Pierre Moenne-Loccoz

List of Publications by Year in Descending Order

136 papers	5,224 citations	43 h-index	65 g-index
146 ext. papers	5,650 ext. citations	8.9 avg, IF	5.27 L-index

#	Paper	IF	Citations
136	Mechanism of substrate inhibition in cytochrome-c dependent NO reductases from denitrifying bacteria (cNORs).. *Journal of Inorganic Biochemistry*, **2022**, 231, 111781	4.2	1
135	Distinct roles of the Na binding sites in the allosteric coupling mechanism of the glutamate transporter homolog, Glt.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2121653119	11.5	
134	An Iron(III) Superoxide Corrole from Iron(II) and Dioxygen. *Angewandte Chemie - International Edition*, **2021**, 61, e202111492	16.4	0
133	Structures of Gating Intermediates in a K channel. *Journal of Molecular Biology*, **2021**, 433, 167296	6.5	1
132	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	5.1	1
131	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. *Biochemistry*, **2021**, 60, 2549-2559	3.2	1
130	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	9.4	1
129	Artificial Metalloproteins with Dinuclear Iron-Hydroxido Centers. *Journal of the American Chemical Society*, **2021**, 143, 2384-2393	16.4	3
128	A Nonheme Mononuclear {FeNO}7 Complex that Produces N2O in the Absence of an Exogenous Reductant. *Angewandte Chemie*, **2021**, 133, 21728-21734	3.6	
127	A Nonheme Mononuclear {FeNO} Complex that Produces N O in the Absence of an Exogenous Reductant. *Angewandte Chemie - International Edition*, **2021**, 60, 21558-21564	16.4	5
126	A Reactive, Photogenerated High-Spin (= 2) Fe(O) Complex via O Activation.. *Journal of the American Chemical Society*, **2021**, 143, 21637-21647	16.4	0
125	Stabilization of the Dinitrogen Analogue, Phosphorus Nitride. *ACS Central Science*, **2020**, 6, 1572-1577	16.8	4
124	Direct Resonance Raman Characterization of a Peroxynitrito Copper Complex Generated from O and NO and Mechanistic Insights into Metal-Mediated Peroxynitrite Decomposition. *Angewandte Chemie - International Edition*, **2019**, 58, 10936-10940	16.4	9
123	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	16.4	31
122	Direct Resonance Raman Characterization of a Peroxynitrito Copper Complex Generated from O2 and NO and Mechanistic Insights into Metal-Mediated Peroxynitrite Decomposition. *Angewandte Chemie*, **2019**, 131, 11052-11056	3.6	0
121	Mononuclear, Nonheme, High-Spin {FeNO} Complexes Supported by a Sterically Encumbered NS-Thioether Ligand. *Inorganic Chemistry*, **2019**, 58, 9576-9580	5.1	6
120	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	16.4	28

119	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	16.4	21
118	Structural and Spectroscopic Characterization of a Product Schiff Base Intermediate in the Reaction of the Quinoprotein Glycine Oxidase, GoxA. *Biochemistry*, **2019**, 58, 706-713	3.2	4
117	A Nonheme Sulfur-Ligated {FeNO} Complex and Comparison with Redox-Interconvertible {FeNO} and {FeNO} Analogues. *Angewandte Chemie - International Edition*, **2018**, 57, 13465-13469	16.4	10
116	A Nonheme Sulfur-Ligated {FeNO}6 Complex and Comparison with Redox-Interconvertible {FeNO}7 and {FeNO}8 Analogues. *Angewandte Chemie*, **2018**, 130, 13653-13657	3.6	3
115	CHAPTER 16:Mechanisms of Nitric Oxide Sensing and Detoxification by Bacterial Hemoproteins. *2-Oxoglutarate-Dependent Oxygenases*, **2018**, 351-369	1.8	
114	Nitric Oxide Reductase Activity in Heme-Nonheme Binuclear Engineered Myoglobins through a One-Electron Reduction Cycle. *Journal of the American Chemical Society*, **2018**, 140, 17389-17393	16.4	13
113	The Asp99-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	3.7	5
