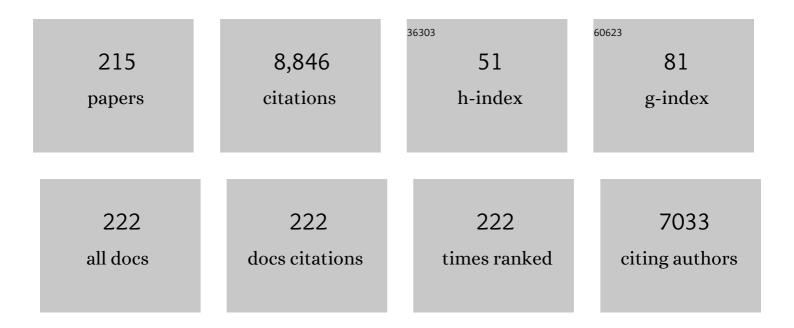
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Capacity of extracellular globins to reduce liver fibrosis via scavenging reactive oxygen species and promoting MMP-1 secretion. Redox Biology, 2022, 52, 102286.	9.0	3
2	Structural basis for heme detoxification by an ATP-binding cassette–type efflux pump in gram-positive pathogenic bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	10
3	Spatially restricted substrate-binding site of cortisol-synthesizing CYP11B1 limits multiple hydroxylations and hinders aldosterone synthesis. Current Research in Structural Biology, 2021, 3, 192-205.	2.2	1
4	NO Dynamics in Microbial Denitrification System. Chemistry Letters, 2021, 50, 280-288.	1.3	6
5	Impact of membrane protein-lipid interactions on formation of bilayer lipid membranes on SAM-modified gold electrode. Electrochimica Acta, 2021, 373, 137888.	5.2	8
6	Heme controls the structural rearrangement of its sensor protein mediating the hemolytic bacterial survival. Communications Biology, 2021, 4, 467.	4.4	8
7	Short-lived intermediate in N <sub>2</sub> O generation by P450 NO reductase captured by time-resolved IR spectroscopy and XFEL crystallography. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
8	Regulatory Switching by Concerted Motions on the Microsecond Time Scale of the Oxygen Sensor Protein FixL. Journal of Physical Chemistry B, 2021, 125, 6847-6856.	2.6	6
9	Timing of NO Binding and Protonation in the Catalytic Reaction of Bacterial Nitric Oxide Reductase as Established by Time-Resolved Spectroscopy. Bulletin of the Chemical Society of Japan, 2020, 93, 825-833.	3.2	15
10	Crystals in Minutes: Instant On‣ite Microcrystallisation of Various Flavours of the CYP102A1 (P450BM3) Haem Domain. Angewandte Chemie - International Edition, 2020, 59, 7611-7618.	13.8	13
11	Kristalle in Minutenschnelle: Sofortige Mikrokristallisation verschiedenster Varianten der CYP102A1â€(P450BM3)â€HÃ#ndomÃ#e. Angewandte Chemie, 2020, 132, 7681-7689.	2.0	6
12	The active form of quinol-dependent nitric oxide reductase from <i>Neisseria meningitidis</i> is a dimer. IUCrJ, 2020, 7, 404-415.	2.2	10
13	Functional Studies on Hemoproteins and Heme-enzymes Based on Their Molecular Structures. Bulletin of Japan Society of Coordination Chemistry, 2020, 75, 51-56.	0.2	0
14	Hijacking the Heme Acquisition System of Pseudomonas aeruginosa for the Delivery of Phthalocyanine as an Antimicrobial. ACS Chemical Biology, 2019, 14, 1637-1642.	3.4	27
15	UV Resonance Raman Characterization of a Substrate Bound to Human Indoleamine 2,3-Dioxygenase 1. Biophysical Journal, 2019, 117, 706-716.	0.5	1
16	Highly malleable haem-binding site of the haemoprotein HasA permits stable accommodation of bulky tetraphenylporphycenes. RSC Advances, 2019, 9, 18697-18702.	3.6	13
17	Dimeric structures of quinol-dependent nitric oxide reductases (qNORs) revealed by cryo–electron microscopy. Science Advances, 2019, 5, eaax1803.	10.3	14
18	Mechanistic Insights into the Activation of Soluble Guanylate Cyclase by Carbon Monoxide: A Multistep Mechanism Proposed for the BAY 41-2272 Induced Formation of 5-Coordinate CO–Heme. Biochemistry, 2018, 57, 1620-1631.	2.5	8

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19	Pseudomonas aeruginosa overexpression system of nitric oxide reductase for in vivo and in vitro mutational analyses. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 333-341.	1.0	5
20	Architecture of the complete oxygen-sensing FixL-FixJ two-component signal transduction system. Science Signaling, 2018, 11, .	3.6	38
21	Protein engineering of CYP105s for their industrial uses. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2018, 1866, 23-31.	2.3	16
