11969-11974.	3.3	85
130	Understanding the Mechanism of Vanadium-Dependent Haloperoxidases and Related Biomimetic Catalysis. ACS Symposium Series, 2007, , 148-162.	0.5	8
131	Temperature-, molar ratio- and counterion-effects on the crystal growth of bipyridinium-bis(alkylcarboxylic acid)â€“crown ether pseudorotaxanes. New Journal of Chemistry, 2007, 31, 439-446.	1.4	15
132	Metallacrown-based compartments: selective encapsulation of three isonicotinate anions in non-centrosymmetric solids. Chemical Communications, 2007, , 1148.	2.2	58
133	Assessing the Slow Magnetic Relaxation Behavior of LnIII4MnIII6Metallacrowns. Inorganic Chemistry, 2007, 46, 1954-1956.	1.9	139
134	The Relationship between the Manganese(II) Zero-Field Interaction and Mn(II)/Mn(III) Redox Potential of Mn(4â€˜-X-terpy)2Complexes. Journal of the American Chemical Society, 2007, 129, 13825-13827.	6.6	23
135	Reevaluation of the Kinetics of Polynuclear Mimics for Manganese Catalases. Inorganic Chemistry, 2007, 46, 10864-10868.	1.9	30
136	Controlling the Polymorph of LnIII(NO3)3-x(OH)x[15-MCCuII(N)S-pheHA-5] Complexes through Solvent Type and LnIIIIon Choice. Crystal Growth and Design, 2007, 7, 1098-1105.	1.4	36
137	Structural and Functional Evolution of Metallacrowns. Chemical Reviews, 2007, 107, 4933-5003.	23.0	466
138	Di-2-pyridyl ketone oxime in copper chemistry: di-, tri-, penta- and hexanuclear complexes. Dalton Transactions, 2007, , 2658.	1.6	39
139	The Application of ¹⁹⁹Hg NMR and ^{199m}Hg Perturbed Angular Correlation (PAC) Spectroscopy to Define the Biological Chemistry of Hg^{II}: A Case Study with Designed Twoâ€•and Threeâ€Stranded Coiled Coils. Chemistry - A European Journal, 2007, 13, 9178-9190.	1.7	67
140	Heterochromia in Designed Metallopeptides: Geometry-Selective Binding of CdII in a Deâ€…Novo Peptide. Angewandte Chemie - International Edition, 2007, 46, 6688-6691.	7.2	49
141	Mechanistic Analysis of Nucleophilic Substrates Oxidation by Functional Models of Vanadium-Dependent Haloperoxidases: A Density Functional Theory Study. European Journal of Inorganic Chemistry, 2007, 2007, 515-523.	1.0	36
142	Assessing Guest Selectivity within Metallacrown Host Compartments. European Journal of Inorganic Chemistry, 2007, 2007, 1347-1350.	1.0	30
143	Insight into the Catalytic Mechanism of Vanadium Haloperoxidases. DFT Investigation of Vanadium Cofactor Reactivity. Inorganic Chemistry, 2006, 45, 7133-7143.	1.9	71
144	Using LnIII[15-MCCuII(N)(S)-pheHA-5]3+ Complexes To Construct Chiral Single-Molecule Magnets and Chains of Single-Molecule Magnets. Inorganic Chemistry, 2006, 45, 10022-10024.	1.9	122

#	Article	IF	Citations
145	Assessing the Integrity of Designed Homomeric Parallel Three-Stranded Coiled Coils in the Presence of Metal Ions. Inorganic Chemistry, 2006, 45, 9959-9973.	1.9	42
146	Mn(II) complexes of monoanionic bidentate chelators: X-ray crystal structures of Mn(dha)2(CH3OH)2 (Hdha=dehydroacetic acid) and [Mn(ema)2(H2O)]2Â·2H2O (Hema=2-ethyl-3-hydroxy-4-pyrone). Inorganica Chimica Acta, 2006, 359, 228-236.	1.2	22
147	Peptidic models for the binding of Pb(II), Bi(III) and Cd(II) to mononuclear thiolate binding sites. Journal of Biological Inorganic Chemistry, 2006, 11, 876-890.	1.1	80
148	Using Nonnatural Amino Acids to Control Metal-Coordination Number in Three-Stranded Coiled Coils. Angewandte Chemie - International Edition, 2006, 45, 2864-2868.	7.2	63
