Pierre Moenne-Loccoz

List of Publications by Year
in descending order

138 papers	5,954 citations	53751 45 h-index	91828 69 g-index
146 all docs	146 docs citations	146 times ranked	4242 citing authors

#	Article	IF	Citations
1	Nitric Oxide in Biological Denitrification:â€‰ Fe/Cu Metalloenzyme and Metal Complex NOx Redox Chemistry. Chemical Reviews, 2002, 102, 1201-1234.	23.0	435
2	O2Activation by Non-Heme Diiron Proteins:Â Identification of a Symmetric Î¼-1,2-Peroxide in a Mutant of Ribonucleotide Reductaseâ€. Biochemistry, 1998, 37, 14659-14663.	1.2	173
3	The Ferroxidase Reaction of Ferritin Reveals a Diferric Î¼-1,2 Bridging Peroxide Intermediate in Common with Other O2-Activating Non-Heme Diiron Proteinsâ€. Biochemistry, 1999, 38, 5290-5295.	1.2	147
4	Roles of the Proximal Heme Thiolate Ligand in Cytochrome P450cam. Journal of the American Chemical Society, 2001, 123, 4877-4885.	6.6	129
5	Why copper is preferred over iron for oxygen activation and reduction in haem-copper oxidases. Nature Chemistry, 2017, 9, 257-263.	6.6	126
6	Structural Characterization of the Catalytic High-Spin Hemebof Nitric Oxide Reductase:Â A Resonance Raman Studyâ€. Journal of the American Chemical Society, 1998, 120, 5147-5152.	6.6	110
7	Replacement of the Proximal Histidine Iron Ligand by a Cysteine or Tyrosine Converts Heme Oxygenase to an Oxidaseâ€. Biochemistry, 1999, 38, 3733-3743.	1.2	110
8	Heme Oxygenase-1, Intermediates in Verdoheme Formation and the Requirement for Reduction Equivalents. Journal of Biological Chemistry, 1997, 272, 6909-6917.	1.6	109
9	Secondary Coordination Sphere Influence on the Reactivity of Nonheme Iron(II) Complexes: An Experimental and DFT Approach. Journal of the American Chemical Society, 2013, 135, 10590-10593.	6.6	102
10	Spectroscopic characterization of heme ironâ€“nitrosyl species and their role in NO reductase mechanisms in diiron proteins. Natural Product Reports, 2007, 24, 610-620.	5.2	100
11	Oxidation of Heme to Î²- and Î´-Biliverdin byPseudomonas aeruginosaHeme Oxygenase as a Consequence of an Unusual Seating of the Heme. Journal of the American Chemical Society, 2002, 124, 14879-14892.	6.6	97
12	Transcription Factor NsrR from <i>Bacillus subtilis</i> Senses Nitric Oxide with a 4Feâ˜'4S Cluster. Biochemistry, 2008, 47, 13084-13092.	1.2	97
13	Nitric Oxide Reductase fromParacoccus denitrificansContains an Oxo-Bridged Heme/Non-Heme Diiron Center. Journal of the American Chemical Society, 2000, 122, 9344-9345.	6.6	93
14	Superoxo, Â-peroxo, and Â-oxo complexes from heme/O2 and heme-Cu/O2 reactivity: Copper ligand influences in cytochrome c oxidase models. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3623-3628.	3.3	93
15	Disruption of an Active Site Hydrogen Bond Converts Human Heme Oxygenase-1 into a Peroxidase. Journal of Biological Chemistry, 2001, 276, 10612-10619.	1.6	90
16	Dioxygen Reactivity of Mononuclear Heme and Copper Components Yielding A High-Spin Hemeâ˜'Peroxoâ˜'Cu Complex. Journal of the American Chemical Society, 2001, 123, 6183-6184.	6.6	88
17	Path of Electron Transfer in Photosystem 1: Direct Evidence of Forward Electron Transfer from A1 to Fe-SX. Biochemistry, 1994, 33, 10037-10042.	1.2	86
