

John W Peters

List of Publications by Year in descending order

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130
papers

9,700
citations

38742

50
h-index

39675

94
g-index

138
all docs

138
docs citations

138
times ranked

7235
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic Determinants of Ammonium Excretion in <i>nifL</i> Mutants of <i>Azotobacter vinelandii</i> . <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0187621.	3.1	9
2	A site-differentiated [4Fe-4S] cluster controls electron transfer reactivity of <i>Clostridium acetobutylicum</i> [FeFe]-hydrogenase I. <i>Chemical Science</i> , 2022, 13, 4581-4588.	7.4	8
3	An uncharacteristically low-potential flavin governs the energy landscape of electron bifurcation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2117882119.	7.1	5
4	A catalytic dyad modulates conformational change in the CO ₂ -fixing flavoenzyme 2-ketopropyl coenzyme M oxidoreductase/carboxylase. <i>Journal of Biological Chemistry</i> , 2022, 298, 101884.	3.4	1
5	Dissecting Electronic-Structural Transitions in the Nitrogenase MoFe Protein P-Cluster during Reduction. <i>Journal of the American Chemical Society</i> , 2022, 144, 5708-5712.	13.7	7
6	Phosphorus containing analogues of SAHA as inhibitors of HDACs. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 1315-1319.	5.2	3
7	The Kinetics of Electron Transfer from CdS Nanorods to the MoFe Protein of Nitrogenase. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8425-8435.	3.1	7
8	Revealing a role for the G subunit in mediating interactions between the nitrogenase component proteins. <i>Journal of Inorganic Biochemistry</i> , 2021, 214, 111273.	3.5	13
9	Catalytic bias in oxidation-reduction catalysis. <i>Chemical Communications</i> , 2021, 57, 713-720.	4.1	15
10	HydG, the α -iron, and catalytic production of free CO and CN [•] : implications for [FeFe]-hydrogenase maturation. <i>Dalton Transactions</i> , 2021, 50, 10405-10422.	3.3	11
11	Bioenergetics Theory and Components Flavin-Based Electron Bifurcation. , 2021, , 130-142.		0
12	Comment on "Structural evidence for a dynamic metallocofactor during N ₂ reduction by Mo-nitrogenase". <i>Science</i> , 2021, 371, .	12.6	29
13	Mechanical coupling in the nitrogenase complex. <i>PLoS Computational Biology</i> , 2021, 17, e1008719.	3.2	8
14	The unique Phe-His dyad of 2-ketopropyl coenzyme M oxidoreductase/carboxylase selectively promotes carboxylation and S-C bond cleavage. <i>Journal of Biological Chemistry</i> , 2021, 297, 100961.	3.4	1
15	Metabolic Model of the Nitrogen-Fixing Obligate Aerobe <i>Azotobacter vinelandii</i> Predicts Its Adaptation to Oxygen Concentration and Metal Availability. <i>MBio</i> , 2021, 12, e0259321.	4.1	16
16	Control of nitrogen fixation in bacteria that associate with cereals. <i>Nature Microbiology</i> , 2020, 5, 314-330.	13.3	135
17	Tuning Catalytic Bias of Hydrogen Gas Producing Hydrogenases. <i>Journal of the American Chemical Society</i> , 2020, 142, 1227-1235.	13.7	55
18	Excitation-Rate Determines Product Stoichiometry in Photochemical Ammonia Production by CdS Quantum Dot-Nitrogenase MoFe Protein Complexes. <i>ACS Catalysis</i> , 2020, 10, 11147-11152.	11.2	23