149	Multinuclear Fe(III) Complexes with Polydentate Ligands of the Family of Dicarboxyimidazoles:â€‰ Nuclearity- and Topology-Controlled Syntheses and Magneto-Structural Correlations. Inorganic Chemistry, 2005, 44, 3626-3635.	1.9	47
150	Synthetic and computational modeling of the vanadium-dependent haloperoxidases. Pure and Applied Chemistry, 2005, 77, 1595-1605.	0.9	29
151	Synthesis and structure of : A new member of anion encapsulating metallamacrocyles. Inorganic Chemistry Communication, 2005, 8, 1173-1176.	1.8	24
152	Probing metalâ€“protein interactions using a de novo design approach. Current Opinion in Chemical Biology, 2005, 9, 97-103.	2.8	67
153	Site-Selective Metal Binding by Designed Î±-Helical Peptides. Journal of the American Chemical Society, 2005, 127, 18229-18233.	6.6	50
154	Ternary Complexes of Gentamicin with Iron and Lipid Catalyze Formation of Reactive Oxygen Species. Chemical Research in Toxicology, 2005, 18, 357-364.	1.7	77
155	Quantum Mechanics/Molecular Mechanics Calculations of the Vanadium Dependent Chloroperoxidase. Journal of Chemical Theory and Computation, 2005, 1, 1265-1274.	2.3	53
156	Metallacryptate Single-Molecule Magnets:Â Effect of Lower Molecular Symmetry on Blocking Temperature. Journal of the American Chemical Society, 2005, 127, 12862-12872.	6.6	108
157	Linear Free-Energy Analysis of Mercury(II) and Cadmium(II) Binding to Three-Stranded Coiled Coilsâ€. Biochemistry, 2005, 44, 10732-10740.	1.2	55
158	Reactivity of Peroxo Forms of the Vanadium Haloperoxidase Cofactor. A DFT Investigation. Journal of the American Chemical Society, 2005, 127, 953-960.	6.6	107
159	Corroborative Models of the Cobalt(II) Inhibited Fe/Mn Superoxide Dismutases. Inorganic Chemistry, 2005, 44, 5001-5010.	1.9	38
160	Synthesis, Structure, and Magnetic Properties of a Large Lanthanideâ€“Transition-Metal Single-Molecule Magnet. Angewandte Chemie - International Edition, 2004, 43, 3912-3914.	7.2	522
161	Structural, Spectroscopic, and Reactivity Models for the Manganese Catalases. ChemInform, 2004, 35, no.	0.1	1
162	XANES Evidence Against a Manganyl Species in the S3 State of the Oxygen-Evolving Complex. Journal of the American Chemical Society, 2004, 126, 8070-8071.	6.6	61

#	Article	IF	Citations
163	Control of Metal Coordination Number in de Novo Designed Peptides through Subtle Sequence Modifications. Journal of the American Chemical Society, 2004, 126, 9178-9179.	6.6	52
164	Metalloprotein Folding. Inorganic Chemistry, 2004, 43, 7894-7896.	1.9	13
165	Quantum Mechanical Models of the Resting State of the Vanadium-Dependent Haloperoxidase. Inorganic Chemistry, 2004, 43, 4127-4136.	1.9	58
166	Understanding Metalloprotein Folding Using a de Novo Design Strategy. Inorganic Chemistry, 2004, 43, 7902-7915.	1.9	85
167	The Electronic Structure of Mn in Oxides, Coordination Complexes, and the Oxygen-Evolving Complex of Photosystem II Studied by Resonant Inelastic X-ray Scattering. Journal of the American Chemical Society, 2004, 126, 9946-9959.	6.6	177
168	Structural, Spectroscopic, and Reactivity Models for the Manganese Catalases. Chemical Reviews, 2004, 104, 903-938.	23.0	440
169	The first spectroscopic model for the S1 state multiline signal of the OEC. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1655, 149-157.	0.5	22
170	Isolation of the first ferromagnetically coupled Mn(iii/iv) complexElectronic supplementary information (ESI) available: Figures S1â€“S4. See http://www.rsc.org/suppdata/cc/b2/b212684m/. Chemical Communications, 2003, , 824-825.	2.2	56