18	The Active Site of the Thermophilic CYP119 from Sulfolobus solfataricus. Journal of Biological Chemistry, 2000, 275, 14112-14123.	1.6	84

#	Article	IF	Citations
19	Structural, NMR Spectroscopic, and Computational Investigation of Hemin Loading in the Hemophore HasAp from <i>Pseudomonas aeruginosa</i>. Journal of the American Chemical Society, 2010, 132, 9857-9872.	6.6	82
20	Direct Observation of Oxygen Rebound with an Iron-Hydroxide Complex. Journal of the American Chemical Society, 2017, 139, 13640-13643.	6.6	82
21	Structural Characterization of the Hemophore HasAp from <i>Pseudomonas aeruginosa</i>: NMR Spectroscopy Reveals Proteinâˆ’Protein Interactions between Holo-HasAp and Hemoglobin[,]. Biochemistry, 2009, 48, 96-109.	1.2	80
22	DevS, a Heme-Containing Two-Component Oxygen Sensor of Mycobacterium tuberculosis. Biochemistry, 2007, 46, 4250-4260.	1.2	79
23	Formation and Characterization of a High-Spin Heme-Copper Dioxygen (Peroxo) Complex. Journal of the American Chemical Society, 1999, 121, 9885-9886.	6.6	78
24	Insights into the Nitric Oxide Reductase Mechanism of Flavodiiron Proteins from a Flavin-Free Enzyme. Biochemistry, 2010, 49, 7040-7049.	1.2	78
25	Heme/Non-Heme Diiron(II) Complexes and O2, CO, and NO Adducts as Reduced and Substrate-Bound Models for the Active Site of Bacterial Nitric Oxide Reductase. Journal of the American Chemical Society, 2005, 127, 3310-3320.	6.6	74
26	Rational Reprogramming of the R2 Subunit ofEscherichia coliRibonucleotide Reductase into a Self-Hydroxylating Monooxygenase. Journal of the American Chemical Society, 2001, 123, 7017-7030.	6.6	73
27	A resonance Raman characterization of the primary electron acceptor in photosystem II. Biochemistry, 1989, 28, 3641-3645.	1.2	68
28	Kinetic and Spectroscopic Studies of Hemin Acquisition in the Hemophore HasAp from <i>Pseudomonas aeruginosa</i>. Biochemistry, 2010, 49, 6646-6654.	1.2	63
29	Phenol Nitration Induced by an {Fe(NO)₂}¹⁰ Dinitrosyl Iron Complex. Journal of the American Chemical Society, 2011, 133, 1184-1187.	6.6	63
30	Rational Tuning of the Thiolate Donor in Model Complexes of Superoxide Reductase: Direct Evidence for a <i>trans</i> Influence in Fe^{III}âˆ’OOR Complexes. Journal of the American Chemical Society, 2008, 130, 14189-14200.	6.6	60
31	Coupled Oxidation vs Heme Oxygenation:Â Insights from Axial Ligand Mutants of Mitochondrial Cytochromeb5. Journal of the American Chemical Society, 2003, 125, 4103-4110.	6.6	59
32	The Millisecond Intermediate in the Reaction of Nitric Oxide with Oxymyoglobin is an Iron(III)âˆ’Nitrato Complex, Not a Peroxynitrite. Journal of the American Chemical Society, 2009, 131, 7234-7235.	6.6	58
33	Interaction of Nitric Oxide with Human Heme Oxygenase-1. Journal of Biological Chemistry, 2003, 278, 2341-2347.	1.6	57
34	Endothelial Nitric Oxide Synthase:â€‰ Modulations of the Distal Heme Site Produced by Progressive N-Terminal Deletions. Biochemistry, 1997, 36, 8530-8538.	1.2	56
35	Replacement of the Axial Histidine Ligand with Imidazole in CytochromecPeroxidase. 2. Effects on Heme Coordination and Functionâ€. Biochemistry, 2001, 40, 1274-1283.	1.2	56
