# Christian Obinger

List of Publications by Year
in descending order



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|---|---|---|---|
| 233 papers | 9,549 citations | 36303 51 h-index | 60623 81 g-index |
| 237 all docs | 237 docs citations | 237 times ranked | 7567 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Substrate specificity and complex stability of coproporphyrin ferrochelatase is governed by hydrogenâ€bonding interactions of the four propionate groups. FEBS Journal, 2022, 289, 1680-1699. | 4.7 | 13 |
| 2 | Effect of ionizing radiation on human myeloperoxidase: Reaction with hydrated electrons. Journal of Photochemistry and Photobiology B: Biology, 2022, 226, 112369. | 3.8 | 0 |
| 3 | Impact of the dynamics of the catalytic arginine on nitrite and chlorite binding by dimeric chlorite dismutase. Journal of Inorganic Biochemistry, 2022, 227, 111689. | 3.5 | 3 |
| 4 | On â€˜Purification and characterization of an extracellular Mn(II)-dependent peroxidase from the lignin-degrading basidiomycete, Phanerochaete chrysosporiumâ€™ by Jeffrey K. Glenn and Michael H. Gold. Archives of Biochemistry and Biophysics, 2022, 726, 109257. | 3.0 | 1 |
| 5 | Understanding molecular enzymology of porphyrin-binding Î±Â+ÂÎ² barrel proteins - One fold, multiple functions. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2021, 1869, 140536. | 2.3 | 24 |
| 6 | Arresting the Catalytic Arginine in Chlorite Dismutases: Impact on Heme Coordination, Thermal Stability, and Catalysis. Biochemistry, 2021, 60, 621-634. | 2.5 | 4 |
| 7 | On the Track of Long-Range Electron Transfer in B-Type Dye-Decolorizing Peroxidases: Identification of a Tyrosyl Radical by Computational Prediction and Electron Paramagnetic Resonance Spectroscopy. Biochemistry, 2021, 60, 1226-1241. | 2.5 | 11 |
| 8 | In Vitro Heme Coordination of a Dye-Decolorizing Peroxidaseâ€"The Interplay of Key Amino Acids, pH, Buffer and Glycerol. International Journal of Molecular Sciences, 2021, 22, 9849. | 4.1 | 0 |
| 9 | Reaction intermediate rotation during the decarboxylation of coproheme to heme b in C.Âdiphtheriae. Biophysical Journal, 2021, 120, 3600-3614. | 0.5 | 12 |
| 10 | Peroxidasin protein expression and enzymatic activity in metastatic melanoma cell lines are associated with invasive potential. Redox Biology, 2021, 46, 102090. | 9.0 | 12 |
| 11 | PhosphoFlowSeq â€" A High-throughput Kinase Activity Assay for Screening Drug Resistance Mutations in EGFR. Journal of Molecular Biology, 2021, 433, 167210. | 4.2 | 3 |
| 12 | Pseudoperoxidase activity, conformational stability and aggregation propensity of the His98Tyr myoglobin variant: Implications for the onset of myoglobinopathy. FEBS Journal, 2021, , . | 4.7 | 1 |
| 13 | Monomeric and homotrimeric solution structures of truncated human peroxidasin 1 variants. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140249. | 2.3 | 11 |
| 14 | Crystal structures and calorimetry reveal catalytically relevant binding mode of coproporphyrin and coproheme in coproporphyrin ferrochelatase. FEBS Journal, 2020, 287, 2779-2796. | 4.7 | 22 |
| 15 | X-rayâ€"induced photoreduction of heme metal centers rapidly induces active-site perturbations in a protein-independent manner. Journal of Biological Chemistry, 2020, 295, 13488-13501. | 3.4 | 33 |
| 16 | Engineering AvidCARs for combinatorial antigen recognition and reversible control of CAR function. Nature Communications, 2020, 11, 4166. | 12.8 | 53 |
| 17 | Efficient N-Glycosylation of the Heavy Chain Tailpiece Promotes the Formation of Plant-Produced Dimeric IgA. Frontiers in Chemistry, 2020, 8, 346. | 3.6 | 16 |