171	Catalytic Oxidation of 3,5-Di-tert-butylcatechol by a Series of Mononuclear Manganese Complexes:Â Synthesis, Structure, and Kinetic Investigation. Inorganic Chemistry, 2003, 42, 6274-6283.	1.9	117
172	The Preparation of a Double Metallahelicate Containing 28 Copper Atoms. Angewandte Chemie, 2003, 115, 564-567.	1.6	3
173	Synthesis and Magnetic Properties of a Metallacryptate that Behaves as a Single-Molecule Magnet. Angewandte Chemie - International Edition, 2003, 42, 3763-3766.	7.2	121
174	The Preparation of a Double Metallahelicate Containing 28 Copper Atoms. Angewandte Chemie - International Edition, 2003, 42, 546-549.	7.2	53
175	An isocratic separation of underivatized gentamicin components, 1H NMR assignment and protonation pattern. Carbohydrate Research, 2003, 338, 2853-2862.	1.1	24
176	Trinuclear Mixed-Valent MnII/MnIV/MnII Complexesâ€" Structure and Magnetic Behavior. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2003, 629, 2348-2355.	0.6	22
177	Catalytic oxidation of 3,5-di-tert-butylcatechol by a Series of mononuclear manganese complexes: Synthesis, structure, and kinetic investigation. Journal of Inorganic Biochemistry, 2003, 96, 172.	1.5	3
178	Solution Chemistry of Copper(II)â^'Gentamicin Complexes:Â Relevance to Metal-Related Aminoglycoside Toxicity. Inorganic Chemistry, 2003, 42, 1420-1429.	1.9	41
179	Models for the Lower S States of Photosystem II:Â A Trinuclear Mixed-Valent MnII/MnIV/MnIIComplex. Inorganic Chemistry, 2003, 42, 2185-2187.	1.9	55
180	Evaluating hydrogen bond interactions in enzymes containing Mn(III)-histidine complexation using manganese-imidazole complexes. Journal of Biological Inorganic Chemistry, 2003, 8, 283-293.	1.1	16

#	Article	IF	Citations
181	A cationic 24-MC-8 manganese cluster with ring metals possessing three oxidation states [MnII4MnIII6MnIV2(Î¼4-O)2(Î¼3-O)4(Î¼3-OH)4(Î¼3-OCH3)2(pko)12](OH)(ClO4)3. Chemical Communications, 2003, , 2668-2669.	2.0	59
182	Hg(II) binding to a weakly associated coiled coil nucleates an encoded metalloprotein fold: A kinetic analysis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3760-3765.	3.3	55
183	Oxidation of Organic Sulfides by Vanadium Haloperoxidase Model Complexes. Inorganic Chemistry, 2002, 41, 6754-6760.	1.9	136
184	Comparison of the Binding of Cadmium(II), Mercury(II), and Arsenic(III) to the de Novo Designed Peptides TRI L12C and TRI L16C. Journal of the American Chemical Society, 2002, 124, 8042-8054.	6.6	129
185	Preparation of Resolved Fourfold Symmetric Amphiphilic Helices Using Chiral Metallacrown Building Blocks. Angewandte Chemie - International Edition, 2002, 41, 4667-4670.	7.2	107
186	Pseudohalide complexation by manganese 12-metallacrowns-4 complexes. Inorganica Chimica Acta, 2002, 331, 73-80.	1.2	55
187	A structurally characterized monomeric Mn(IV) complex in a discrete N2O4 coordination environment. Inorganica Chimica Acta, 2002, 339, 497-502.	1.2	31
188	Oxidation of m-chlorobenzoic acid by Mn(V)î˜…O complexes. Inorganica Chimica Acta, 2002, 341, 113-117.	1.2	13
189	Paramagnetic spectroscopy of vanadyl complexes and its applications to biological systems. Coordination Chemistry Reviews, 2002, 228, 1-18.	9.5	261
190	Preparation of Highly Efficient Manganese Catalase Mimicsâ€–. Inorganic Chemistry, 2002, 41, 5544-5554.	1.9	153