112	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	11.5	30
111	Ligand-induced allostery in the interaction of the heme binding protein with heme oxygenase. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 3421-3426	11.5	14
110	A Six-Coordinate Peroxynitrite Low-Spin Iron(III) Porphyrinate Complex-The Product of the Reaction of Nitrogen Monoxide (•NO) with a Ferric-Superoxide Species. *Journal of the American Chemical Society*, **2017**, 139, 17421-17430	16.4	34
109	Distinguishing Nitro vs Nitrito Coordination in Cytochrome cQUsing Vibrational Spectroscopy and Density Functional Theory. *Inorganic Chemistry*, **2017**, 56, 13205-13213	5.1	6
108	Direct Observation of Oxygen Rebound with an Iron-Hydroxide Complex. *Journal of the American Chemical Society*, **2017**, 139, 13640-13643	16.4	62
107	A Nonheme, High-Spin {FeNO} Complex that Spontaneously Generates NO. *Journal of the American Chemical Society*, **2017**, 139, 10621-10624	16.4	33
106	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	16.4	32
105	Why copper is preferred over iron for oxygen activation and reduction in haem-copper oxidases. *Nature Chemistry*, **2017**, 9, 257-263	17.6	96
104	Distal Hydrogen-bonding Interactions in Ligand Sensing and Signaling by Mycobacterium tuberculosis DosS. *Journal of Biological Chemistry*, **2016**, 291, 16100-11	5.4	12
103	Photoinitiated Reactivity of a Thiolate-Ligated, Spin-Crossover Nonheme {FeNO}(7) Complex with Dioxygen. *Journal of the American Chemical Society*, **2016**, 138, 3107-17	16.4	24
102	Effect of Outer-Sphere Side Chain Substitutions on the Fate of the trans Iron-Nitrosyl Dimer in Heme/Nonheme Engineered Myoglobins (Fe(B)Mbs): Insights into the Mechanism of Denitrifying NO Reductases. *Biochemistry*, **2016**, 55, 2091-9	3.2	15

101	Replacing Arginine 33 for Alanine in the Hemophore HasA from Pseudomonas aeruginosa Causes Closure of the H32 Loop in the Apo-Protein. *Biochemistry*, **2016**, 55, 2622-31	3.2	12
100	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, 15096-100	11.5	32
99	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, 167-81	5.1	18
98	The production of nitrous oxide by the heme/nonheme diiron center of engineered myoglobins (Fe(B)Mbs) proceeds through a trans-iron-nitrosyl dimer. *Journal of the American Chemical Society*, **2014**, 136, 2420-31	16.4	43
97	Light-induced N□O production from a non-heme iron-nitrosyl dimer. *Journal of the American Chemical Society*, **2014**, 136, 12524-7	16.4	34
96	Replacing the axial ligand tyrosine 75 or its hydrogen bond partner histidine 83 minimally affects hemin acquisition by the hemophore HasAp from Pseudomonas aeruginosa. *Biochemistry*, **2014**, 53, 2112-25	3.2	21
95	Thioether-ligated iron(II) and iron(III)-hydroperoxo/alkylperoxo complexes with an H-bond donor in the second coordination sphere. *Dalton Transactions*, **2014**, 43, 7522-32	4.3	24
94	Characterizing millisecond intermediates in hemoproteins using rapid-freeze-quench resonance Raman spectroscopy. *Methods in Molecular Biology*, **2014**, 1122, 107-23	1.4	7
93	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, 10590-3	16.4	85
92	The hemophore HasA from Yersinia pestis (HasAyp) coordinates hemin with a single residue, Tyr75, and with minimal conformational change. *Biochemistry*, **2013**, 52, 2705-7	3.2	37
91	Proximal ligand electron donation and reactivity of the cytochrome P450 ferric-peroxo anion. *Journal of the American Chemical Society*, **2012**, 134, 6673-84	16.4	38
90	Vibrational analysis of mononitrosyl complexes in hemerythrin and flavodiiron proteins: relevance to detoxifying NO reductase. *Journal of the American Chemical Society*, **2012**, 134, 6878-84	16.4	46