| 18 | The leucine-rich repeat domain of human peroxidasin 1 promotes binding to laminin in basement membranes. Archives of Biochemistry and Biophysics, 2020, 689, 108443. | 3.0 | 13 |

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| 19 | A conformation-specific ON-switch for controlling CAR T cells with an orally available drug. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14926-14935. | 7.1 | 59 |
| 20 | Reaction of human peroxidasin 1 compound I and compound II with one-electron donors. Archives of Biochemistry and Biophysics, 2020, 681, 108267. | 3.0 | 10 |
| 21 | Actinobacterial Coproheme Decarboxylases Use Histidine as a Distal Base to Promote Compound I Formation. ACS Catalysis, 2020, 10, 5405-5418. | 11.2 | 19 |
| 22 | Inhibition of Myeloperoxidase. Handbook of Experimental Pharmacology, 2020, 264, 261-285. | 1.8 | 4 |
| 23 | Human peroxidasin 1 promotes angiogenesis through ERK1/2, Akt, and FAK pathways. Cardiovascular Research, 2019, 115, 463-475. | 3.8 | 25 |
| 24 | Distinct FcÎ± receptor N-glycans modulate the binding affinity to immunoglobulin A (IgA) antibodies. Journal of Biological Chemistry, 2019, 294, 13995-14008. | 3.4 | 29 |
| 25 | Redox thermodynamics of B-class dye-decolorizing peroxidases. Journal of Inorganic Biochemistry, 2019, 199, 110761. | 3.5 | 18 |
| 26 | Redox Cofactor Rotates during Its Stepwise Decarboxylation: Molecular Mechanism of Conversion of Coproheme to Heme <i>b</i>. ACS Catalysis, 2019, 9, 6766-6782. | 11.2 | 28 |
| 27 | Versatile Oxidase and Dehydrogenase Activities of Bacterial Pyranose 2-Oxidase Facilitate Redox Cycling with Manganese Peroxidase <i>In Vitro</i>. Applied and Environmental Microbiology, 2019, 85, . | 3.1 | 23 |
| 28 | Myoglobinopathy is an adult-onset autosomal dominant myopathy with characteristic sarcoplasmic inclusions. Nature Communications, 2019, 10, 1396. | 12.8 | 11 |
| 29 | The hydrogen bonding network of coproheme in coproheme decarboxylase from Listeria monocytogenes: Effect on structure and catalysis. Journal of Inorganic Biochemistry, 2019, 195, 61-70. | 3.5 | 19 |
| 30 | The soluble curcumin derivative NDS27 inhibits superoxide anion production by neutrophils and acts as substrate and reversible inhibitor of myeloperoxidase. Chemico-Biological Interactions, 2019, 297, 34-43. | 4.0 | 10 |
| 31 | Myeloperoxidase-catalyzed oxidation of cyanide to cyanate: A potential carbamylation route involved in the formation of atherosclerotic plaques?. Journal of Biological Chemistry, 2018, 293, 6374-6386. | 3.4 | 36 |
| 32 | Secreted heme peroxidase from Dictyostelium discoideum: Insights into catalysis, structure, and biological role. Journal of Biological Chemistry, 2018, 293, 1330-1345. | 3.4 | 10 |
| 33 | Insights into the Active Site of Coproheme Decarboxylase from Listeria monocytogenes. Biochemistry, 2018, 57, 2044-2057. | 2.5 | 28 |
| 34 | Posttranslational modification of heme in peroxidases â€" Impact on structure and catalysis. Archives of Biochemistry and Biophysics, 2018, 643, 14-23. | 3.0 | 22 |
| 35 | Roles of distal aspartate and arginine of B-class dye-decolorizing peroxidase in heterolytic hydrogen peroxide cleavage. Journal of Biological Chemistry, 2018, 293, 14823-14838. | 3.4 | 41 |
| 36 | Mammalian heme peroxidases: From innate immunity to pathology and extracellular matrix biosynthesis. Archives of Biochemistry and Biophysics, 2018, 655, 55. | 3.0 | 2 |

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| 37 | A myeloperoxidase precursor, pro-myeloperoxidase, is present in human plasma and elevated in cardiovascular disease patients. PLoS ONE, 2018, 13, e0192952. | 2.5 | 18 |