191	Chiral 15-Metallacrown-5 Complexes Differentially Bind Carboxylate Anions. Journal of the American Chemical Society, 2001, 123, 6211-6212.	6.6	132
192	Thermodynamic Model for the Stabilization of Trigonal Thiolato Mercury(II) in Designed Three-Stranded Coiled Coilsâ€. Biochemistry, 2001, 40, 14696-14705.	1.2	61
193	Preparation of Site-Differentiated Mixed Ligand and Mixed Ligand/Mixed Metal Metallacrowns. Inorganic Chemistry, 2001, 40, 1562-1570.	1.9	100
194	The development of chiral metallacrowns into anion recognition agents and porous materials. Coordination Chemistry Reviews, 2001, 216-217, 489-512.	9.5	191
195	Formation of Chiral Solids via a Molecular Building Block Approach. Journal of Solid State Chemistry, 2000, 152, 68-77.	1.4	42
196	Lanthanide [15]Metallacrown-5 Complexes Form Nitrate-Selective Chiral Cavities. Angewandte Chemie - International Edition, 2000, 39, 2689-2692.	7.2	112
197	A magneto-structural correlation between the Heisenberg constant, J, and the Mnî—¸Oî—¸Mn angle in [MnIV(Î¼-O)]2 dimers. Inorganica Chimica Acta, 2000, 297, 252-264.	1.2	65
198	Non-Heme Peroxidases and Catalases: Mechanistic Implications from the Studies of Manganese and Vanadium Model Compounds. , 2000, , 215-267.		2

#	Article	IF	Citations
199	55Mn ENDOR of the S2-State Multiline EPR Signal of Photosystem II:Â Implications on the Structure of the Tetranuclear Mn Cluster. Journal of the American Chemical Society, 2000, 122, 10926-10942.	6.6	375
200	Preparation of a Chiral, 2-Dimensional Network Containing Metallacrown and Copper Benzoate Building Blocks. Inorganic Chemistry, 2000, 39, 3434-3435.	1.9	108
201	Reevaluation of the Additivity Relationship for Vanadylâ^'Imidazole Complexes:â€‰ Correlation of the EPR Hyperfine Constant with Ring Orientation. Journal of the American Chemical Society, 2000, 122, 767-775.	6.6	118
202	Arsenic(III)â^'Cysteine Interactions Stabilize Three-Helix Bundles in Aqueous Solution. Inorganic Chemistry, 2000, 39, 5422-5423.	1.9	74
203	Mechanism for the Reduction of the Mixed-Valent MnIIIMnIV[2-OHsalpn]2+Complex by Tertiary Amines. Inorganic Chemistry, 2000, 39, 5831-5837.	1.9	21
204	Recent advances in the understanding of the biological chemistry of manganese. Current Opinion in Chemical Biology, 1999, 3, 182-187.	2.8	136
205	The Preparation, Characterization, and Magnetism of Copper 15-Metallacrown-5 Lanthanide Complexes. Inorganic Chemistry, 1999, 38, 2807-2817.	1.9	174
206	Reactivity of [{MnIV(salpn)}2(Î¼-O,Î¼-OCH3)]+and [{MnIV(salpn)}2(Î¼-O,Î¼-OH)]+:Â Effects of Proton Lability and Hydrogen Bonding. Inorganic Chemistry, 1999, 38, 4801-4809.	1.9	39
207	NMR studies of iron-gentamicin complexes and the implications for aminoglycoside toxicity. Inorganica Chimica Acta, 1998, 273, 85-91.	1.2	39
208	Preparation and Characterization of Chiral Copper 12-Metallacrown-4 Complexes, Inorganic Analogues of Tetraphenylporphyrinatocopper(II). Inorganic Chemistry, 1998, 37, 5416-5417.	1.9	43
209	Solvent effects on 51V NMR chemical shifts: characterization of vanadate and peroxovanadate complexes in mixed water/acetonitrile solvent. Inorganica Chimica Acta, 1998, 283, 37-43.	1.2	52
210	Electron Spin Echo Envelope Modulation Spectroscopy Reveals and Distinguishes Equatorial and Axial Nitrogen Ligands Bound to VO2+. Journal of the American Chemical Society, 1998, 120, 4410-4416.	6.6	33