89	Spectroscopic characterization of mononitrosyl complexes in heme--nonheme diiron centers within the myoglobin scaffold (Fe(B)Mbs): relevance to denitrifying NO reductase. *Biochemistry*, **2011**, 50, 5939-47	3.2	31
88	Phenol nitration induced by an {Fe(NO)2}(10) dinitrosyl iron complex. *Journal of the American Chemical Society*, **2011**, 133, 1184-7	16.4	53
87	Nitric oxide dioxygenation reaction in DevS and the initial response to nitric oxide in Mycobacterium tuberculosis. *Biochemistry*, **2011**, 50, 1023-8	3.2	21
86	Opposite movement of the external gate of a glutamate transporter homolog upon binding cotransported sodium compared with substrate. *Journal of Neuroscience*, **2011**, 31, 6255-62	6.6	34
85	Nitric oxide-sensitive and -insensitive interaction of Bacillus subtilis NsrR with a ResDE-controlled promoter. *Molecular Microbiology*, **2010**, 78, 1280-93	4.1	32
84	Kinetic and spectroscopic studies of hemin acquisition in the hemophore HasAp from Pseudomonas aeruginosa. *Biochemistry*, **2010**, 49, 6646-54	3.2	51

83	Structural, NMR spectroscopic, and computational investigation of hemin loading in the hemophore HasAp from Pseudomonas aeruginosa. *Journal of the American Chemical Society*, **2010**, 132, 9857-72	16.4	58
82	Biochemistry. Catalyzing NO to N2O in the nitrogen cycle. *Science*, **2010**, 330, 1632-3	33.3	23
81	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, 1273-5	16.4	43
80	Insights into the nitric oxide reductase mechanism of flavodiiron proteins from a flavin-free enzyme. *Biochemistry*, **2010**, 49, 7040-9	3.2	65
79	Influence of the nitrogen donors on nonheme iron models of superoxide reductase: high-spin Fe(III)-OOR complexes. *Journal of the American Chemical Society*, **2010**, 132, 157-67	16.4	47
78	Calculated and Experimental Spin State of Seleno Cytochrome P450. *Angewandte Chemie*, **2009**, 121, 7329-7331	3.6	10
77	Calculated and experimental spin state of seleno cytochrome P450. *Angewandte Chemie - International Edition*, **2009**, 48, 7193-5	16.4	26
76	The millisecond intermediate in the reaction of nitric oxide with oxymyoglobin is an iron(III)--nitrato complex, not a peroxynitrite. *Journal of the American Chemical Society*, **2009**, 131, 7234-5	16.4	53
75	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 N-donor ligand H2BPG2DEV. *Journal of the American Chemical Society*, **2009**, 131, 14508-20	16.4	17
74	Accommodation of two diatomic molecules in cytochrome bo: insights into NO reductase activity in terminal oxidases. *Biochemistry*, **2009**, 48, 883-90	3.2	29
73	Structural characterization of the hemophore HasAp from Pseudomonas aeruginosa: NMR spectroscopy reveals protein-protein interactions between Holo-HasAp and hemoglobin. *Biochemistry*, **2009**, 48, 96-109	3.2	55
72	A distal tyrosine residue is required for ligand discrimination in DevS from Mycobacterium tuberculosis. *Biochemistry*, **2008**, 47, 12532-9	3.2	29
71	Transcription Factor NsrR from Bacillus subtilis Senses Nitric Oxide with a 4Fe-4S Cluster (). *Biochemistry*, **2008**, 47, 13084-92	3.2	86
70	Rational tuning of the thiolate donor in model complexes of superoxide reductase: direct evidence for a trans influence in Fe(III)-OOR complexes. *Journal of the American Chemical Society*, **2008**, 130, 14189-200	16.4	55
69	Spectroscopic characterization of heme iron-nitrosyl species and their role in NO reductase mechanisms in diiron proteins. *Natural Product Reports*, **2007**, 24, 610-20	15.1	94