22	α-Oxidative decarboxylation of fatty acids catalysed by cytochrome P450 peroxygenases yielding shorter-alkyl-chain fatty acids. Catalysis Science and Technology, 2018, 8, 434-442.	4.1	27
23	Roles of N- and C-terminal domains in the ligand-binding properties of cytoglobin. Journal of Inorganic Biochemistry, 2018, 179, 1-9.	3.5	15
24	Reconstitution of full-length P450BM3 with an artificial metal complex by utilising the transpeptidase Sortase A. Chemical Communications, 2018, 54, 7892-7895.	4.1	23
25	Characterization of the quinol-dependent nitric oxide reductase from the pathogen Neisseria meningitidis, an electrogenic enzyme. Scientific Reports, 2018, 8, 3637.	3.3	22
26	Surface-Enhanced Infrared Absorption Spectroscopy of Bacterial Nitric Oxide Reductase under Electrochemical Control Using a Vibrational Probe of Carbon Monoxide. Journal of Physical Chemistry Letters, 2018, 9, 5196-5200.	4.6	17
27	Direct Hydroxylation of Benzene to Phenol by Cytochrome P450BM3 Triggered by Amino Acid Derivatives. Angewandte Chemie - International Edition, 2017, 56, 10324-10329.	13.8	62
28	Direct Hydroxylation of Benzene to Phenol by Cytochrome P450BM3 Triggered by Amino Acid Derivatives. Angewandte Chemie, 2017, 129, 10460-10465.	2.0	23
29	Production of an active form of vitamin D 2 by genetically engineered CYP105A1. Biochemical and Biophysical Research Communications, 2017, 486, 336-341.	2.1	13
30	Dynamics of nitric oxide controlled by protein complex in bacterial system. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9888-9893.	7.1	35
31	Structures of the Heme Acquisition Protein HasA with Iron(III)â€5,15â€Diphenylporphyrin and Derivatives Thereof as an Artificial Prosthetic Group. Angewandte Chemie - International Edition, 2017, 56, 15279-15283.	13.8	15
32	Structures of the Heme Acquisition Protein HasA with Iron(III)â€5,15â€Ðiphenylporphyrin and Derivatives Thereof as an Artificial Prosthetic Group. Angewandte Chemie, 2017, 129, 15481-15485.	2.0	6
33	Manganese(V) Porphycene Complex Responsible for Inert C–H Bond Hydroxylation in a Myoglobin Matrix. Journal of the American Chemical Society, 2017, 139, 18460-18463.	13.7	60
34	Capturing an initial intermediate during the P450nor enzymatic reaction using time-resolved XFEL crystallography and caged-substrate. Nature Communications, 2017, 8, 1585.	12.8	74
35	Control of stereoselectivity of benzylic hydroxylation catalysed by wild-type cytochrome P450BM3 using decoy molecules. Catalysis Science and Technology, 2017, 7, 3332-3338.	4.1	30
36	A nearly on-axis spectroscopic system for simultaneouslyÂmeasuring UV–visible absorption and X-ray diffraction in the SPring-8 structural genomics beamline. Journal of Synchrotron Radiation, 2016, 23, 334-338.	2.4	4

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37	Regulatory Implications of Structural Changes in Tyr201 of the Oxygen Sensor Protein FixL. Biochemistry, 2016, 55, 4027-4035.	2.5	9
38	A substrate-binding-state mimic of H <sub>2</sub> O <sub>2</sub> -dependent cytochrome P450 produced by one-point mutagenesis and peroxygenation of non-native substrates. Catalysis Science and Technology, 2016, 6, 5806-5811.	4.1	49
39	A Study of the Dynamics of the Heme Pocket and C-helix in CooA upon CO Dissociation Using Time-Resolved Visible and UV Resonance Raman Spectroscopy. Journal of Physical Chemistry B, 2016, 120, 7836-7843.	2.6	7
40	Crystal structure of bacterial haem importer complex in the inward-facing conformation. Nature Communications, 2016, 7, 13411.	12.8	40
41	CHAPTER 6. Structure and Function of Nitric Oxide Reductases. 2-Oxoglutarate-Dependent Oxygenases, 2016, , 114-140.	0.8	1
42	Activation of Wild-Type Cytochrome P450BM3 by the Next Generation of Decoy Molecules: Enhanced Hydroxylation of Gaseous Alkanes and Crystallographic Evidence. ACS Catalysis, 2015, 5, 150-156.	11.2	73