211	51V ESE-ENDOR Studies of Oxovanadium(IV) Complexes:â€‰ Investigation of the Nuclear Quadrupole Interaction. Journal of Physical Chemistry B, 1998, 102, 8145-8150.	1.2	23
212	The role of protonation and metal chelation preferences in defining the properties of mercury-binding coiled coils 1 1Edited by P. E. Wright. Journal of Molecular Biology, 1998, 280, 897-912.	2.0	121
213	Manganese Redox Enzymes and Model Systems: Properties, Structures, and Reactivity. Advances in Inorganic Chemistry, 1998, , 305-440.	0.4	174
214	Reactivity of Dioxovanadium(V) Complexes with Hydrogen Peroxide:Â Implications for Vanadium Haloperoxidase. Inorganic Chemistry, 1998, 37, 949-955.	1.9	119
215	The [Mn2(2-OHsalpn)2]2-,1-,0System:Â An Efficient Functional Model for the Reactivity and Inactivation of the Manganese Catalases. Inorganic Chemistry, 1998, 37, 3301-3309.	1.9	101
216	A proposal for water oxidation in photosystem II. Pure and Applied Chemistry, 1998, 70, 925-929.	0.9	321

#	Article	IF	Citations
217	Synthetic Models for Vanadium Haloperoxidases. ACS Symposium Series, 1998, , 157-167.	0.5	15
218	Assessing the Viability of H atom Abstraction as a Mechanism for PS II water oxidation. , 1998, , 1247-1252.		0
219	Thermodynamic Viability of Hydrogen Atom Transfer from Water Coordinated to the Oxygen-Evolving Complex of Photosystem II. Journal of the American Chemical Society, 1997, 119, 3415-3416.	6.6	90
220	Modeling the biological chemistry of vanadium: Structural and reactivity studies elucidating biological function. Structure and Bonding, 1997, , 51-108.	1.0	77
221	Structural and Solution Characterization of Mononuclear Vanadium(IV) Complexes That Help To Elucidate the Active Site Structure of the Reduced Vanadium Haloperoxidases. Inorganic Chemistry, 1997, 36, 4866-4874.	1.9	120
222	Chlorine K-Edge X-ray Absorption Spectroscopy as a Probe of Chlorineâˆ'Manganese Bonding:Â Model Systems with Relevance to the Oxygen Evolving Complex in Photosystem IIâ€. Journal of the American Chemical Society, 1997, 119, 4465-4470.	6.6	35
223	De NovoDesign of Mercury-Binding Two- and Three-Helical Bundles. Journal of the American Chemical Society, 1997, 119, 6195-6196.	6.6	157
224	The First Binuclear Mn(IV) Complex Containing a Bridging Imidazolate Ligand Exhibits Unique EPR Spectral Features. Journal of the American Chemical Society, 1997, 119, 9297-9298.	6.6	65
225	The [Mn2(2-OHsalpn)2]2-,-,0,+System:Â Synthesis, Structure, Spectroscopy, and Magnetism of the First Structurally Characterized Dinuclear Manganese Series Containing Four Distinct Oxidation States. Inorganic Chemistry, 1997, 36, 1829-1837.	1.9	102
226	ESE-ENDOR and ESEEM Characterization of Water and Methanol Ligation to a Dinuclear Mn(III)Mn(IV) Complexâ€. Journal of the American Chemical Society, 1997, 119, 4481-4491.	6.6	71
227	Reactivity and Mechanism of Manganese Enzymes. Advances in Chemistry Series, 1996, , 265-301.	0.6	6
228	Energetics of Proton-Coupled Electron Transfer in High-Valent Mn2(Î¼-O)2Systems:Â Models for Water Oxidation by the Oxygen-Evolving Complex of Photosystem II. Journal of the American Chemical Society, 1996, 118, 11325-11326.	6.6	119
229	Structural Evaluation and Solution Integrity of Alkali Metal Salt Complexes of the Manganese 12-Metallacrown-4 (12-MC-4) Structural Type. Inorganic Chemistry, 1996, 35, 6184-6193.	1.9	104
230	Catalytic Disproportionation of Hydrogen Peroxide by the Tetranuclear Manganese Complex [MnII(2-OHpicpn)]4. Inorganic Chemistry, 1996, 35, 1419-1420.	1.9	50
