James E Penner-Hahn

List of Publications by Year
in descending order

163 papers	10,688 citations	25034 57 h-index	32842 100 g-index
201 all docs	201 docs citations	201 times ranked	10745 citing authors

#	Article	IF	Citations
1	Time-resolved spectroscopy: Advances in understanding the electronic structure and dynamics of cobalamins. Methods in Enzymology, 2022, , 303-331.	1.0	2
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.	4.0	2
3	UNEXPECTED PLASTICITY OF THE QUATERNARY STRUCTURE OF IRON-MANGANESE SUPEROXIDE DISMUTASES. Journal of Structural Biology, 2022, , 107855.	2.8	0
4	Synthesis and characterization of amorphous Fe2.75Dy-oxide thin films demonstrating room-temperature semiconductor, magnetism, and optical transparency. Journal of Applied Physics, 2021, 129, 035701.	2.5	0
5	Nitrite reductase activity within an antiparallel de novo scaffold. Journal of Biological Inorganic Chemistry, 2021, 26, 855-862.	2.6	4
6	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.	13.7	3
7	Rational De Novo Design of a Cu Metalloenzyme for Superoxide Dismutation. Chemistry - A European Journal, 2020, 26, 249-258.	3.3	16
8	Ultrafast XANES Monitors Femtosecond Sequential Structural Evolution in Photoexcited Coenzyme B₁₂. Journal of Physical Chemistry B, 2020, 124, 199-209.	2.6	17
9	Probing a Silent Metal: A Combined X-ray Absorption and Emission Spectroscopic Study of Biologically Relevant Zinc Complexes. Inorganic Chemistry, 2020, 59, 13551-13560.	4.0	16
10	Traversing the Redâ€“Greenâ€“Blue Color Spectrum in Rationally Designed Cupredoxins. Journal of the American Chemical Society, 2020, 142, 15282-15294.	13.7	10
11	An Interprotein Coâ€“S Coordination Complex in the B₁₂-Trafficking Pathway. Journal of the American Chemical Society, 2020, 142, 16334-16345.	13.7	20
12	Making or Breaking Metalâ€Dependent Catalytic Activity: The Role of Stammers in Designed Threeâ€Stranded Coiled Coils. Angewandte Chemie, 2020, 132, 20625-20629.	2.0	0
13	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.	13.8	10
14	Determining the coordination environment and electronic structure of polymer-encapsulated cobalt phthalocyanine under electrocatalytic CO₂ reduction conditions using in situ X-Ray absorption spectroscopy. Dalton Transactions, 2020, 49, 16329-16339.	3.3	29
15	The Photoactive Excited State of the B₁₂-Based Photoreceptor CarH. Journal of Physical Chemistry B, 2020, 124, 10732-10738.	2.6	25
16	Ballistic excited state dynamics revealed by polarized fs-XANES. EPJ Web of Conferences, 2019, 205, 05014.	0.3	1
17	Probing the Excited State of Methylcobalamin Using Polarized Time-Resolved X-ray Absorption Spectroscopy. Journal of Physical Chemistry B, 2019, 123, 6042-6048.	2.6	12
18	Antivitamins B₁₂ in a Microdrop: The Excited-State Structure of a Precious Sample Using Transient Polarized X-ray Absorption Near-Edge Structure. Journal of Physical Chemistry Letters, 2019, 10, 5484-5489.	4.6	10

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19	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.	13.7	15
20	M-BLANK: a program for the fitting of X-ray fluorescence spectra. Journal of Synchrotron Radiation, 2019, 26, 497-503.	2.4	21
21	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.	2.6	16
22	X-Ray Fluorescence-Detected Flow Cytometry. Methods in Molecular Biology, 2018, 1745, 97-112.	0.9	3