| 38 | Pre-steady-state Kinetics Reveal the Substrate Specificity and Mechanism of Halide Oxidation of Truncated Human Peroxidasin 1. Journal of Biological Chemistry, 2017, 292, 4583-4592. | 3.4 | 36 |
| 39 | From Dynamic Combinatorial Chemistry to in Vivo Evaluation of Reversible and Irreversible Myeloperoxidase Inhibitors. ACS Medicinal Chemistry Letters, 2017, 8, 206-210. | 2.8 | 19 |
| 40 | Exploring Site-Specific N-Glycosylation of HEK293 and Plant-Produced Human IgA Isotypes. Journal of Proteome Research, 2017, 16, 2560-2570. | 3.7 | 41 |
| 41 | Fcab-HER2 Interaction: a MÃ©nage Ã Trois. Lessons from X-Ray and Solution Studies. Structure, 2017, 25, 878-889.e5. | 3.3 | 29 |
| 42 | Structure of human promyeloperoxidase (proMPO) and the role of the propeptide in processing and maturation. Journal of Biological Chemistry, 2017, 292, 8244-8261. | 3.4 | 38 |
| 43 | Molecular Mechanism of Enzymatic Chlorite Detoxification: Insights from Structural and Kinetic Studies. ACS Catalysis, 2017, 7, 7962-7976. | 11.2 | 26 |
| 44 | Fungal Hybrid B heme peroxidases â€“ unique fusions of a heme peroxidase domain with a carbohydrate-binding domain. Scientific Reports, 2017, 7, 9393. | 3.3 | 9 |
| 45 | Two-faced Fcab prevents polymerization with VEGF and reveals thermodynamics and the 2.15ÂÅ crystal structure of the complex. MAbs, 2017, 9, 1088-1104. | 5.2 | 11 |
| 46 | Posttranslational Modification of Heme <i>b</i> in a Bacterial Peroxidase: The Role of Heme to Protein Ester Bonds in Ligand Binding and Catalysis. Biochemistry, 2017, 56, 4525-4538. | 2.5 | 10 |
| 47 | Mechanisms of myeloperoxidase catalyzed oxidation of H2S by H2O2 or O2 to produce potent protein Cys-polysulfide-inducing species. Free Radical Biology and Medicine, 2017, 113, 551-563. | 2.9 | 37 |
| 48 | Discovery of Novel Potent Reversible and Irreversible Myeloperoxidase Inhibitors Using Virtual Screening Procedure. Journal of Medicinal Chemistry, 2017, 60, 6563-6586. | 6.4 | 34 |
| 49 | Genome sequence of the filamentous soil fungus Chaetomium cochliodes reveals abundance of genes for heme enzymes from all peroxidase and catalase superfamilies. BMC Genomics, 2016, 17, 763. | 2.8 | 41 |
| 50 | Flavonoids as promoters of the (pseudo-)halogenating activity of lactoperoxidase and myeloperoxidase. Free Radical Biology and Medicine, 2016, 97, 307-319. | 2.9 | 35 |
| 51 | Chemistry and Molecular Dynamics Simulations of Heme b-HemQ and Coproheme-HemQ. Biochemistry, 2016, 55, 5398-5412. | 2.5 | 24 |
| 52 | From chlorite dismutase towards HemQâ€"the role of the proximal H-bonding network in haeme binding. Bioscience Reports, 2016, 36, . | 2.4 | 22 |
| 53 | Engineered IgG1â€Fc â€“ one fragment to bind them all. Immunological Reviews, 2016, 270, 113-131. | 6.0 | 35 |
| 54 | Novel bis-arylalkylamines as myeloperoxidase inhibitors: Design, synthesis, and structure-activity relationship study. European Journal of Medicinal Chemistry, 2016, 123, 746-762. | 5.5 | 13 |

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| 56 | Characterization of chemical features of potent myeloperoxidase inhibitors. Future Medicinal Chemistry, 2016, 8, 1163-1177. | 2.3 | 10 |
| 57 | Hydrogen peroxideâ€mediated conversion of coproheme to heme <i>b</i> by HemQâ€”lessons from the first crystal structure and kinetic studies. FEBS Journal, 2016, 283, 4386-4401. | 4.7 | 36 |
| 58 | Interaction with the Redox Cofactor MYW and Functional Role of a Mobile Arginine in Eukaryotic Catalase-Peroxidase. Biochemistry, 2016, 55, 3528-3541. | 2.5 | 8 |
| 59 | Long-Term Effects of (â€“)-Epigallocatechin Gallate (EGCG) on Pristane-Induced Arthritis (PIA) in Female Dark Agouti Rats. PLoS ONE, 2016, 11, e0152518. | 2.5 | 26 |