36	Tuning the Geometric and Electronic Structure of Synthetic High-Valent Heme Iron(IV)-Oxo Models in the Presence of a Lewis Acid and Various Axial Ligands. Journal of the American Chemical Society, 2019, 141, 5942-5960.	6.6	54

#	Article	IF	Citations
37	Characterization of the topa quinone cofactor in amine oxidase from Escherichia coli by resonance Raman spectroscopy. Biochemistry, 1995, 34, 7020-7026.	1.2	53
38	Fungal Heme Oxygenases:Â Functional Expression and Characterization of Hmx1 fromSaccharomyces cerevisiaeand CaHmx1 fromCandida albicansâ€. Biochemistry, 2006, 45, 14772-14780.	1.2	52
39	Influence of the Nitrogen Donors on Nonheme Iron Models of Superoxide Reductase: High-Spin Fe^{III}â^'OOR Complexes. Journal of the American Chemical Society, 2010, 132, 157-167.	6.6	52
40	Vibrational Analysis of Mononitrosyl Complexes in Hemerythrin and Flavodiiron Proteins: Relevance to Detoxifying NO Reductase. Journal of the American Chemical Society, 2012, 134, 6878-6884.	6.6	51
41	Topaquinone-Dependent Amine Oxidases:Â Identification of Reaction Intermediates by Raman Spectroscopyâ€. Biochemistry, 1997, 36, 11479-11486.	1.2	50
42	Carboxylate as the Protonation Site in (Peroxo)diiron(III) Model Complexes of Soluble Methane Monooxygenase and Related Diiron Proteins. Journal of the American Chemical Society, 2010, 132, 1273-1275.	6.6	48
43	The Production of Nitrous Oxide by the Heme/Nonheme Diiron Center of Engineered Myoglobins (Fe_BMbs) Proceeds through a <i>trans</i>-Iron-Nitrosyl Dimer. Journal of the American Chemical Society, 2014, 136, 2420-2431.	6.6	48
44	Replacement of the Distal Glycine 139 Transforms Human Heme Oxygenase-1 into a Peroxidase. Journal of Biological Chemistry, 2000, 275, 34501-34507.	1.6	47
45	Dioxygen Reactivity of Copper and Hemeâ^'Copper Complexes Possessing an Imidazoleâ^'Phenol Cross-Link. Inorganic Chemistry, 2005, 44, 1238-1247.	1.9	47
46	Purification and Characterization of the MQH2:NO Oxidoreductase from the Hyperthermophilic Archaeon Pyrobaculum aerophilum. Journal of Biological Chemistry, 2003, 278, 35861-35868.	1.6	46
47	A Low-Spin Alkylperoxoâ^'Iron(III) Complex with Weak Feâ^'O and Oâ^'O Bonds:Â Implications for the Mechanism of Superoxide Reductase. Journal of the American Chemical Society, 2006, 128, 14222-14223.	6.6	46
48	Proximal Ligand Electron Donation and Reactivity of the Cytochrome P450 Ferricâ€“Peroxo Anion. Journal of the American Chemical Society, 2012, 134, 6673-6684.	6.6	45
49	Synthesis and Spectroscopy of Î¼-Oxo (O2-)-Bridged Heme/Non-heme Diiron Complexes:â€‰ Models for the Active Site of Nitric Oxide Reductase. Inorganic Chemistry, 2004, 43, 651-662.	1.9	43
50	Comparison of the UV Resonance Raman Spectra of Bacteria, Bacterial Cell Walls, and Ribosomes Excited in the Deep UV. Applied Spectroscopy, 1993, 47, 38-43.	1.2	41
51	The Hemophore HasA from <i>Yersinia pestis</i> (HasA_{yp}) Coordinates Hemin with a Single Residue, Tyr75, and with Minimal Conformational Change. Biochemistry, 2013, 52, 2705-2707.	1.2	41
52	Heme redox potentials hold the key to reactivity differences between nitric oxide reductase and heme-copper oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6195-6200.	3.3	41