23	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.	2.0	8
24	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.	13.8	23
25	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.	2.6	16
26	Development of a Rubredoxin-Type Center Embedded in a de Dovo-Designed Three-Helix Bundle. Biochemistry, 2018, 57, 2308-2316.	2.5	16
27	Clarifying the Copper Coordination Environment in a de Novo Designed Red Copper Protein. Inorganic Chemistry, 2018, 57, 12291-12302.	4.0	19
28	Ultrafast X-ray Absorption Near Edge Structure Reveals Ballistic Excited State Structural Dynamics. Journal of Physical Chemistry A, 2018, 122, 4963-4971.	2.5	34
29	Electrochemical and structural investigation of Mg-doped Li3V(2-2x/3)Mgx(PO4)3. Journal of Power Sources, 2018, 396, 491-497.	7.8	10
30	Non-heme High-Spin {FeNO}^{6â€“8} Complexes: One Ligand Platform Can Do It All. Journal of the American Chemical Society, 2018, 140, 11341-11359.	13.7	34
31	Polarized XANES Monitors Femtosecond Structural Evolution of Photoexcited Vitamin B₁₂. Journal of the American Chemical Society, 2017, 139, 1894-1899.	13.7	64
32	Development of a single-cell X-ray fluorescence flow cytometer. Journal of Synchrotron Radiation, 2016, 23, 901-908.	2.4	10
33	Electrochemical and Structural Investigation of the Mechanism of Irreversibility in Li₃V₂(PO₄)₃ Cathodes. Journal of Physical Chemistry C, 2016, 120, 7005-7012.	3.1	51
34	Pseudocapacitive charge storage via hydrogen insertion for molybdenum nitrides. Journal of Power Sources, 2015, 289, 154-159.	7.8	36
35	Fibroblasts From Long-Lived Rodent Species Exclude Cadmium. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 10-19.	3.6	12
36	De Novo Design and Characterization of Copper Metallopeptides Inspired by Native Cupredoxins. Inorganic Chemistry, 2015, 54, 9470-9482.	4.0	25

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37	A Deâ€...Novo Designed Metalloenzyme for the Hydration of CO₂. Angewandte Chemie - International Edition, 2014, 53, 7900-7903.	13.8	69
38	Abnormal metal levels in the primary visual pathway of the DBA/2J mouse model of glaucoma. BioMetals, 2014, 27, 1291-1301.	4.1	16
39	The electrochemical and local structural analysis of the mesoporous Li4Ti5O12 anode. Journal of Power Sources, 2014, 268, 294-300.	7.8	22
40	Understanding Spin Structure in Metallacrown Single-Molecule Magnets using Magnetic Compton Scattering. Journal of the American Chemical Society, 2014, 136, 4889-4892.	13.7	45
41	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.	13.7	49
42	Zinc stabilization of prefibrillar oligomers of human islet amyloid polypeptide. Chemical Communications, 2013, 49, 3339.	4.1	72
43	Competition of 3d/4f orbitals due to competing conductivity and ferromagnetism in Fe/CoAs layers in Eu(Fe0.89Co0.11)2As2. Journal of Applied Physics, 2013, 113, 013907.	2.5	1
44	Technologies for Detecting Metals in Single Cells. Metal Ions in Life Sciences, 2013, 12, 15-40.	2.8	11
45	Imaging of 3dMn orbitals in the ferromagnetic state for Ca-substituted manganite: Magnetic Compton investigation. Physical Review B, 2012, 85, .	3.2	0
46	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.	7.1	101
47	Fluxes in â€œFreeâ€•and Total Zinc Are Essential for Progression of Intraerythrocytic Stages of Plasmodium falciparum. Chemistry and Biology, 2012, 19, 731-741.	6.0	60