231	Facile Preparation of Face Differentiated, Chiral 15-Metallacrown-5 Complexes. Journal of the American Chemical Society, 1996, 118, 11962-11963.	6.6	108
232	Functional Models for Vanadium Haloperoxidase:â€‰ Reactivity and Mechanism of Halide Oxidation. Journal of the American Chemical Society, 1996, 118, 3469-3478.	6.6	328
233	Mechanism for the Homolytic Cleavage of Alkyl Hydroperoxides by the Manganese(III) Dimer MnIII2(2-OHsalpn)2. Inorganic Chemistry, 1996, 35, 3577-3584.	1.9	62
234	A Planar[15]Metallacrown-5 That Selectively Binds the Uranyl Cation. Angewandte Chemie International Edition in English, 1996, 35, 2841-2843.	4.4	92

#	Article	IF	Citations
235	The 199Hg Chemical Shift as a Probe of Coordination Environments in Blue Copper Proteins. Inorganic Chemistry, 1995, 34, 2497-2498.	1.9	48
236	Structural and Magnetic Studies of Manganese(II) Complexes of the Imidazole-Containing Ligand 5-NO2-salimH [5-NO2-salimH2 = 4-(2-((5-nitrosalicylidene)amino)ethyl)imidazole] with Varying Nuclearity. Inorganic Chemistry, 1995, 34, 5252-5260.	1.9	49
237	Synthesis and Crystal Structure of the First Inverse 12-Metallacrown-4. Inorganic Chemistry, 1995, 34, 2271-2272.	1.9	86
238	A structurally characterized dichloro-manganese(IV) complex capable of halogenating alkenes. Journal of the Chemical Society Chemical Communications, 1995, , 2015.	2.0	23
239	A Model for the Inhibition of Urease by Hydroxamates. Journal of the American Chemical Society, 1995, 117, 6368-6369.	6.6	117
240	Modeling the Chemistry and Properties of Multinuclear Manganese Enzymes. , 1995, , 287-298.		8
241	A Modelling Approach for Understanding Water Oxidation in Photosynthesis. , 1995, , 1355-1358.		0
242	Compositional and geometrical isomers of 15-metallacrowns-5 complexes. Polyhedron, 1994, 13, 1379-1391.	1.0	81
243	Interaction of Manganese with Dioxygen and Its Reduced Derivatives. Chemical Reviews, 1994, 94, 807-826.	23.0	375
244	A functional model for vanadium haloperoxidase. Journal of the American Chemical Society, 1994, 116, 3627-3628.	6.6	114
245	Copper(II) 12-Metallacrown-4: Synthesis, Structure, Ligand Variability, and Solution Dynamics in the 12-MC-4 Structural Motif. Inorganic Chemistry, 1994, 33, 4840-4849.	1.9	138
246	The Preparation of VO3+ and VO2+ Complexes Using Hydrolytically Stable, Asymmetric Ligands Derived from Schiff Base Precursors. Inorganic Chemistry, 1994, 33, 4669-4675.	1.9	83
247	Structural and Magnetic Effects of Successive Protonations of Oxo Bridges in High-Valent Manganese Dimers. Journal of the American Chemical Society, 1994, 116, 11349-11356.	6.6	130
248	The effect of protonation on [Mn(IV)(?2-O)]2 complexes. Photosynthesis Research, 1993, 38, 303-308.	1.6	50
249	Generalizing the metallacrown analogy: ligand variation and solution stability of the VVO 9-metallacrown-3 structure type. Inorganic Chemistry, 1993, 32, 6008-6015.	1.9	82
250	[Mn(III)(2-OHsalpn)]2 is an efficient functional model for the manganese catalases. Journal of the American Chemical Society, 1993, 115, 7928-7929.	6.6	106
251	The linear Mn II complex Mn3(5-NO2-salimH)2(OAc)4 provides an alternative structure type for the carboxylate shift in proteins. Journal of the Chemical Society Chemical Communications, 1993, , 1741.	2.0	13
252	The fused metallacrown anion Na2{[Na0.5[Ga(salicylhydroximate)]4]2(.mu.2-OH)4}- is an inorganic analog of a cryptate. Journal of the American Chemical Society, 1993, 115, 5857-5858.	6.6	90