43	Initial O <sub>2</sub> Insertion Step of the Tryptophan Dioxygenase Reaction Proposed by a Heme-Modification Study. Biochemistry, 2015, 54, 3604-3616.	2.5	24
44	Structure of the response regulator ChrA in the haem-sensing two-component system of <i>Corynebacterium diphtheriae</i> . Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 966-971.	0.8	5
45	Structure-Function Analyses of Cytochrome P450revI Involved in Reveromycin A Biosynthesis and Evaluation of the Biological Activity of Its Substrate, Reveromycin T. Journal of Biological Chemistry, 2014, 289, 32446-32458.	3.4	18
46	Structures of reduced and ligandâ€bound nitric oxide reductase provide insights into functional differences in respiratory enzymes. Proteins: Structure, Function and Bioinformatics, 2014, 82, 1258-1271.	2.6	29
47	Inhibition of Heme Uptake in <i>Pseudomonas aeruginosa</i> by its Hemophore (HasA <sub>p</sub> ) Bound to Synthetic Metal Complexes. Angewandte Chemie - International Edition, 2014, 53, 2862-2866.	13.8	34
48	Disulfide bonds regulate binding of exogenous ligand to human cytoglobin. Journal of Inorganic Biochemistry, 2014, 135, 20-27.	3.5	32
49	H <sub>2</sub> O <sub>2</sub> -dependent substrate oxidation by an engineered diiron site in a bacterial hemerythrin. Chemical Communications, 2014, 50, 3421-3423.	4.1	9
50	Constructing new proton pathways in nitric oxide reductases. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, e102.	1.0	0
51	Palladium-Nanoparticle-Catalyzed 1,7-Palladium Migration Involving C–H Activation, Followed by Intramolecular Amination: Regioselective Synthesis of N1-Arylbenzotriazoles and an Evaluation of Their Inhibitory Activity toward Indoleamine 2,3-Dioxygenase. Journal of Organic Chemistry, 2014, 79, 6366-6371.	3.2	43
52	Characterization of quinol-dependent nitric oxide reductase from Geobacillus stearothermophilus: Enzymatic activity and active site structure. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1019-1026.	1.0	12
53	Crystal Structure, Exogenous Ligand Binding, and Redox Properties of an Engineered Diiron Active Site in a Bacterial Hemerythrin. Inorganic Chemistry, 2013, 52, 13014-13020.	4.0	10
54	Resonance Raman study on indoleamine 2,3-dioxygenase: Control of reactivity by substrate-binding. Chemical Physics, 2013, 419, 178-183.	1.9	1

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55	Crystal structures of nitric oxide reductases provide key insights into functional conversion of respiratory enzymes. IUBMB Life, 2013, 65, 217-226.	3.4	33
56	Ultraviolet Resonance Raman Observations of the Structural Dynamics of Rhizobial Oxygen Sensor FixL on Ligand Recognition. Journal of Physical Chemistry B, 2013, 117, 15786-15791.	2.6	13
57	Structural basis for nitrous oxide generation by bacterial nitric oxide reductases. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 1195-1203.	4.0	47
58	Structural Basis for the Transcriptional Regulation of Heme Homeostasis in Lactococcus lactis. Journal of Biological Chemistry, 2012, 287, 30755-30768.	3.4	55
59	Diversity and Substrate Specificity in the Structures of Steroidogenic Cytochrome P450 Enzymes. Biological and Pharmaceutical Bulletin, 2012, 35, 818-823.	1.4	39
60	Coupling Reaction of Indolepyruvic Acid by StaD and Its Product: Implications for Biosynthesis of Indolocarbazole and Violacein. ChemBioChem, 2012, 13, 2495-2500.	2.6	14
61	Interactions of Soluble Guanylate Cyclase with a P-Site Inhibitor: Effects of Gaseous Heme Ligands, Azide, and Allosteric Activators on the Binding of 2′-Deoxy-3′-GMP. Biochemistry, 2012, 51, 9277-9289.	2.5	7
62	Structure and function of bacterial nitric oxide reductases. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1907-1913.	1.0	85