48	Geometric and Electrostatic Study of the [4Fe-4S] Cluster of Adenosine-5â€²-Phosphosulfate Reductase from Broken Symmetry Density Functional Calculations and Extended X-ray Absorption Fine Structure Spectroscopy. Inorganic Chemistry, 2011, 50, 6610-6625.	4.0	30
49	Tetrathiomolybdate Inhibits Copper Trafficking Proteins Through Metal Cluster Formation. Science, 2010, 327, 331-334.	12.6	151
50	Structural and Electrochemical Investigation of Li(Ni[sub 0.4]Co[sub 0.15]Al[sub 0.05]Mn[sub) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	2.9	32
51	Activation ofEscherichia coliUDP-3-O-[(R)-3-hydroxymyristoyl]-N-acetylglucosamine Deacetylase by Fe²⁺Yields a More Efficient Enzyme with Altered Ligand Affinity. Biochemistry, 2010, 49, 2246-2255.	2.5	32
52	Coencapsulation of Arsenicâ€•and Platinumâ€based Drugs for Targeted Cancer Treatment. Angewandte Chemie - International Edition, 2009, 48, 9295-9299.	13.8	69
53	Cu(I) recognition via cation-Ï€ and methionine interactions in CusF. Nature Chemical Biology, 2008, 4, 107-109.	8.0	220
54	Synthesis, Characterization, and in Vitro Testing of Superparamagnetic Iron Oxide Nanoparticles Targeted Using Folic Acid-Conjugated Dendrimers. ACS Nano, 2008, 2, 773-783.	14.6	163

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55	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.	4.0	29
56	Elucidating the Protonation Site of Vanadium Peroxide Complexes and the Implications for Biomimetic Catalysis. Journal of the American Chemical Society, 2008, 130, 2712-2713.	13.7	105
57	Chapter 10 Structure and Dynamics of Metalloproteins in Live Cells. Methods in Cell Biology, 2008, 90, 199-216.	1.1	11
58	Zinc-promoted alkyl transfer: a new role for zinc. Current Opinion in Chemical Biology, 2007, 11, 166-171.	6.1	52
59	UDPâ€3â€Oâ€(Râ€3â€hydroxymyristoyl)â€Nâ€acetylglucosamine deacetylase functions as a Zn(II) or Fe(II)â€dependent enzyme. FASEB Journal, 2007, 21, A1014.	0.5	0
60	Meeting Report: Chemical and Biological Applications of X-ray Emission Spectroscopy. Synchrotron Radiation News, 2006, 19, 39-40.	0.8	0
61	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.	2.6	80
62	Characterization of â€œspectroscopically quietâ€•metals in biology. Coordination Chemistry Reviews, 2005, 249, 161-177.	18.8	144
63	A method for normalization of X-ray absorption spectra. Journal of Synchrotron Radiation, 2005, 12, 506-510.	2.4	81
64	BIOCHEMISTRY: The Photosynthesis "Oxygen Clock" Gets a New Number. Science, 2005, 310, 982-983.	12.6	20
65	Reexamination of Lead(II) Coordination Preferences in Sulfur-Rich Sites:Â Implications for a Critical Mechanism of Lead Poisoning. Journal of the American Chemical Society, 2005, 127, 9495-9505.	13.7	211
66	Structural, Spectroscopic, and Reactivity Models for the Manganese Catalases. ChemInform, 2004, 35, no.	0.0	1
67	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.	13.7	61
68	Is the Allylpalladium Structure Altered between Solid and Solutions?. Journal of the American Chemical Society, 2004, 126, 9079-9084.	13.7	7
69	Probing reactive sites within the Photosystem II manganese cluster: Evidence for separate populations of manganese that differ in redox potential. Physical Chemistry Chemical Physics, 2004, 6, 4897.	2.8	20
70	Structural, Spectroscopic, and Reactivity Models for the Manganese Catalases. Chemical Reviews, 2004, 104, 903-938.	47.7	440
71	Zinc catalyzed alkyl-transfer enzymes. Journal of Inorganic Biochemistry, 2003, 96, 58.	3.5	0