53	A Six-Coordinate Peroxynitrite Low-Spin Iron(III) Porphyrinate Complexâ€"The Product of the Reaction of Nitrogen Monoxide (Â·NO_(g)) with a Ferric-Superoxide Species. Journal of the American Chemical Society, 2017, 139, 17421-17430.	6.6	40
54	A Nonheme, High-Spin {FeNO}8 Complex that Spontaneously Generates N2O. Journal of the American Chemical Society, 2017, 139, 10621-10624.	6.6	40

#	Article	IF	Citations
55	Tridentate Copper Ligand Influences on Hemeâˆ’Peroxoâˆ’Copper Formation and Properties:Â Reduced, Superoxo, and Î¼-Peroxo Iron/Copper Complexes. Inorganic Chemistry, 2005, 44, 7014-7029.	1.9	38
56	Biochemical and Structural Characterization of Pseudomonas aeruginosa Bfd and FPR:â€‰ Ferredoxin NADP+ Reductase and Not Ferredoxin Is the Redox Partner of Heme Oxygenase under Iron-Starvation Conditions,. Biochemistry, 2007, 46, 12198-12211.	1.2	38
57	Reactivity Studies on FeIIIâˆ’(O22-)âˆ’CuIICompounds:Â Influence of the Ligand Architecture and Copper Ligand Denticity. Inorganic Chemistry, 2007, 46, 6382-6394.	1.9	38
58	Ion-binding properties of a K ⁺ channel selectivity filter in different conformations. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15096-15100.	3.3	38
59	A Nonheme Thiolate-Ligated Cobalt Superoxo Complex: Synthesis and Spectroscopic Characterization, Computational Studies, and Hydrogen Atom Abstraction Reactivity. Journal of the American Chemical Society, 2019, 141, 3641-3653.	6.6	38
60	Structure of the primary electron donor in photosystem I: a resonance Raman study. Biochemistry, 1990, 29, 4740-4746.	1.2	37
61	Identification of the Proximal Ligand His-20 in Heme Oxygenase (Hmu O) from Corynebacterium diphtheriae. Journal of Biological Chemistry, 2000, 275, 11686-11692.	1.6	37
62	Accessibility of the Distal Heme Face, Rather than Feâˆ’His Bond Strength, Determines the Heme-Nitrosyl Coordination Number of Cytochromescâ€˜:Â Evidence from Spectroscopic Studiesâ€. Biochemistry, 2005, 44, 8664-8672.	1.2	37
63	Opposite Movement of the External Gate of a Glutamate Transporter Homolog upon Binding Cotransported Sodium Compared with Substrate. Journal of Neuroscience, 2011, 31, 6255-6262.	1.7	37
64	Light-Induced N₂O Production from a Non-heme Ironâ€“Nitrosyl Dimer. Journal of the American Chemical Society, 2014, 136, 12524-12527.	6.6	37
65	Site-Directed Mutation of the Highly Conserved Region near the Q-Loop of the Cytochrome bd Quinol Oxidase from Escherichia coli Specifically Perturbs Heme b595. Biochemistry, 2001, 40, 8548-8556.	1.2	36
66	Heme/Cu/O2Reactivity:Â Change in FeIIIâˆ’(O22-)âˆ’CuIIUnit Peroxo Binding Geometry Effected by Tridentate Copper Chelation. Journal of the American Chemical Society, 2004, 126, 12716-12717.	6.6	36
67	Manganese and Cobalt in the Nonheme-Metal-Binding Site of a Biosynthetic Model of Heme-Copper Oxidase Superfamily Confer Oxidase Activity through Redox-Inactive Mechanism. Journal of the American Chemical Society, 2017, 139, 12209-12218.	6.6	36
68	Activation of Dioxygen by a Mononuclear Nonheme Iron Complex: Sequential Peroxo, Oxo, and Hydroxo Intermediates. Journal of the American Chemical Society, 2019, 141, 17533-17547.	6.6	36