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19	Defining Intermediates of Nitrogenase MoFe Protein during N ₂ Reduction under Photochemical Electron Delivery from CdS Quantum Dots. <i>Journal of the American Chemical Society</i> , 2020, 142, 14324-14330.	13.7	32
20	A Positive Charge in the Outer Coordination Sphere of an Artificial Enzyme Increases CO ₂ Hydrogenation. <i>Organometallics</i> , 2020, 39, 1532-1544.	2.3	19
21	Insights into the unique carboxylation reactions in the metabolism of propylene and acetone. <i>Biochemical Journal</i> , 2020, 477, 2027-2038.	3.7	3
22	Electron bifurcation: progress and grand challenges. <i>Chemical Communications</i> , 2019, 55, 11823-11832.	4.1	25
23	The catalytic mechanism of electron-bifurcating electron transfer flavoproteins (ETFs) involves an intermediary complex with NAD ⁺ . <i>Journal of Biological Chemistry</i> , 2019, 294, 3271-3283.	3.4	30
24	The reactive form of a C-S bond-cleaving, CO ₂ -fixing flavoenzyme. <i>Journal of Biological Chemistry</i> , 2019, 294, 5137-5145.	3.4	4
25	Geobiological feedbacks, oxygen, and the evolution of nitrogenase. <i>Free Radical Biology and Medicine</i> , 2019, 140, 250-259.	2.9	56
26	Protein Scaffold Activates Catalytic CO ₂ Hydrogenation by a Rhodium Bis(diphosphine) Complex. <i>ACS Catalysis</i> , 2019, 9, 620-625.	11.2	30
27	Distinct properties underlie flavin-based electron bifurcation in a novel electron transfer flavoprotein FixAB from <i>Rhodospseudomonas palustris</i> . <i>Journal of Biological Chemistry</i> , 2018, 293, 4688-4701.	3.4	22
28	Electron Transfer to Nitrogenase in Different Genomic and Metabolic Backgrounds. <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	85
29	Coenzyme M biosynthesis in bacteria involves phosphate elimination by a functionally distinct member of the aspartase/fumarase superfamily. <i>Journal of Biological Chemistry</i> , 2018, 293, 5236-5246.	3.4	10
30	Structural characterization of the nitrogenase molybdenum-iron protein with the substrate acetylene trapped near the active site. <i>Journal of Inorganic Biochemistry</i> , 2018, 180, 129-134.	3.5	21
31	Structural characterization of the P ₁ ⁺ intermediate state of the P-cluster of nitrogenase. <i>Journal of Biological Chemistry</i> , 2018, 293, 9629-9635.	3.4	44
32	Exploring the alternatives of biological nitrogen fixation. <i>Metallomics</i> , 2018, 10, 523-538.	2.4	125
33	On the nature of organic and inorganic centers that bifurcate electrons, coupling exergonic and endergonic oxidation-reduction reactions. <i>Chemical Communications</i> , 2018, 54, 4091-4099.	4.1	50
34	H/D exchange mass spectrometry and statistical coupling analysis reveal a role for allostery in a ferredoxin-dependent bifurcating transhydrogenase catalytic cycle. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 9-17.	2.4	38
35	Hydrogen Deuterium Exchange Mass Spectrometry of Oxygen Sensitive Proteins. <i>Bio-protocol</i> , 2018, 8, .	0.4	16
36	Control of electron transfer in nitrogenase. <i>Current Opinion in Chemical Biology</i> , 2018, 47, 54-59.	6.1	43