72	Snapshots of transition states?. , 2003, 10, 75-77.		8

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73	EXAFS studies of the zinc sites of UDP-(3-O-acyl)-N-acetylglucosamine deacetylase (LpxC). Journal of Inorganic Biochemistry, 2003, 94, 78-85.	3.5	36
74	Structural Characterization of the Zinc Site in Protein Farnesyltransferase. Journal of the American Chemical Society, 2003, 125, 9962-9969.	13.7	67
75	The PcoC Copper Resistance Protein Coordinates Cu(I) via Novel S-Methionine Interactions. Journal of the American Chemical Society, 2003, 125, 342-343.	13.7	60
76	Models for the Lower S States of Photosystem II:Â A Trinuclear Mixed-Valent MnII/MnIV/MnIIComplex. Inorganic Chemistry, 2003, 42, 2185-2187.	4.0	55
77	An Atypical Linear Cu(I)â^'S2Center Constitutes the High-Affinity Metal-Sensing Site in the CueR Metalloregulatory Protein. Journal of the American Chemical Society, 2003, 125, 12088-12089.	13.7	54
78	A Light-Dependent Mechanism for Massive Accumulation of Manganese in the Photosynthetic BacteriumSynechocystissp. PCC 6803â€. Biochemistry, 2002, 41, 15085-15092.	2.5	85
79	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.	13.7	129
80	Introduction:â€‰ X-rays in Chemistry. Chemical Reviews, 2001, 101, 1567-1568.	47.7	12
81	Structural Basis for the Functional Switch of theE. coliAda Proteinâ€,â€¡. Biochemistry, 2001, 40, 4261-4271.	2.5	28
82	Zincâ^'Thiolate Intermediate in Catalysis of Methyl Group Transfer inMethanosarcina barkeriâ€. Biochemistry, 2001, 40, 13068-13078.	2.5	32
83	Characterization of the Metal Receptor Sites inEscherichia coliZur, an Ultrasensitive Zinc(II) Metalloregulatory Proteinâ€. Biochemistry, 2001, 40, 10417-10423.	2.5	106
84	Characterization of the Zinc Sites in Cobalamin-Independent and Cobalamin-Dependent Methionine Synthase Using Zinc and Selenium X-ray Absorption Spectroscopyâ€. Biochemistry, 2001, 40, 987-993.	2.5	72
85	A C/MoS₂mixed-layer phase (MoSC) occurring in metalliferous black shales from southern China, and new data on jordisite. American Mineralogist, 2001, 86, 852-861.	1.9	62
86	Metalloproteins. D. P. Ballou. Quarterly Review of Biology, 2001, 76, 229-229.	0.1	0
87	X-ray microprobe imaging and X-ray microspectroscopy in biology. Synchrotron Radiation News, 2000, 13, 22-30.	0.8	6
88	The McbB Component of Microcin B17 Synthetase Is a Zinc Metalloproteinâ€. Biochemistry, 2000, 39, 16190-16199.	2.5	27
89	A Short Fe-Fe Distance in Peroxodiferric Ferritin: Control of Fe Substrate Versus Cofactor Decay?. Science, 2000, 287, 122-125.	12.6	184
90	A Mutant Human IscU Protein Contains a Stable [2Feâ^'2S]2+Center of Possible Functional Significance. Journal of the American Chemical Society, 2000, 122, 6805-6806.	13.7	79

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91	Characterization of the Heme in Human Cystathionine Î²-Synthase by X-ray Absorption and Electron Paramagnetic Resonance Spectroscopiesâ€. Biochemistry, 2000, 39, 10542-10547.	2.5	46
92	Element-Specific Detection in Capillary Electrophoresis Using X-ray Fluorescence Spectroscopy. Analytical Chemistry, 2000, 72, 1754-1758.	6.5	24
93	Arsenic(III)â^'Cysteine Interactions Stabilize Three-Helix Bundles in Aqueous Solution. Inorganic Chemistry, 2000, 39, 5422-5423.	4.0	74
94	The impact of synchrotron radiation on biology. Synchrotron Radiation News, 2000, 13, 2-3.	0.8	0