69	Interdomain Interactions within the Two-Component Heme-Based Sensor DevS from <i>Mycobacterium tuberculosis</i>. Biochemistry, 2007, 46, 9728-9736.	1.2	35
70	Nitric oxideâ€sensitive and â€insensitive interaction of <i>Bacillus subtilis</i> NsrR with a ResDEâ€controlled promoter. Molecular Microbiology, 2010, 78, 1280-1293.	1.2	35
71	Spectroscopic Characterization of Mononitrosyl Complexes in Hemeâ€“Nonheme Diiron Centers within the Myoglobin Scaffold (Fe_BMbs): Relevance to Denitrifying NO Reductase. Biochemistry, 2011, 50, 5939-5947.	1.2	35
72	Oxygen Activation by Axial Ligand Mutants of Mitochondrial Cytochrome b5:â€‰ Oxidation of Heme to Verdoheme and Biliverdin. Journal of the American Chemical Society, 2000, 122, 7618-7619.	6.6	34

#	Article	IF	Citations
73	Photoaccumulation in Photosystem I Does Produce a Phylloquinone (A1â€¢-) Radicalâ€. Biochemistry, 1996, 35, 6644-6650.	1.2	33
74	Two CO Molecules Can Bind Concomitantly at the Diiron Site of NO Reductase fromBacillusazotoformans. Journal of the American Chemical Society, 2004, 126, 15332-15333.	6.6	33
75	A Distal Tyrosine Residue Is Required for Ligand Discrimination in DevS from <i>Mycobacterium tuberculosis</i>. Biochemistry, 2008, 47, 12532-12539.	1.2	33
76	Accommodation of Two Diatomic Molecules in Cytochrome bo3: Insights into NO Reductase Activity in Terminal Oxidases. Biochemistry, 2009, 48, 883-890.	1.2	32
77	Catalyzing NO to N ₂ O in the Nitrogen Cycle. Science, 2010, 330, 1632-1633.	6.0	32
78	Characterization of NO adducts of the diiron center in protein R2 of Escherichia coli ribonucleotide reductase and site-directed variants; implications for the O2 activation mechanism*. Journal of Biological Inorganic Chemistry, 2004, 9, 818-827.	1.1	31
79	Fourier Transform Infrared Characterization of a CuBâˆ'Nitrosyl Complex in Cytochrome ba3 from Thermus thermophilus:â€‰ Relevance to NO Reductase Activity in Hemeâˆ'Copper Terminal Oxidases. Journal of the American Chemical Society, 2007, 129, 14952-14958.	6.6	31
80	Arginine 177 Is Involved in Mn(II) Binding by Manganese Peroxidaseâ€. Biochemistry, 1999, 38, 11482-11489.	1.2	30
81	Thioether-ligated iron(ii) and iron(iii)-hydroperoxo/alkylperoxo complexes with an H-bond donor in the second coordination sphere. Dalton Transactions, 2014, 43, 7522.	1.6	30
82	Further Insights into the Spectroscopic Properties, Electronic Structure, and Kinetics of Formation of the Hemeâˆ'Peroxoâˆ'Copper Complex [(F8TPP)FeIIIâˆ'(O22-)âˆ'CuII(TMPA)]+. Inorganic Chemistry, 2007, 46, 3889-3902.	1.9	27
83	Calculated and Experimental Spin State of Seleno Cytochrome P450. Angewandte Chemie - International Edition, 2009, 48, 7193-7195.	7.2	27
84	Measurement of the Heme Affinity for Yeast Dap1p, and Its Importance in Cellular Function. Biochemistry, 2007, 46, 14629-14637.	1.2	26
85	Heme-copper/dioxygen adduct formation relevant to cytochrome c oxidase: spectroscopic characterization of [(6L)FeII-(O22?)-CuII]+. Journal of Biological Inorganic Chemistry, 2005, 10, 63-77.	1.1	25
86	Replacing the Axial Ligand Tyrosine 75 or Its Hydrogen Bond Partner Histidine 83 Minimally Affects Hemin Acquisition by the Hemophore HasAp from <i>Pseudomonas aeruginosa</i>. Biochemistry, 2014, 53, 2112-2125.	1.2	25