68	Measurement of the heme affinity for yeast dap1p, and its importance in cellular function. *Biochemistry*, **2007**, 46, 14629-37	3.2	23
67	Interdomain interactions within the two-component heme-based sensor DevS from Mycobacterium tuberculosis. *Biochemistry*, **2007**, 46, 9728-36	3.2	32
66	DevS, a heme-containing two-component oxygen sensor of Mycobacterium tuberculosis. *Biochemistry*, **2007**, 46, 4250-60	3.2	73

65	Biochemical and structural characterization of Pseudomonas aeruginosa Bfd and FPR: ferredoxin NADP+ reductase and not ferredoxin is the redox partner of heme oxygenase under iron-starvation conditions. *Biochemistry*, **2007**, 46, 12198-211	3.2	35
64	Reactivity studies on Fe(III)-(O2(2-))-Cu(II) compounds: influence of the ligand architecture and copper ligand denticity. *Inorganic Chemistry*, **2007**, 46, 6382-94	5.1	37
63	Further insights into the spectroscopic properties, electronic structure, and kinetics of formation of the heme-peroxo-copper complex [(F8TPP)FeIII-(O2(2-)-CuII(TMPA)]+. *Inorganic Chemistry*, **2007**, 46, 3889-902	5.1	23
62	Fourier transform infrared characterization of a CuB-nitrosyl complex in cytochrome ba3 from Thermus thermophilus: relevance to NO reductase activity in heme-copper terminal oxidases. *Journal of the American Chemical Society*, **2007**, 129, 14952-8	16.4	29
61	Fungal heme oxygenases: Functional expression and characterization of Hmx1 from Saccharomyces cerevisiae and CaHmx1 from Candida albicans. *Biochemistry*, **2006**, 45, 14772-80	3.2	44
60	A low-spin alkylperoxo-iron(III) complex with weak Fe-O and O-O bonds: implications for the mechanism of superoxide reductase. *Journal of the American Chemical Society*, **2006**, 128, 14222-3	16.4	40
59	Fourier transform infrared characterization of the azido complex of methane monooxygenase hydroxylase from Methylococcus capsulatus (Bath). *Journal of the American Chemical Society*, **2005**, 127, 4148-9	16.4	9
58	Tridentate copper ligand influences on heme-peroxo-copper formation and properties: reduced, superoxo, and mu-peroxo iron/copper complexes. *Inorganic Chemistry*, **2005**, 44, 7014-29	5.1	35
57	Accessibility of the distal heme face, rather than Fe-His bond strength, determines the heme-nitrosyl coordination number of cytochromes cQevidence from spectroscopic studies. *Biochemistry*, **2005**, 44, 8664-72	3.2	36
56	Heme oxidation in a chimeric protein of the alpha-selective Neisseriae meningitidis heme oxygenase with the distal helix of the delta-selective Pseudomonas aeruginosa. *Biochemistry*, **2005**, 44, 13713-23	3.2	18
55	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, 3310-20	16.4	70
54	Dioxygen reactivity of copper and heme-copper complexes possessing an imidazole-phenol cross-link. *Inorganic Chemistry*, **2005**, 44, 1238-47	5.1	42
53	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	2.3	12
52	Heme-copper/dioxygen adduct formation relevant to cytochrome c oxidase: spectroscopic characterization of [(6L)FeIII-(O2(2-))-CuII]+. *Journal of Biological Inorganic Chemistry*, **2005**, 10, 63-77	3.7	25
51	Structure and coordination of CuB in the Acidianus ambivalens aa3 quinol oxidase heme-copper center. *Journal of Biological Inorganic Chemistry*, **2005**, 10, 625-35	3.7	4
50	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, 818-27	3.7	31
49	Reduction of the ferrous alpha-verdoheme-cytochrome b5 complex. *Inorganic Chemistry*, **2004**, 43, 8470-8	5.1	8
48	Synthesis and spectroscopy of micro-oxo (O(2)(-))-bridged heme/non-heme diiron complexes: models for the active site of nitric oxide reductase. *Inorganic Chemistry*, **2004**, 43, 651-62	5.1	40