95	Oxidation state of gold and arsenic in gold-bearing arsenian pyrite. American Mineralogist, 1999, 84, 1071-1079.	1.9	277
96	NMR Characterization of Substrate Binding in the Phthalate Dioxygenase Systemâ€. Biochemistry, 1999, 38, 11051-11061.	2.5	20
97	Identification of the Zinc Ligands in Cobalamin-Independent Methionine Synthase (MetE) fromEscherichia coliâ€. Biochemistry, 1999, 38, 15915-15926.	2.5	87
98	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.	4.0	39
99	X-Ray Absorption Spectroscopy of Dimethylcuprates: Evidence for Solvent-Dependent Aggregation. Angewandte Chemie - International Edition, 1998, 37, 1564-1566.	13.8	38
100	Extracting Dynamic Information from EXAFS: Simultaneous Analysis of Multiple Temperature-Dependent Data. Journal of Synchrotron Radiation, 1998, 5, 1383-1389.	2.4	3
101	The Limitations of X-ray Absorption Spectroscopy for Determining the Structure of Zinc Sites in Proteins. When Is a Tetrathiolate Not a Tetrathiolate?. Journal of the American Chemical Society, 1998, 120, 8401-8409.	13.7	133
102	Structural Characterization and Thermal Stability of MoS2Intercalation Compounds. Chemistry of Materials, 1998, 10, 2152-2161.	6.7	174
103	Applications of X-ray Absorption Spectroscopy to Characterization of the Mn Cluster in the Photosynthetic Oxygen Evolving Complex. ACS Symposium Series, 1998, , 348-359.	0.5	1
104	Structural characterization of the Mn site in the photosynthetic oxygen-evolving complex. Structure and Bonding, 1998, , 1-36.	1.0	49
105	De NovoDesign of Mercury-Binding Two- and Three-Helical Bundles. Journal of the American Chemical Society, 1997, 119, 6195-6196.	13.7	157
106	Spectroscopic Characterization of Inhibitor Interactions with the Mn(III)/Mn(IV) Core inLactobacillus plantarumManganese Catalase. Journal of the American Chemical Society, 1997, 119, 9215-9225.	13.7	39
107	Structural characterization of the Mn sites in Mn catalase and in the photosynthetic oxygen evolving complex. Journal of Inorganic Biochemistry, 1997, 67, 208.	3.5	0
108	Probing the catalase activity associated with the R2 protein of ribonucleotide reductase from E. coli. Journal of Inorganic Biochemistry, 1997, 67, 337.	3.5	4

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109	X-ray Absorption Spectroscopy of the Zinc Site in tRNA-Guanine Transglycosylase fromEscherichiacoliâ€. Biochemistry, 1996, 35, 3133-3139.	2.5	16
110	X-ray Absorption Spectroscopy of Calcium-Substituted Derivatives of the Oxygen-Evolving Complex of Photosytem II. Journal of the American Chemical Society, 1996, 118, 2400-2410.	13.7	99
111	Cobalamin-Independent Methionine Synthase fromEscherichia coli:Â A Zinc Metalloenzymeâ€. Biochemistry, 1996, 35, 12228-12234.	2.5	141
112	Reduced Derivatives of the Mn Cluster in the Oxygen-Evolving Complex of Photosystem II:â€‰ An EXAFS Study. Journal of the American Chemical Society, 1996, 118, 2387-2399.	13.7	99
113	Mechanism for the Homolytic Cleavage of Alkyl Hydroperoxides by the Manganese(III) Dimer MnIII2(2-OHsalpn)2. Inorganic Chemistry, 1996, 35, 3577-3584.	4.0	62
114	Structural Characterization of Manganese Redox Enzymes. Advances in Chemistry Series, 1996, , 219-248.	0.6	6
115	X-ray Absorption Spectroscopy of the Iron Site in Escherichia coli Fe(III) Superoxide Dismutase. Biochemistry, 1995, 34, 1661-1668.	2.5	85