87	Photoinitiated Reactivity of a Thiolate-Ligated, Spin-Crossover Nonheme {FeNO}⁷ Complex with Dioxygen. Journal of the American Chemical Society, 2016, 138, 3107-3117.	6.6	25
88	Electrostatic Environment of the Tryptophylquinone Cofactor in Methylamine Dehydrogenase:Â Evidence from Resonance Raman Spectroscopy of Model Compoundsâ€. Biochemistry, 1996, 35, 4713-4720.	1.2	24
89	Dioxygen and nitric oxide reactivity of a reduced heme/non-heme diiron(II) complex [(5L)FeIIâ‹¯FeIIî—‚Cl]+. Using a tethered tetraarylporphyrin for the development of an active site reactivity model for bacterial nitric oxide reductase. Inorganica Chimica Acta, 2000, 297, 362-372.	1.2	23
90	Nitric Oxide Dioxygenation Reaction in DevS and the Initial Response to Nitric Oxide in <i>Mycobacterium tuberculosis</i>. Biochemistry, 2011, 50, 1023-1028.	1.2	22

#	Article	IF	Citations
91	Versatile Reactivity of a Solvent-Coordinated Diiron(II) Compound: Synthesis and Dioxygen Reactivity of a Mixed-Valent Fe^{II}Fe^{III} Species. Inorganic Chemistry, 2014, 53, 167-181.	1.9	21
92	Formation of a Bis(histidyl) Heme Iron Complex in Manganese Peroxidase at High pH and Restoration of the Native Enzyme Structure by Calcium. Biochemistry, 2000, 39, 9994-10000.	1.2	20
93	Modeling the Syn Disposition of Nitrogen Donors in Non-Heme Diiron Enzymes. Synthesis, Characterization, and Hydrogen Peroxide Reactivity of Diiron(III) Complexes with the Syn <i>N</i>-Donor Ligand H₂BPG₂DEV. Journal of the American Chemical Society, 2009, 131, 14508-14520.	6.6	20
94	2-Chloro-1,4-dimethoxybenzene Cation Radical: Formation and Role in the Lignin Peroxidase Oxidation of Anisyl Alcohol. Archives of Biochemistry and Biophysics, 1998, 360, 233-238.	1.4	19
95	Biophysical and Structural Analysis of a Novel Heme b Iron Ligation in the Flavocytochrome Cellobiose Dehydrogenase. Journal of Biological Chemistry, 2003, 278, 33224-33231.	1.6	19
96	Heme Oxidation in a Chimeric Protein of the Î±-SelectiveNeisseriae meningitidisHeme Oxygenase with the Distal Helix of the Î´-SelectivePseudomonas aeruginosaâ€. Biochemistry, 2005, 44, 13713-13723.	1.2	19
97	Direct Resonance Raman Characterization of a Peroxynitrito Copper Complex Generated from O₂ and NO and Mechanistic Insights into Metalâ€Mediated Peroxynitrite Decomposition. Angewandte Chemie - International Edition, 2019, 58, 10936-10940.	7.2	19
98	Evidence for a methylammonium-binding site on methylamine dehydrogenase of Thiobacillus versutus. Biochemistry, 1995, 34, 12926-12931.	1.2	18
99	Ligand-induced allostery in the interaction of the <i>Pseudomonas aeruginosa</i> heme binding protein with heme oxygenase. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3421-3426.	3.3	18
100	Distal Hydrogen-bonding Interactions in Ligand Sensing and Signaling by Mycobacterium tuberculosis DosS. Journal of Biological Chemistry, 2016, 291, 16100-16111.	1.6	17
101	Effect of Outer-Sphere Side Chain Substitutions on the Fate of the <i>trans</i> Ironâ€“Nitrosyl Dimer in Heme/Nonheme Engineered Myoglobins (Fe_BMbs): Insights into the Mechanism of Denitrifying NO Reductases. Biochemistry, 2016, 55, 2091-2099.	1.2	16