63	Proton transfer in the quinol-dependent nitric oxide reductase from Geobacillus stearothermophilus during reduction of oxygen. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1914-1920.	1.0	11
64	Crystal structure of quinol-dependent nitric oxide reductase from Geobacillus stearothermophilus. Nature Structural and Molecular Biology, 2012, 19, 238-245.	8.2	106
65	Structural basis for oxygen sensing and signal transduction of the heme-based sensor protein Aer2 from Pseudomonas aeruginosa. Chemical Communications, 2012, 48, 6523.	4.1	29
66	Chiralâ€Substrateâ€Assisted Stereoselective Epoxidation Catalyzed by H <sub>2</sub> O <sub>2</sub> â€Dependent Cytochrome P450 <sub>SPα</sub> . Chemistry - an Asian Journal, 2012, 7, 2286-2293.	3.3	26
67	Molecular structure and function of bacterial nitric oxide reductase. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 680-687.	1.0	52
68	Molecular Dynamics Simulations Reveal Proton Transfer Pathways in Cytochrome C-Dependent Nitric Oxide Reductase. PLoS Computational Biology, 2012, 8, e1002674.	3.2	27
69	Resonance Raman study on the oxygenated and the ferryl-oxo species of indoleamine 2,3-dioxygenase during catalytic turnover. Faraday Discussions, 2011, 148, 239-247.	3.2	17
70	Crystal Structure and Spectroscopic Studies of a Stable Mixed-Valent State of the Hemerythrin-like Domain of a Bacterial Chemotaxis Protein. Inorganic Chemistry, 2011, 50, 4892-4899.	4.0	20
71	Crystal structure of the carbon monoxide complex of human cytoglobin. Proteins: Structure, Function and Bioinformatics, 2011, 79, 1143-1153.	2.6	22
72	Bioconversion of vitamin D to its active form by bacterial or mammalian cytochrome P450. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 249-256.	2.3	30

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73	Application of micro-reactor chip technique for millisecond quenching of deuterium incorporation into 70S ribosomal protein complex. International Journal of Mass Spectrometry, 2011, 302, 132-138.	1.5	13
74	Characterization and Functional Modification of StaC and RebC, Which Are Involved in the Pyrrole Oxidation of Indolocarbazole Biosynthesis. Bioscience, Biotechnology and Biochemistry, 2011, 75, 2184-2193.	1.3	18
75	Crystal Structure of H2O2-dependent Cytochrome P450SPα with Its Bound Fatty Acid Substrate. Journal of Biological Chemistry, 2011, 286, 29941-29950.	3.4	103
76	Identification of the Fe–O2 and the Fe=O Heme Species for Indoleamine 2,3-Dioxygenase during Catalytic Turnover. Chemistry Letters, 2010, 39, 36-37.	1.3	29
77	Unique Properties and Reactivity of High-Valent Manganeseâ^'Oxo versus Manganeseâ^'Hydroxo in the Salen Platform. Inorganic Chemistry, 2010, 49, 6664-6672.	4.0	67
78	Understanding substrate misrecognition of hydrogen peroxide dependent cytochrome P450 from Bacillus subtilis. Journal of Biological Inorganic Chemistry, 2010, 15, 1331-1339.	2.6	35
79	Threeâ€ <b>s</b> tep hydroxylation of vitamin D <sub>3</sub> by a genetically engineered CYP105A1. FEBS Journal, 2010, 277, 3999-4009.	4.7	33
80	A Novel Glycerophosphodiester Phosphodiesterase, GDE5, Controls Skeletal Muscle Development via a Non-enzymatic Mechanism. Journal of Biological Chemistry, 2010, 285, 27652-27663.	3.4	49
81	Structural Basis of Biological N <sub>2</sub> O Generation by Bacterial Nitric Oxide Reductase. Science, 2010, 330, 1666-1670.	12.6	292
82	Mg2+ Dependence of 70 S Ribosomal Protein Flexibility Revealed by Hydrogen/Deuterium Exchange and Mass Spectrometry. Journal of Biological Chemistry, 2010, 285, 5646-5652.	3.4	18
83	Hydrophobic Residues Regulate Distal Histidine Coordinations in Human Cgb and Ngb. , 2010, , .		0