116	Conversion of a Fe2S2 Ferredoxin into a Ga3+ Rubredoxin. Journal of the American Chemical Society, 1995, 117, 6625-6626.	13.7	19
117	Mechanism of manganese catalase peroxide disproportionation: determination of manganese oxidation states during turnover. Biochemistry, 1995, 34, 1507-1512.	2.5	100
118	Temperature Dependent Rh.cntdot..cntdot..cntdot.Rh EXAFS in Dinuclear and Adsorbed Rhodium Species. Journal of the American Chemical Society, 1995, 117, 5861-5862.	13.7	6
119	Preliminary x-ray analysis ofEscherichia coli GMP synthetase: Determination of anomalous scattering factors for a cysteinyl mercury derivative. Proteins: Structure, Function and Bioinformatics, 1994, 18, 394-403.	2.6	24
120	Effect of Dopants on Zirconia Stabilization-An X-ray Absorption Study: II, Tetravalent Dopants. Journal of the American Ceramic Society, 1994, 77, 1281-1288.	3.8	275
121	Effect of Dopants on Zirconia Stabilization-An X-ray Absorption Study: III, Charge-Compensating Dopants. Journal of the American Ceramic Society, 1994, 77, 1289-1295.	3.8	160
122	Effect of Dopants on Zirconia Stabilization-An X-ray Absorption Study: I, Trivalent Dopants. Journal of the American Ceramic Society, 1994, 77, 118-128.	3.8	527
123	Simulation of Multifrequency EPR Spectra from Mn(III)/Mn(IV) Catalase of Lactobacillus plantarum Using a New Approach Based on Perturbation Theory. Inorganic Chemistry, 1994, 33, 2677-2682.	4.0	32
124	Structural Characterization of the Copper Site in Galactose Oxidase Using X-ray Absorption Spectroscopy. Biochemistry, 1994, 33, 12553-12557.	2.5	39
125	Thiol Ligation of Two Zinc Atoms to a Class I tRNA Synthetase: Evidence for Unshared Thiols and Role in Amino Acid Binding and Utilization. Biochemistry, 1994, 33, 14213-14220.	2.5	18
126	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.	13.7	130

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127	Structural characterization of reduced and chemically substituted derivatives of the MN cluster in the photosynthetic oxygen evolving complex. Journal of Inorganic Biochemistry, 1993, 51, 476.	3.5	0
128	An EXAFS spectroscopic study of solvates of copper(I) and copper(II) in acetonitrile, dimethyl sulfoxide, pyridine, and tetrahydrothiophene solutions and a large-angle x-ray scattering study of the copper(II) acetonitrile solvate in solution. Inorganic Chemistry, 1993, 32, 2497-2501.	4.0	65
129	X-ray-absorption studies of zirconia polymorphs. I. Characteristic local structures. Physical Review B, 1993, 48, 10063-10073.	3.2	263
130	X-ray absorption spectroscopic studies of the blue copper site: metal and ligand K-edge studies to probe the origin of the EPR hyperfine splitting in plastocyanin. Journal of the American Chemical Society, 1993, 115, 767-776.	13.7	284
131	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.	13.7	90
132	X-ray-absorption studies of zirconia polymorphs. II. Effect ofY2O3dopant onZrO2structure. Physical Review B, 1993, 48, 10074-10081.	3.2	223
133	Structural characterization of organocopper reagents by EXAFS spectroscopy. Journal of the American Chemical Society, 1993, 115, 348-350.	13.7	66
134	X-ray-absorption studies of zirconia polymorphs. III. Static distortion and thermal distortion. Physical Review B, 1993, 48, 10082-10089.	3.2	64