47	Two CO molecules can bind concomitantly at the diiron site of NO reductase from Bacillus azotoformans. *Journal of the American Chemical Society*, **2004**, 126, 15332-3	16.4	31
46	Heme/Cu/O2 reactivity: change in FeIII-(O2 2-)-CuII unit peroxo binding geometry effected by tridentate copper chelation. *Journal of the American Chemical Society*, **2004**, 126, 12716-7	16.4	34
45	Interaction of nitric oxide with human heme oxygenase-1. *Journal of Biological Chemistry*, **2003**, 278, 2341-7	5.4	52
44	Biophysical and structural analysis of a novel heme B iron ligation in the flavocytochrome cellobiose dehydrogenase. *Journal of Biological Chemistry*, **2003**, 278, 33224-31	5.4	16
43	Coupled oxidation vs heme oxygenation: insights from axial ligand mutants of mitochondrial cytochrome b5. *Journal of the American Chemical Society*, **2003**, 125, 4103-10	16.4	56
42	Cloning and expression of a heme binding protein from the genome of Saccharomyces cerevisiae. *Protein Expression and Purification*, **2003**, 28, 340-9	2	6
41	Superoxo, mu-peroxo, and mu-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, 3623-8	11.5	81
40	Purification and characterization of the MQH2:NO oxidoreductase from the hyperthermophilic archaeon Pyrobaculum aerophilum. *Journal of Biological Chemistry*, **2003**, 278, 35861-8	5.4	43
39	Oxidation of heme to beta- and delta-biliverdin by Pseudomonas aeruginosa heme oxygenase as a consequence of an unusual seating of the heme. *Journal of the American Chemical Society*, **2002**, 124, 14879-92	16.4	88
38	Nitric oxide in biological denitrification: Fe/Cu metalloenzyme and metal complex NO(x) redox chemistry. *Chemical Reviews*, **2002**, 102, 1201-34	68.1	394
37	Disruption of an active site hydrogen bond converts human heme oxygenase-1 into a peroxidase. *Journal of Biological Chemistry*, **2001**, 276, 10612-9	5.4	80
36	Dioxygen reactivity of mononuclear heme and copper components yielding a high-spin heme-peroxo-cu complex. *Journal of the American Chemical Society*, **2001**, 123, 6183-4	16.4	81
35	Rational reprogramming of the R2 subunit of Escherichia coli ribonucleotide reductase into a self-hydroxylating monooxygenase. *Journal of the American Chemical Society*, **2001**, 123, 7017-30	16.4	70
34	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, 8548-56	3.2	32
33	Replacement of the axial histidine ligand with imidazole in cytochrome c peroxidase. 2. Effects on heme coordination and function. *Biochemistry*, **2001**, 40, 1274-83	3.2	54
32	Roles of the proximal heme thiolate ligand in cytochrome p450(cam). *Journal of the American Chemical Society*, **2001**, 123, 4877-85	16.4	119
31	Dioxygen and nitric oxide reactivity of a reduced heme/non-heme diiron(II) complex [(5L)FeII?FeII?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	2.7	22
30	The active site of the thermophilic CYP119 from Sulfolobus solfataricus. *Journal of Biological Chemistry*, **2000**, 275, 14112-23	5.4	79

29	Replacement of the distal glycine 139 transforms human heme oxygenase-1 into a peroxidase. *Journal of Biological Chemistry*, **2000**, 275, 34501-7	5.4	43
28	Identification of the proximal ligand His-20 in heme oxygenase (Hmu O) from Corynebacterium diphtheriae. Oxidative cleavage of the heme macrocycle does not require the proximal histidine. *Journal of Biological Chemistry*, **2000**, 275, 11686-92	5.4	33
27	Resonance Raman studies of the stoichiometric catalytic turnover of a substrate-stearoyl-acyl carrier protein delta(9) desaturase complex. *Biochemistry*, **2000**, 39, 10507-13	3.2	14
26	Nitric Oxide Reductase from Paracoccus denitrificans Contains an Oxo-Bridged Heme/Non-Heme Diiron Center. *Journal of the American Chemical Society*, **2000**, 122, 9344-9345	16.4	89