84	Excited States of Fluorescent Proteins, mKO and DsRed: Chromophoreâ^Protein Electrostatic Interaction Behind the Color Variations. Journal of Physical Chemistry B, 2010, 114, 2971-2979.	2.6	43
85	A Specific Interaction ofl-Tryptophan with CO of CO-Bound Indoleamine 2,3-Dioxygenase Identified by Resonance Raman Spectroscopy. Biochemistry, 2010, 49, 10081-10088.	2.5	6
86	ONIOM Study on a Missing Piece in Our Understanding of Heme Chemistry: Bacterial Tryptophan 2,3-Dioxygenase with Dual Oxidants. Journal of the American Chemical Society, 2010, 132, 11993-12005.	13.7	74
87	X-ray Crystal Structure of Michaelis Complex of Aldoxime Dehydratase. Journal of Biological Chemistry, 2009, 284, 32089-32096.	3.4	55
88	Cooperative Binding of l-Trp to Human Tryptophan 2,3-Dioxygenase: Resonance Raman Spectroscopic Analysis. Journal of Biochemistry, 2009, 145, 505-515.	1.7	18
89	Structure of PAS-Linked Histidine Kinase and the Response Regulator Complex. Structure, 2009, 17, 1333-1344.	3.3	93
90	Hemeâ€dependent autophosphorylation of a heme sensor kinase, ChrS, from <i>Corynebacterium diphtheriae</i> reconstituted in proteoliposomes. FEBS Letters, 2009, 583, 2244-2248.	2.8	27

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91	Theoretical and Experimental Studies of the Conversion of Chromopyrrolic Acid to an Antitumor Derivative by Cytochrome P450 StaP: The Catalytic Role of Water Molecules. Journal of the American Chemical Society, 2009, 131, 6748-6762.	13.7	64
92	Crystal Structure of a New Cyan Fluorescent Protein and Its Hue-Shifted Variants <sup>,</sup> . Biochemistry, 2009, 48, 5276-5283.	2.5	4
93	Ligand Energy Controls the Heme-Fe Valence in Aqueous Myoglobins. Journal of the Physical Society of Japan, 2009, 78, 044802.	1.6	22
94	Observation of a calcium-binding site in the γ-class carbonic anhydrase from <i>Pyrococcus horikoshii</i> . Acta Crystallographica Section D: Biological Crystallography, 2008, 64, 1012-1019.	2.5	48
95	Separation of phosphoprotein isotypes having the same number of phosphate groups using phosphateâ€affinity SDSâ€PAGE. Proteomics, 2008, 8, 2994-3003.	2.2	81
96	Molecular Design of Heteroprotein Assemblies Providing a Bionanocup as a Chemical Reactor. Small, 2008, 4, 50-54.	10.0	25
97	Synthesis and biological activity of 1-methyl-tryptophan-tirapazamine hybrids as hypoxia-targeting indoleamine 2,3-dioxygenase inhibitors. Bioorganic and Medicinal Chemistry, 2008, 16, 8661-8669.	3.0	24
98	Structural Basis of the Signal Transduction in the Two-Component System. Advances in Experimental Medicine and Biology, 2008, 631, 22-39.	1.6	22
99	Purification and functional characterization of human 11î² hydroxylase expressed in <i>Escherichia coli</i> . FEBS Journal, 2008, 275, 799-810.	4.7	44
100	Transient Intermediates from Mn(salen) with Sterically Hindered Mesityl Groups: Interconversion between Mn <sup>IV</sup> -Phenolate and Mn <sup>III</sup> -Phenoxyl Radicals as an Origin for Unique Reactivity. Inorganic Chemistry, 2008, 47, 1674-1686.	4.0	77
101	Structural Characterization of a Thiazoline-Containing Chromophore in an Orange Fluorescent Protein, Monomeric Kusabira Orange. Biochemistry, 2008, 47, 11573-11580.	2.5	53
102	Density Functional Theory Study on a Missing Piece in Understanding of Heme Chemistry: The Reaction Mechanism for Indoleamine 2,3-Dioxygenase and Tryptophan 2,3-Dioxygenase. Journal of the American Chemical Society, 2008, 130, 12299-12309.	13.7	80
103	Structure-Based Design of a Highly Active Vitamin D Hydroxylase from Streptomyces griseolus CYP105A1. Biochemistry, 2008, 47, 11964-11972.	2.5	46
104	Crystal Structure of CYP105A1 (P450SU-1) in Complex with 1α,25-Dihydroxyvitamin D <sub>3</sub> <sup>,</sup> . Biochemistry, 2008, 47, 4017-4027.	2.5	78
105	Crystal Structure of VioE, a Key Player in the Construction of the Molecular Skeleton of Violacein. Journal of Biological Chemistry, 2008, 283, 6459-6466.	3.4	38