135	Characterization of the Mn Site in the Photosynthetic Oxygen Evolving Complex: The Effect of Hydroxylamine and Hydroquinone on the X-ray Absorption Spectra. Japanese Journal of Applied Physics, 1993, 32, 527.	1.5	4
136	Atomic Structure Studies of Zirconia Solid Solutions by EXAFS. Materials Research Society Symposia Proceedings, 1993, 307, 27.	0.1	5
137	Structural Characterization of the Binding Site in the MerR Metalloregulatory Protein. Japanese Journal of Applied Physics, 1993, 32, 536.	1.5	2
138	Structural characterization of the binuclear Mn site in Lactobacillus plantarum manganese catalase. Journal of the American Chemical Society, 1992, 114, 5869-5870.	13.7	100
139	Reduced derivatives of the manganese cluster in the photosynthetic oxygen-evolving complex. Journal of the American Chemical Society, 1992, 114, 10650-10651.	13.7	81
140	Determination of the chemical environment of sulphur in petroleum asphaltenes by X-ray absorption spectroscopy. Fuel, 1992, 71, 53-57.	6.4	133
141	Inactivation and reactivation of manganese catalase: oxidation-state assignments using x-ray absorption spectroscopy. Biochemistry, 1991, 30, 10486-10490.	2.5	55
142	Characterization of rhodium olefin complexes chemisorbed onto .gamma.-alumina by solid-state 13C NMR and EXAFS spectroscopies. Organometallics, 1991, 10, 3803-3806.	2.3	9
143	X-ray Absorption Studies of Ceria with Trivalent Dopants. Journal of the American Ceramic Society, 1991, 74, 958-967.	3.8	75
144	Oxidation-state assignments for galactose oxidase complexes from x-ray absorption spectroscopy. Evidence for copper(II) in the active enzyme. Journal of the American Chemical Society, 1990, 112, 6433-6434.	13.7	78

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145	Coordination chemistry of the Hg-MerR metalloregulatory protein: evidence for a novel tridentate mercury-cysteine receptor site. Journal of the American Chemical Society, 1990, 112, 2434-2435.	13.7	90
146	Sulfidation of organic matter associated with gold mineralization, Pueblo viejo, Dominican republic. Applied Geochemistry, 1990, 5, 237-248.	3.0	22
147	The physical and chemical action of fire suppressants. Fire Safety Journal, 1989, 15, 437-450.	3.1	118
148	XAS of Mn in the photosynthetic oxygen evolving complex. Physica B: Condensed Matter, 1989, 158, 107-109.	2.7	2
149	Polarized XANES of Co(III)(NH3)6 molecular crystals. Physica B: Condensed Matter, 1989, 158, 253-254.	2.7	2
150	Low-temperature x-ray absorption spectroscopy of plastocyanin: evidence for copper-site photoreduction at cryogenic temperatures. Inorganic Chemistry, 1989, 28, 1826-1832.	4.0	45
151	X-ray absorption spectroscopy of the [2-iron-2-sulfur] Rieske cluster in Pseudomonas cepacia phthalate dioxygenase. Determination of core dimensions and iron ligation. Biochemistry, 1989, 28, 7233-7240.	2.5	61
152	Formation of gold(I) halide and thiocyanate complexes in pyridine and acetonitrile and the structures of gold(I) solvates in these solvents. A thermodynamic and EXAFS spectroscopic study. Inorganic Chemistry, 1989, 28, 1833-1838.	4.0	24
153	X-Ray Absorption Spectroscopy of Pseudomonas Cepacia Phthalate Dioxygenase. , 1989, 51, 177-186.		0
154	Syngas and HDS catalysts derived from sulphido bimetallic clusters. Polyhedron, 1988, 7, 2411-2420.	2.2	53
155	X-ray Absorption Spectroscopy for Characterizing Metal Clusters in Proteins. ACS Symposium Series, 1988, , 28-48.	0.5	4
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