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37	A new era for electron bifurcation. <i>Current Opinion in Chemical Biology</i> , 2018, 47, 32-38.	6.1	54
38	Structure of an Ancient Respiratory System. <i>Cell</i> , 2018, 173, 1636-1649.e16.	28.9	92
39	Energy Transduction in Nitrogenase. <i>Accounts of Chemical Research</i> , 2018, 51, 2179-2186.	15.6	101
40	Mechanistic insights into energy conservation by flavin-based electron bifurcation. <i>Nature Chemical Biology</i> , 2017, 13, 655-659.	8.0	121
41	Diazotrophic Growth Allows <i>Azotobacter vinelandii</i> To Overcome the Deleterious Effects of a <i>glnE</i> Deletion. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	9
42	Reduction Potentials of [FeFe]-Hydrogenase Accessory Iron-Sulfur Clusters Provide Insights into the Energetics of Proton Reduction Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 9544-9550.	13.7	42
43	Structure-Based Mechanism for Oxidative Decarboxylation Reactions Mediated by Amino Acids and Heme Propionates in Coproheme Decarboxylase (HemQ). <i>Journal of the American Chemical Society</i> , 2017, 139, 1900-1911.	13.7	52
44	Electron Bifurcation Makes the Puzzle Pieces Fall Energetically into Place in Methanogenic Energy Conservation. <i>ChemBioChem</i> , 2017, 18, 2295-2297.	2.6	12
45	Unraveling the interactions of the physiological reductant flavodoxin with the different conformations of the Fe protein in the nitrogenase cycle. <i>Journal of Biological Chemistry</i> , 2017, 292, 15661-15669.	3.4	21
46	Structural Characterization of Poised States in the Oxygen Sensitive Hydrogenases and Nitrogenases. <i>Methods in Enzymology</i> , 2017, 595, 213-259.	1.0	6
47	Electron Bifurcation: Thermodynamics and Kinetics of Two-Electron Brokering in Biological Redox Chemistry. <i>Accounts of Chemical Research</i> , 2017, 50, 2410-2417.	15.6	44
48	The Electron Bifurcating FixABCX Protein Complex from <i>Azotobacter vinelandii</i> : Generation of Low-Potential Reducing Equivalents for Nitrogenase Catalysis. <i>Biochemistry</i> , 2017, 56, 4177-4190.	2.5	140
49	Two functionally distinct NADP ⁺ -dependent ferredoxin oxidoreductases maintain the primary redox balance of <i>Pyrococcus furiosus</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 14603-14616.	3.4	54
50	Structural Basis for the Mechanism of ATP-Dependent Acetone Carboxylation. <i>Scientific Reports</i> , 2017, 7, 7234.	3.3	12
51	Transcriptional Analysis of an Ammonium-Excreting Strain of <i>Azotobacter vinelandii</i> Deregulated for Nitrogen Fixation. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	27
52	Defining Electron Bifurcation in the Electron-Transferring Flavoprotein Family. <i>Journal of Bacteriology</i> , 2017, 199, .	2.2	78
53	<i>Syntrophomonas wolfei</i> Uses an NADH-Dependent, Ferredoxin-Independent [FeFe]-Hydrogenase To Reoxidize NADH. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	34
54	Microbial substrate preference dictated by energy demand rather than supply. <i>Nature Geoscience</i> , 2017, 10, 577-581.	12.9	39

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55	The Physiological Functions and Structural Determinants of Catalytic Bias in the [FeFe]-Hydrogenases Cpl and Cpll of Clostridium pasteurianum Strain W5. <i>Frontiers in Microbiology</i> , 2017, 8, 1305.	3.5	30
56	A Redox Active [2Fe-2S] Cluster on the Hydrogenase Maturase HydF. <i>Biochemistry</i> , 2016, 55, 3514-3527.	2.5	18
57	Symbiotic Nitrogen Fixation and the Challenges to Its Extension to Nonlegumes. <i>Applied and Environmental Microbiology</i> , 2016, 82, 3698-3710.	3.1	443
58	Light-driven dinitrogen reduction catalyzed by a CdS:nitrogenase MoFe protein biohybrid. <i>Science</i> , 2016, 352, 448-450.	12.6	676
59	Substitution of a conserved catalytic dyad into KPCC causes loss of carboxylation activity. <i>FEBS Letters</i> , 2016, 590, 2991-2996.	2.8	7
60	Unification of [FeFe]-hydrogenases into three structural and functional groups. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1910-1921.	2.4	76
61	Evidence That the P ₁ Release Event Is the Rate-Limiting Step in the Nitrogenase Catalytic Cycle. <i>Biochemistry</i> , 2016, 55, 3625-3635.	2.5	95
62	Electron bifurcation. <i>Current Opinion in Chemical Biology</i> , 2016, 31, 146-152.	6.1	139
63	The role of geochemistry and energetics in the evolution of modern respiratory complexes from a proton-reducing ancestor. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 958-970.	1.0	79
64	Biochemical and Structural Characterization of Enolase from <i>Chloroflexus aurantiacus</i> : Evidence for a Thermophilic Origin. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 74.	4.1	9
65	Biochemical and Structural Properties of a Thermostable Mercuric Ion Reductase from <i>Metallosphaera sedula</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 97.	4.1	14
66	Radical S-Adenosyl-L-methionine Chemistry in the Synthesis of Hydrogenase and Nitrogenase Metal Cofactors. <i>Journal of Biological Chemistry</i> , 2015, 290, 3987-3994.	3.4	22
67	Use of plant colonizing bacteria as chassis for transfer of N ₂ -fixation to cereals. <i>Current Opinion in Biotechnology</i> , 2015, 32, 216-222.	6.6	99
68	[FeFe]-Hydrogenase Oxygen Inactivation Is Initiated at the H Cluster 2Fe Subcluster. <i>Journal of the American Chemical Society</i> , 2015, 137, 1809-1816.	13.7	119
69	Fe Protein-Independent Substrate Reduction by Nitrogenase MoFe Protein Variants. <i>Biochemistry</i> , 2015, 54, 2456-2462.	2.5	38
70	Carbon Source Preference in Chemosynthetic Hot Spring Communities. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3834-3847.	3.1	52
71	[FeFe]-Hydrogenase Maturation: Insights into the Role HydE Plays in Dithiomethylamine Biosynthesis. <i>Biochemistry</i> , 2015, 54, 1807-1818.	2.5	57
72	Evolution of Molybdenum Nitrogenase during the Transition from Anaerobic to Aerobic Metabolism. <i>Journal of Bacteriology</i> , 2015, 197, 1690-1699.	2.2	97