25	Oxygen Activation by Axial Ligand Mutants of Mitochondrial Cytochrome b5: Oxidation of Heme to Verdoheme and Biliverdin. *Journal of the American Chemical Society*, **2000**, 122, 7618-7619	16.4	31
24	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	3.2	20
23	Arginine 177 is involved in Mn(II) binding by manganese peroxidase. *Biochemistry*, **1999**, 38, 11482-9	3.2	29
22	The ferroxidase reaction of ferritin reveals a diferric mu-1,2 bridging peroxide intermediate in common with other O2-activating non-heme diiron proteins. *Biochemistry*, **1999**, 38, 5290-5	3.2	142
21	Replacement of the proximal histidine iron ligand by a cysteine or tyrosine converts heme oxygenase to an oxidase. *Biochemistry*, **1999**, 38, 3733-43	3.2	98
20	Formation and Characterization of a High-Spin Heme-Copper Dioxygen (Peroxo) Complex. *Journal of the American Chemical Society*, **1999**, 121, 9885-9886	16.4	70
19	O2 activation by non-heme diiron proteins: identification of a symmetric mu-1,2-peroxide in a mutant of ribonucleotide reductase. *Biochemistry*, **1998**, 37, 14659-63	3.2	162
18	Structural Characterization of the Catalytic High-Spin Hemebof Nitric Oxide Reductase:A Resonance Raman Study *Journal of the American Chemical Society*, **1998**, 120, 5147-5152	16.4	106
17	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, 233-8	4.1	18
16	Heme oxygenase-1, intermediates in verdoheme formation and the requirement for reduction equivalents. *Journal of Biological Chemistry*, **1997**, 272, 6909-17	5.4	95
15	Endothelial nitric oxide synthase: modulations of the distal heme site produced by progressive N-terminal deletions. *Biochemistry*, **1997**, 36, 8530-8	3.2	52
14	Topaquinone-dependent amine oxidases: identification of reaction intermediates by Raman spectroscopy. *Biochemistry*, **1997**, 36, 11479-86	3.2	45
13	Photoaccumulation in photosystem I does produce a phylloquinone (A1.-) radical. *Biochemistry*, **1996**, 35, 6644-50	3.2	32
12	Electrostatic environment of the tryptophylquinone cofactor in methylamine dehydrogenase: evidence from resonance Raman spectroscopy of model compounds. *Biochemistry*, **1996**, 35, 4713-20	3.2	21

11	Characterization of the topa quinone cofactor in amine oxidase from Escherichia coli by resonance Raman spectroscopy. *Biochemistry*, **1995**, 34, 7020-6	3.2	44
10	Evidence for a methylammonium-binding site on methylamine dehydrogenase of Thiobacillus versutus. *Biochemistry*, **1995**, 34, 12926-31	3.2	16
9	Path of electron transfer in photosystem 1: direct evidence of forward electron transfer from A1 to Fe-Sx. *Biochemistry*, **1994**, 33, 10037-42	3.2	84
8	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	3.1	36
7	Structural Kinship of Photosynthetic Reaction Centers: Resonance Raman Studies of the Primary Electron Acceptors of Green and Purple Bacteria and of Photosystem II **1993**, 285-288		1
6	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	16.4	6
5	Structure of the primary electron donor in photosystem I: a resonance Raman study. *Biochemistry*, **1990**, 29, 4740-6	3.2	36
4	Is There a Proteic Substructure Common to all Photosynthetic Reaction Centers ? **1990**, 65-68		11
3	Structure of the Primary Reactants in Photosystem II : Resonance Raman Studies of D1D2 Particles **1990**, 423-426		7
2	A resonance Raman characterization of the primary electron acceptor in photosystem II. *Biochemistry*, **1989**, 28, 3641-3645	3.2	63
1	Structure of the Primary Electron Donor in Photosystem I: Difference Resonance Raman Spectrocopy of CP1 Particles **1989**, 263-266		1