106	<i>Escherichia coli</i> Cytosolic Glycerophosphodiester Phosphodiesterase (UgpQ) Requires Mg <sup>2+</sup> , Co <sup>2+</sup> , or Mn <sup>2+</sup> for Its Enzyme Activity. Journal of Bacteriology, 2008, 190, 1219-1223.	2.2	54
107	Light-dependent regulation of structural flexibility in a photochromic fluorescent protein. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9227-9232.	7.1	150
108	Crystal structures and catalytic mechanism of cytochrome P450 StaP that produces the indolocarbazole skeleton. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11591-11596.	7.1	108

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109	Mechanistic studies on the intramolecular one-electron transfer between the two flavins in the human endothelial NOS reductase domain. Archives of Biochemistry and Biophysics, 2007, 465, 254-265.	3.0	8
110	Structure and Ligand Binding Properties of Myoglobins Reconstituted with Monodepropionated Heme: Functional Role of Each Heme Propionate Side Chain,. Biochemistry, 2007, 46, 9406-9416.	2.5	42
111	Resonance Raman Observation of the Structural Dynamics of FixL on Signal Transduction and Ligand Discrimination. Biochemistry, 2007, 46, 6086-6096.	2.5	23
112	X-ray structure and reaction mechanism of human indoleamine 2,3-dioxygenase. International Congress Series, 2007, 1304, 85-97.	0.2	0
113	Hydrogen Peroxide Dependent Monooxygenations by Tricking the Substrate Recognition of Cytochrome P450BSÎ <sup>2</sup> . Angewandte Chemie - International Edition, 2007, 46, 3656-3659.	13.8	132
114	Separation of a phosphorylated histidine protein using phosphate affinity polyacrylamide gel electrophoresis. Analytical Biochemistry, 2007, 360, 160-162.	2.4	50
115	Crystallization and preliminary crystallographic analysis of molybdenum-cofactor biosynthesis protein C fromThermus thermophilus. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 27-29.	0.7	4
116	Cloning, expression, purification, crystallization and preliminary X-ray crystallographic study of DHNA synthetase fromGeobacillus kaustophilus. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 103-105.	0.7	4
117	Cloning, expression, purification, crystallization and preliminary X-ray crystallographic study of molybdopterin synthase fromThermus thermophilusHB8. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 324-326.	0.7	2
118	Preliminary X-ray crystallographic study of glucose dehydrogenase fromThermus thermophilusHB8. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 446-448.	0.7	1
119	Crystal Structure and Peroxidase Activity of Myoglobin Reconstituted with Iron Porphycene. Inorganic Chemistry, 2006, 45, 10530-10536.	4.0	89
120	Roles of the Heme Distal Residues of FixL in O2 Sensing:  A Single Convergent Structure of the Heme Moiety Is Relevant to the Downregulation of Kinase Activity. Biochemistry, 2006, 45, 2515-2523.	2.5	31
121	1.25ÂÃ Resolution Crystal Structures of Human Haemoglobin in the Oxy, Deoxy and Carbonmonoxy Forms. Journal of Molecular Biology, 2006, 360, 690-701.	4.2	261
122	The Signaling Pathway in Histidine Kinase and the Response Regulator Complex Revealed by X-ray Crystallography and Solution Scattering. Journal of Molecular Biology, 2006, 362, 123-139.	4.2	27
123	High-resolution structure of human cytoglobin: identification of extra N- and C-termini and a new dimerization mode. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 671-677.	2.5	28
124	Crystallization and preliminary crystallographic studies of human indoleamine 2,3-dioxygenase. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 221-223.	0.7	8
125	Design and Synthesis of De Novo Peptide for Manganese Binding. International Journal of Peptide Research and Therapeutics, 2006, 12, 379-385.	1.9	10