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73	[FeFe]- and [NiFe]-hydrogenase diversity, mechanism, and maturation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1350-1369.	4.1	400
74	Evolutionary and Biotechnological Implications of Robust Hydrogenase Activity in Halophilic Strains of <i>Tetraselmis</i> . <i>PLoS ONE</i> , 2014, 9, e85812.	2.5	21
75	[FeFe]-Hydrogenase Abundance and Diversity along a Vertical Redox Gradient in Great Salt Lake, USA. <i>International Journal of Molecular Sciences</i> , 2014, 15, 21947-21966.	4.1	17
76	Growth of <i>Chlamydomonas reinhardtii</i> in acetate-free medium when co-cultured with alginate-encapsulated, acetate-producing strains of <i>Synechococcus</i> sp. PCC 7002. <i>Biotechnology for Biofuels</i> , 2014, 7, 154.	6.2	28
77	Investigations on the Role of Proton-Coupled Electron Transfer in Hydrogen Activation by [FeFe]-Hydrogenase. <i>Journal of the American Chemical Society</i> , 2014, 136, 15394-15402.	13.7	107
78	Goniometer-based femtosecond crystallography with X-ray free electron lasers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17122-17127.	7.1	122
79	Reversible H Atom Abstraction Catalyzed by the Radical <i>S</i> -Adenosylmethionine Enzyme HydG. <i>Journal of the American Chemical Society</i> , 2014, 136, 13086-13089.	13.7	38
80	[FeFe]-Hydrogenase Maturation. <i>Biochemistry</i> , 2014, 53, 4090-4104.	2.5	93
81	H-Cluster assembly during maturation of the [FeFe]-hydrogenase. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 747-757.	2.6	36
82	Hydrogen Metabolism and the Evolution of Biological Respiration. <i>Microbe Magazine</i> , 2014, 9, 361-367.	0.4	47
83	Biochemical and Kinetic Characterization of Radical <i>S</i> -Adenosyl- <i>l</i> -methionine Enzyme HydG. <i>Biochemistry</i> , 2013, 52, 8696-8707.	2.5	50
84	EPR and FTIR Analysis of the Mechanism of H ₂ Activation by [FeFe]-Hydrogenase HydA1 from <i>Chlamydomonas reinhardtii</i> . <i>Journal of the American Chemical Society</i> , 2013, 135, 6921-6929.	13.7	82
85	Nuclear resonance vibrational spectroscopy (NRVS) of rubredoxin and MoFe protein crystals. <i>Hyperfine Interactions</i> , 2013, 222, 77-90.	0.5	10
86	New insights into the evolutionary history of biological nitrogen fixation. <i>Frontiers in Microbiology</i> , 2013, 4, 201.	3.5	199
87	Radical AdoMet enzymes in complex metal cluster biosynthesis. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 1254-1263.	2.3	25
88	Transcriptional Profiling of Nitrogen Fixation in <i>Azotobacter vinelandii</i> . <i>Journal of Bacteriology</i> , 2011, 193, 4477-4486.	2.2	99
89	An Alternative Path for the Evolution of Biological Nitrogen Fixation. <i>Frontiers in Microbiology</i> , 2011, 2, 205.	3.5	105
90	Insights into [FeFe]-Hydrogenase Structure, Mechanism, and Maturation. <i>Structure</i> , 2011, 19, 1038-1052.	3.3	220