#	Article	IF	Citations
253	Structural and spectroscopic characterization of dioxovanadium(V) complexes with asymmetric Schiff base ligands. Inorganic Chemistry, 1993, 32, 3855-3861.	1.9	112
254	Structural and magnetic characterization of alternating AB chains of composition [(Cat)2{MnIII(malonate)2(CH3OH)2][MnIII(malonate)2]}]n and (Cat)2[[MnIII(malonate)2(CH3OH)][MnIII(malonate)2]]n. Inorganic Chemistry, 1993, 32, 3034-3040.	1.9	40
255	Implications for the spectroscopic assignment of vanadium biomolecules: structural and spectroscopic characterization of monooxovanadium(V) complexes containing catecholate and hydroximate based noninnocent ligands. Journal of the American Chemical Society, 1992, 114, 9925-9933.	6.6	151
256	Protonation of [{MnIV(saltn)(Âµ-O)}2] results in significant modification of structure and catalase-like reactivity. Journal of the Chemical Society Chemical Communications, 1992, , 102-103.	2.0	45
257	Modeling vanadium bromoperoxidase: synthesis, structure, and spectral properties of vanadium(IV) complexes with coordinated imidazole. Inorganic Chemistry, 1992, 31, 2035-2043.	1.9	110
258	Manganese-manganese separations in oxide- and alkoxide-bridged complexes: correlation of structure with ligand type and number. Inorganic Chemistry, 1992, 31, 373-378.	1.9	122
259	Asymmetric mixed-valent complex {[Mn(2-OH-3,5-Cl2-SALPN)]2(THF)}ClO4 shows a temperature-dependent interconversion between g = 2 multiline and low-field EPR signals. Journal of the American Chemical Society, 1992, 114, 6263-6265.	6.6	41
260	Structural and spectroscopic characterization of vanadium(V)-oxoimidazole complexes. Inorganic Chemistry, 1992, 31, 1981-1983.	1.9	49
261	Structural and magnetic characterization of trinuclear, mixed-valence manganese acetates. Inorganic Chemistry, 1992, 31, 5424-5432.	1.9	90
262	The peroxide-dependent .mu.2-O bond formation of manganese complex [Mn(IV)SALPN(O)]2. Journal of the American Chemical Society, 1991, 113, 3810-3818.	6.6	196
263	Catalytic disproportionation of hydrogen peroxide by manganese complex [Mn(IV)(.mu.2-O)(SALPN)]2. Journal of the American Chemical Society, 1991, 113, 7809-7810.	6.6	107
264	Cationic control of spin dimensionality in infinite chains of (cation)2[MnIII(salicylate)2(CH3OH)2][MnIII(salicylate)2]. Inorganic Chemistry, 1991, 30, 3900-3907.	1.9	37
265	A functional analogy between crown ethers and metallacrowns. Inorganic Chemistry, 1991, 30, 878-880.	1.9	76
266	Manganese complexes of .alpha.-hydroxy acids. Inorganic Chemistry, 1991, 30, 8-15.	1.9	76
267	Triamminechromium(III) complexes of tripolyphosphate and adenosine tri- and diphosphate. Journal of Inorganic Biochemistry, 1991, 41, 105-116.	1.5	3
268	Effects of alternation in some quasiâ€oneâ€dimensional magnetic materials. Journal of Applied Physics, 1991, 69, 6013-6015.	1.1	19
269	Copper-induced expression, cloning, and regulatory studies of the plastocyanin gene from the cyanobacterium Synechocystis sp. PCC 6803. Plant Molecular Biology, 1990, 15, 633-642.	2.0	108
270	Development of Metallacrown Ethers: A New Class of Metal Clusters. Comments on Inorganic Chemistry, 1990, 11, 59-84.	3.0	71

#	Article	IF	Citations
271	Structural characterization of the manganese sites in the photosynthetic oxygen-evolving complex using x-ray absorption spectroscopy. Journal of the American Chemical Society, 1990, 112, 2549-2557.	6.6	173