102	Stabilization of the Dinitrogen Analogue, Phosphorus Nitride. ACS Central Science, 2020, 6, 1572-1577.	5.3	16
103	Distinguishing Nitro vs Nitrito Coordination in Cytochrome <i>c</i>â€² Using Vibrational Spectroscopy and Density Functional Theory. Inorganic Chemistry, 2017, 56, 13205-13213.	1.9	15
104	Nitric Oxide Reductase Activity in Hemeâ€“Nonheme Binuclear Engineered Myoglobins through a One-Electron Reduction Cycle. Journal of the American Chemical Society, 2018, 140, 17389-17393.	6.6	15
105	Resonance Raman Studies of the Stoichiometric Catalytic Turnover of a Substrateâˆ'Stearoyl-Acyl Carrier Protein Î”9Desaturase Complexâ€. Biochemistry, 2000, 39, 10507-10513.	1.2	14
106	Resonance Raman characterization of a high-spin six-coordinate iron(III) intermediate in metmyoglobin-azido complex formation trapped by microsecond freeze-hyperquenching (MHQ). Journal of Raman Spectroscopy, 2005, 36, 359-362.	1.2	14
107	A Nonheme Sulfurâ€Ligated {FeNO} 6 Complex and Comparison with Redoxâ€Interconvertible {FeNO} 7 and {FeNO} 8 Analogues. Angewandte Chemie - International Edition, 2018, 57, 13465-13469.	7.2	14
108	Replacing Arginine 33 for Alanine in the Hemophore HasA from <i>Pseudomonas aeruginosa</i> Causes Closure of the H32 Loop in the Apo-Protein. Biochemistry, 2016, 55, 2622-2631.	1.2	12

#	Article	IF	Citations
109	A Reactive, Photogenerated High-Spin (<i>S</i>= 2) Fe^{IV}(O) Complex via O₂Activation. Journal of the American Chemical Society, 2021, 143, 21637-21647.	6.6	12
110	Is There a Proteic Substructure Common to all Photosynthetic Reaction Centers ?. , 1990, , 65-68.		11
111	Mononuclear, Nonheme, High-Spin {FeNO}7/8 Complexes Supported by a Sterically Encumbered N4S-Thioether Ligand. Inorganic Chemistry, 2019, 58, 9576-9580.	1.9	10
112	Artificial Metalloproteins with Dinuclear Ironâ€“Hydroxido Centers. Journal of the American Chemical Society, 2021, 143, 2384-2393.	6.6	10
113	A Nonheme Mononuclear {FeNO} 7 Complex that Produces N 2 O in the Absence of an Exogenous Reductant. Angewandte Chemie - International Edition, 2021, 60, 21558-21564.	7.2	10
114	Fourier Transform Infrared Characterization of the Azido Complex of Methane Monooxygenase Hydroxylase fromMethylococcus capsulatus(Bath). Journal of the American Chemical Society, 2005, 127, 4148-4149.	6.6	9
115	Reduction of the Ferrous Î±-Verdohemeâˆ’Cytochromeb5Complex. Inorganic Chemistry, 2004, 43, 8470-8478.	1.9	8
116	Characterizing Millisecond Intermediates in Hemoproteins Using Rapid-Freeze-Quench Resonance Raman Spectroscopy. Methods in Molecular Biology, 2014, 1122, 107-123.	0.4	8
117	Structure of the Primary Reactants in Photosystem II : Resonance Raman Studies of D1D2 Particles. , 1990, , 423-426.		8
118	Cloning and expression of a heme binding protein from the genome of Saccharomyces cerevisiae. Protein Expression and Purification, 2003, 28, 340-349.	0.6	7
119	Ultraviolet resonance Raman evidence for a change of hydrophobicity of the retinal pocket in the M state of bacteriorhodopsin. Journal of the American Chemical Society, 1992, 114, 5893-5894.	6.6	6