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91	Structural basis for carbon dioxide binding by 2-ketopropyl coenzyme M oxidoreductase/carboxylase. <i>FEBS Letters</i> , 2011, 585, 459-464.	2.8	14
92	Environmental Constraints Underpin the Distribution and Phylogenetic Diversity of <i>nifH</i> in the Yellowstone Geothermal Complex. <i>Microbial Ecology</i> , 2011, 61, 860-870.	2.8	40
93	Cyanide and Carbon Monoxide Ligand Formation in Hydrogenase Biosynthesis. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 935-947.	2.0	19
94	Cyanide and Carbon Monoxide Ligand Formation in Hydrogenase Biosynthesis. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, .	2.0	0
95	Biosynthesis of complex iron-sulfur enzymes. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 319-327.	6.1	65
96	Roles of the Redox-Active Disulfide and Histidine Residues Forming a Catalytic Dyad in Reactions Catalyzed by 2-Ketopropyl Coenzyme M Oxidoreductase/Carboxylase. <i>Journal of Bacteriology</i> , 2011, 193, 4904-4913.	2.2	12
97	Substrate specificity and evolutionary implications of a NifDK enzyme carrying NifB ϵ at its active site. <i>FEBS Letters</i> , 2010, 584, 1487-1492.	2.8	34
98	[FeFe]-Hydrogenase Cyanide Ligands Derived From S-Adenosylmethionine-Dependent Cleavage of Tyrosine. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1687-1690.	13.8	144
99	Insights into substrate binding at FeMo-cofactor in nitrogenase from the structure of an \pm -70lle MoFe protein variant. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 385-389.	3.5	67
100	Stepwise [FeFe]-hydrogenase H-cluster assembly revealed in the structure of HydA ^H EFG. <i>Nature</i> , 2010, 465, 248-251.	27.8	295
101	Synthesis of the 2Fe subcluster of the [FeFe]-hydrogenase H cluster on the HydF scaffold. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10448-10453.	7.1	129
102	[FeFe]-Hydrogenase Maturation: HydG-Catalyzed Synthesis of Carbon Monoxide. <i>Journal of the American Chemical Society</i> , 2010, 132, 9247-9249.	13.7	149
103	High level of hydrogen production activity achieved for hydrogenase encapsulated in sol-gel material doped with carbon nanotubes. <i>Journal of Materials Chemistry</i> , 2010, 20, 1065.	6.7	9
104	Activation of HydA ^H EFG Requires a Preformed [4Fe-4S] Cluster. <i>Biochemistry</i> , 2009, 48, 6240-6248.	2.5	119
105	HydF as a scaffold protein in [FeFe] hydrogenase H-cluster biosynthesis. <i>FEBS Letters</i> , 2008, 582, 2183-2187.	2.8	122
106	Dithiomethylether as a Ligand in the Hydrogenase H-Cluster. <i>Journal of the American Chemical Society</i> , 2008, 130, 4533-4540.	13.7	304
107	Getting a Handle on the Role of Coenzyme M in Alkene Metabolism. <i>Microbiology and Molecular Biology Reviews</i> , 2008, 72, 445-456.	6.6	46
108	Biomimetic Synthesis of an Active H ₂ Catalyst Using the Ferritin Protein Cage Architecture. <i>ACS Symposium Series</i> , 2008, , 263-272.	0.5	1