272	Monomeric and dimeric vanadium(IV) and -(V) complexes of N-(hydroxyalkyl)salicylideneamines: structures, magnetochemistry and reactivity. Inorganic Chemistry, 1990, 29, 944-951.	1.9	146
273	XAS of Mn in the photosynthetic oxygen evolving complex. Physica B: Condensed Matter, 1989, 158, 107-109.	1.3	2
274	Structural characterization of [VO(salicylhydroximate)(CH3OH)]3: Applications to the biological chemistry of vanadium(V). Inorganica Chimica Acta, 1989, 155, 171-173.	1.2	135
275	Structurally diverse manganese(III) Schiff base complexes: chains, dimers, and cages. Inorganic Chemistry, 1989, 28, 2037-2044.	1.9	143
276	Monovalent cations (Na+ , K+ , Cs+) inhibit calcium activation of photosynthetic oxygen evolution. FEBS Letters, 1989, 244, 237-240.	1.3	35
277	Isolation and characterization of {MnII[MnIII(salicylhydroximate)]4(acetate)2(DMF)6}.cntdot.2DMF: an inorganic analog of M2+(12-crown-4). Journal of the American Chemical Society, 1989, 111, 7258-7259.	6.6	256
278	Structurally diverse manganese(III) Schiff base complexes: solution speciation via paramagnetic proton NMR spectroscopy and electrochemistry. Inorganic Chemistry, 1989, 28, 2044-2051.	1.9	102
279	The tetranuclear cluster Fe III [Fe III (salicylhydroximato)(MeOH)(acetate)]3 is an analogue of M3+(9-crown-3). Journal of the Chemical Society Chemical Communications, 1989, , 1606.	2.0	91
280	A bent mixed-valence manganese(III/II/III) complex: a new class of trinuclear, acetate bridged Schiff's base compounds exhibiting a g= 2 multiline e.s.r. signal. Journal of the Chemical Society Chemical Communications, 1989, , 84.	2.0	31
281	Stepwise, metal-assisted decarboxylation promoted by manganese: reactivity relationship between manganese and vanadium. Inorganic Chemistry, 1989, 28, 3403-3410.	1.9	39
282	Isolation of a mixed-valence trinuclear manganese complex potentially relevant to the photosynthetic oxygen evolving complex. Inorganic Chemistry, 1988, 27, 1-3.	1.9	66
283	Vanadium complexes of the tridentate Schiff base ligand N-salicylidene-N'-(2-hydroxyethyl)ethylenediamine: acid-base and redox conversion between vanadium(IV) and vanadium(V) imino phenolates. Inorganic Chemistry, 1988, 27, 4657-4664.	1.9	113
284	Characterization of mono- and binuclear manganese(II) Schiff base complexes with metal-disulfide ligation. Inorganic Chemistry, 1987, 26, 495-503.	1.9	102
285	Novel reactivity patterns of (N,N'-ethylenebis(salicylideneaminato))oxovanadium(IV) in strongly acidic media. Inorganic Chemistry, 1987, 26, 1218-1222.	1.9	113
286	Mononuclear manganese(IV) complexes of hydroxyl-rich Schiff base ligands. Inorganic Chemistry, 1987, 26, 2487-2492.	1.9	119
287	Determination of the absolute configurations of the isomers of triamminecobalt(III) adenosine triphosphate. Journal of the American Chemical Society, 1986, 108, 4167-4171.	6.6	7
288	The acid promoted disproportionation of a vanadium(IV) phenolate: implications for vanadium uptake in tunicates. Journal of the Chemical Society Chemical Communications, 1986, , 1218.	2.0	19

#	Article	IF	Citations
289	X-ray crystallographic characterization of a stepwise, metal-assisted oxidative decarboxylation: vanadium complexes of ethylenebis[(o-hydroxyphenyl)glycine] and derivatives. Inorganic Chemistry, 1986, 25, 154-160.	1.9	96
290	Structural and spectroscopic characterization of the manganese(IV) Schiff base complex		