120	Structure and coordination of CuB in the Acidianus ambivalens aa 3 quinol oxidase hemeâ€“copper center. Journal of Biological Inorganic Chemistry, 2005, 10, 625-635.	1.1	6
121	The Asp99â€“Arg188 salt bridge of the Pseudomonas aeruginosa HemO is critical in allowing conformational flexibility during catalysis. Journal of Biological Inorganic Chemistry, 2018, 23, 1057-1070.	1.1	6
122	A Nonheme Sulfurâ€Ligated {FeNO} 6 Complex and Comparison with Redoxâ€Interconvertible {FeNO} 7 and {FeNO} 8 Analogues. Angewandte Chemie, 2018, 130, 13653-13657.	1.6	5
123	Sulfide Oxidation by 2,6-Bis[hydroxyl(methyl)amino]-4-morpholino-1,3,5-triazinatodioxomolybdenum(VI): Mechanistic Implications with DFT Calculations for a New Class of Molybdenum(VI) Complex. Inorganic Chemistry, 2021, 60, 7762-7772.	1.9	5
124	Axial Heme Coordination by the Tyr-His Motif in the Extracellular Hemophore HasAp Is Critical for the Release of Heme to the HasR Receptor of Pseudomonas aeruginosa. Biochemistry, 2021, 60, 2549-2559.	1.2	5
125	An Iron(III) Superoxide Corrole from Iron(II) and Dioxygen. Angewandte Chemie - International Edition, 2022, 61, e202111492.	7.2	5
126	Structural and Spectroscopic Characterization of a Product Schiff Base Intermediate in the Reaction of the Quinoprotein Glycine Oxidase, GoxA. Biochemistry, 2019, 58, 706-713.	1.2	4

#	Article	IF	Citations
127	An Iron(III) Superoxide Corrole from Iron(II) and Dioxygen. Angewandte Chemie, 0, , .	1.6	3
128	Stepwise nitrosylation of the nonheme iron site in an engineered azurin and a molecular basis for nitric oxide signaling mediated by nonheme iron proteins. Chemical Science, 2021, 12, 6569-6579.	3.7	2
129	Structures of Gating Intermediates in a K+ channel. Journal of Molecular Biology, 2021, 433, 167296.	2.0	2
130	Distinct roles of the Na ⁺ binding sites in the allosteric coupling mechanism of the glutamate transporter homolog, Glt _{Ph}. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2121653119.	3.3	2
131	Direct Resonance Raman Characterization of a Peroxynitrito Copper Complex Generated from O 2 and NO and Mechanistic Insights into Metalâ€Mediated Peroxynitrite Decomposition. Angewandte Chemie, 2019, 131, 11052-11056.	1.6	1
132	Structure of the Primary Electron Donor in Photosystem I: Difference Resonance Raman Spectrocopy of CP1 Particles. , 1989, , 263-266.		1
133	Mechanism of substrate inhibition in cytochrome-c dependent NO reductases from denitrifying bacteria (cNORs). Journal of Inorganic Biochemistry, 2022, 231, 111781.	1.5	1
134	Resonance Raman studies of photosynthetic membrane proteins. , 1991, , .		0
135	Detecting Conformational Changes In The Bacterial Glutamate Transporter Homolog GltPh Using EPR Spectroscopy. Biophysical Journal, 2009, 96, 149a.	0.2	0
136	Opposite Movements of the External Gate in Glutamate Transporters upon Binding Different Cotransported Ligands Measured by EPR. Biophysical Journal, 2010, 98, 628a.	0.2	0
137	A Nonheme Mononuclear {FeNO} 7 Complex that Produces N 2 O in the Absence of an Exogenous Reductant. Angewandte Chemie, 2021, 133, 21728-21734.	1.6	0
138	Mechanisms of Nitric Oxide Sensing and Detoxification by Bacterial Hemoproteins. 2-Oxoglutarate-Dependent Oxygenases, 2018, , 351-369.	0.8	0