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109	In vitro activation of [FeFe] hydrogenase: new insights into hydrogenase maturation. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 443-447.	2.6	109
110	Mechanistic Implications of the Structure of the Mixed-Disulfide Intermediate of the Disulfide Oxidoreductase, 2-Ketopropyl-Coenzyme M Oxidoreductase/Carboxylase. <i>Biochemistry</i> , 2006, 45, 113-120.	2.5	9
111	A radical solution for the biosynthesis of the H-cluster of hydrogenase. <i>FEBS Letters</i> , 2006, 580, 363-367.	2.8	72
112	Exploring new frontiers of nitrogenase structure and mechanism. <i>Current Opinion in Chemical Biology</i> , 2006, 10, 101-108.	6.1	116
113	Insights into the role of nucleotide-dependent conformational change in nitrogenase catalysis: Structural characterization of the nitrogenase Fe protein Leu127 deletion variant with bound MgATP. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 1041-1052.	3.5	23
114	In situ analysis of nitrogen fixation and metabolic switching in unicellular thermophilic cyanobacteria inhabiting hot spring microbial mats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2398-2403.	7.1	239
115	Structural and biochemical implications of single amino acid substitutions in the nucleotide-dependent switch regions of the nitrogenase Fe protein from <i>Azotobacter vinelandii</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 1028-1033.	2.6	16
116	A Conformational Mimic of the MgATP-Bound "On State" of the Nitrogenase Iron Protein. <i>Biochemistry</i> , 2004, 43, 1787-1797.	2.5	33
117	Surprising cofactors in metalloenzymes. <i>Current Opinion in Structural Biology</i> , 2003, 13, 220-226.	5.7	70
118	Structural Basis for CO ₂ Fixation by a Novel Member of the Disulfide Oxidoreductase Family of Enzymes, 2-Ketopropyl-Coenzyme M Oxidoreductase/Carboxylase. <i>Biochemistry</i> , 2002, 41, 12907-12913.	2.5	24
119	ENZYMOLOGY: A Trio of Transition Metals in Anaerobic CO ₂ Fixation. <i>Science</i> , 2002, 298, 552-553.	12.6	11
120	MgATP-Bound and Nucleotide-Free Structures of a Nitrogenase Protein Complex between the Leu 127 ^{Fe} -Protein and the MoFe-Protein. <i>Biochemistry</i> , 2001, 40, 641-650.	2.5	85
121	Mechanistic Features and Structure of the Nitrogenase \pm -Gln195MoFe Protein. <i>Biochemistry</i> , 2001, 40, 1540-1549.	2.5	77
122	Modulating the Midpoint Potential of the [4Fe-4S] Cluster of the Nitrogenase Fe Protein. <i>Biochemistry</i> , 2000, 39, 641-648.	2.5	37
123	Photochemistry at the Active Site of the Carbon Monoxide Inhibited Form of the Iron-Only Hydrogenase (Cpl). <i>Journal of the American Chemical Society</i> , 2000, 122, 3793-3794.	13.7	71
124	Insights into Nucleotide Signal Transduction in Nitrogenase: Structure of an Iron Protein with MgADP Bound. <i>Biochemistry</i> , 2000, 39, 14745-14752.	2.5	105
125	Reversible Carbon Monoxide Binding and Inhibition at the Active Site of the Fe-Only Hydrogenase. <i>Biochemistry</i> , 2000, 39, 7455-7460.	2.5	142
126	Structure and mechanism of iron-only hydrogenases. <i>Current Opinion in Structural Biology</i> , 1999, 9, 670-676.	5.7	207

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127	Binding of Exogenously Added Carbon Monoxide at the Active Site of the Iron-Only Hydrogenase (Cpl) from <i>Clostridium pasteurianum</i> . <i>Biochemistry</i> , 1999, 38, 12969-12973.	2.5	297
128	Redox-Dependent Structural Changes in the Nitrogenase P-Cluster. <i>Biochemistry</i> , 1997, 36, 1181-1187.	2.5	498
129	Nitrogenase Structure and Function: A Biochemical-Genetic Perspective. <i>Annual Review of Microbiology</i> , 1995, 49, 335-366.	7.3	181
130	The Unfolded-Protein Response Triggers the Arthropod Immune Deficiency Pathway. <i>MBio</i> , 0, , .	4.1	0