126	Crystal structure of human indoleamine 2,3-dioxygenase: Catalytic mechanism of O2 incorporation by a heme-containing dioxygenase. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2611-2616.	7.1	389

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127	Tolerance of the Rieske-type [2Fe-2S] cluster in recombinant ferredoxin BphA3 from Pseudomonas sp. KKS102 to histidine ligand mutations. Biochemical Journal, 2005, 388, 869-878.	3.7	22
128	Solution Structure of the C-Terminal Transcriptional Activator Domain of FixJ from Sinorhizobium meliloti and Its Recognition of the fixK Promoter,. Biochemistry, 2005, 44, 14835-14844.	2.5	20
129	Structural Characterization of the Proximal and Distal Histidine Environment of Cytoglobin and Neuroglobin. Biochemistry, 2005, 44, 13257-13265.	2.5	62
130	Design of λ Cro Fold: Solution Structure of a Monomeric Variant of the De Novo Protein. Journal of Molecular Biology, 2005, 354, 801-814.	4.2	14
131	Stopped-flow spectrophotometric and resonance Raman analyses of aldoxime dehydratase involved in carbon-nitrogen triple bond synthesis. FEBS Letters, 2005, 579, 1394-1398.	2.8	12
132	Interflavin one-electron transfer in the inducible nitric oxide synthase reductase domain and NADPH-cytochrome P450 reductase. Archives of Biochemistry and Biophysics, 2005, 440, 65-78.	3.0	15
133	XAFS and Protein Crystallography Beamline BL38B1 at SPring-8. AIP Conference Proceedings, 2004, , .	0.4	3
134	Properties of Two Distinct Heme Centers of Cytochrome b561 from Bovine Chromaffin Vesicles Studied by EPR, Resonance Raman, and Ascorbate Reduction Assay. Journal of Biochemistry, 2004, 135, 53-64.	1.7	25
135	ADP reduces the oxygen-binding affinity of a sensory histidine kinase, FixL: The possibility of an enhanced reciprocating kinase reaction. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2742-2746.	7.1	33
136	NO Reduction by Nitric-oxide Reductase from Denitrifying Bacterium Pseudomonas aeruginosa. Journal of Biological Chemistry, 2004, 279, 55247-55254.	3.4	98
137	The Crystal Structures of the Ferric and Ferrous Forms of the Heme Complex of HmuO, a Heme Oxygenase of Corynebacterium diphtheriae. Journal of Biological Chemistry, 2004, 279, 11937-11947.	3.4	97
138	D88A mutant of cytochrome P450nor provides kinetic evidence for direct complex formation with electron donor NADH. FEBS Journal, 2004, 271, 2887-2894.	0.2	14
139	Peroxide-utilizing biocatalysts: structural and functional diversity of heme-containing enzymes. Current Opinion in Chemical Biology, 2004, 8, 127-132.	6.1	57
140	Design and Synthesis ofde NovoCytochromescâ€. Biochemistry, 2004, 43, 9823-9833.	2.5	33
141	Structural Basis of Human Cytoglobin for Ligand Binding. Journal of Molecular Biology, 2004, 339, 873-885.	4.2	106
142	Synthesis of biotinylated heme and its application to panning heme-binding proteins. Analytical Biochemistry, 2003, 321, 138-141.	2.4	12
143	Chimeric sensory kinases containing O2 sensor domain of FixL and histidine kinase domain from thermophile. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1646, 136-144.	2.3	15
144	The uncoupling of oxygen sensing, phosphorylation signalling and transcriptional activation in oxygen sensor FixL and FixJ mutants. Molecular Microbiology, 2003, 48, 373-383.	2.5	29

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145	Characterization of heme environmental structure of cytoglobin, a fourth globin in human. Journal of Inorganic Biochemistry, 2003, 96, 224.	3.5	0
146	Infrared Spectroscopic and Mutational Studies on Putidaredoxin-Induced Conformational Changes in Ferrous CO-P450camâ€,‡. Biochemistry, 2003, 42, 14507-14514.	2.5	58
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