| 60 | Enhancing hypothiocyanite production by lactoperoxidase â€“ mechanism and chemical properties of promotors. Biochemistry and Biophysics Reports, 2015, 4, 257-267. | 1.3 | 21 |
| 61 | Dimeric chlorite dismutase from the nitrogenâ€fixing cyanobacterium <scp><i>C</i></scp><i>yanothece</i> sp. <scp>PCC</scp>7425. Molecular Microbiology, 2015, 96, 1053-1068. | 2.5 | 22 |
| 62 | Reaction of pyranose dehydrogenase from AgaricusÂmeleagris with its carbohydrate substrates. FEBS Journal, 2015, 282, 4218-4241. | 4.7 | 15 |
| 63 | Eukaryotic Catalase-Peroxidase: The Role of the Trp-Tyr-Met Adduct in Protein Stability, Substrate Accessibility, and Catalysis of Hydrogen Peroxide Dismutation. Biochemistry, 2015, 54, 5425-5438. | 2.5 | 3 |
| 64 | Independent evolution of four heme peroxidase superfamilies. Archives of Biochemistry and Biophysics, 2015, 574, 108-119. | 3.0 | 184 |
| 65 | Structure and heme-binding properties of HemQ (chlorite dismutase-like protein) from Listeria monocytogenes. Archives of Biochemistry and Biophysics, 2015, 574, 36-48. | 3.0 | 44 |
| 66 | Multidomain Human Peroxidasin 1 Is a Highly Glycosylated and Stable Homotrimeric High Spin Ferric Peroxidase. Journal of Biological Chemistry, 2015, 290, 10876-10890. | 3.4 | 25 |
| 67 | A protein fold with multiple functions: Chlorite dismutase, HemQ and DyP-type peroxidase. Archives of Biochemistry and Biophysics, 2015, 574, 1-2. | 3.0 | 3 |
| 68 | Mechanism of chlorite degradation to chloride and dioxygen by the enzyme chlorite dismutase. Archives of Biochemistry and Biophysics, 2015, 574, 18-26. | 3.0 | 26 |
| 69 | Introduction of germline residues improves the stability of anti-HIV mAb 2G12-IgM. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1536-1544. | 2.3 | 7 |
| 70 | UDP-sulfoquinovose formation by Sulfolobus acidocaldarius. Extremophiles, 2015, 19, 451-467. | 2.3 | 10 |
| 71 | Interactions of hydrogen sulfide with myeloperoxidase. British Journal of Pharmacology, 2015, 172, 1516-1532. | 5.4 | 96 |
| 72 | Mechanistic Aspects of Catalase-peroxidase. 2-Oxoglutarate-Dependent Oxygenases, 2015, , 156-180. | 0.8 | 1 |

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| 75 | Editorial: Biomolecular Technology of Proteins â€" BioToP. Biotechnology Journal, 2014, 9, 453-454. | 3.5 | 1 |
| 76 | Impact of myeloperoxidase-LDL interactions on enzyme activity and subsequent posttranslational oxidative modifications of apoB-100. Journal of Lipid Research, 2014, 55, 747-757. | 4.2 | 55 |
| 77 | Chlorite dismutases â€" a heme enzyme family for use in bioremediation and generation of molecular oxygen. Biotechnology Journal, 2014, 9, 461-473. | 3.5 | 55 |
| 78 | Hybrid molecules inhibiting myeloperoxidase activity and serotonin reuptake: a possible new approach of major depressive disorders with inflammatory syndrome. Journal of Pharmacy and Pharmacology, 2014, 66, 1122-1132. | 2.4 | 17 |
| 79 | Manipulating Conserved Heme Cavity Residues of Chlorite Dismutase: Effect on Structure, Redox Chemistry, and Reactivity. Biochemistry, 2014, 53, 77-89. | 2.5 | 32 |
| 80 | Transiently Produced Hypochlorite Is Responsible for the Irreversible Inhibition of Chlorite Dismutase. Biochemistry, 2014, 53, 3145-3157. | 2.5 | 46 |
| 81 | How Covalent Heme to Protein Bonds Influence the Formation and Reactivity of Redox Intermediates of a Bacterial Peroxidase. Journal of Biological Chemistry, 2014, 289, 31480-31491. | 3.4 | 15 |
| 82 | Agaricus meleagris pyranose dehydrogenase: Influence of covalent FAD linkage on catalysis and stability. Archives of Biochemistry and Biophysics, 2014, 558, 111-119. | 3.0 | 9 |
| 83 | Investigation of Ion Binding in Chlorite Dismutases by Means of Molecular Dynamics Simulations. Biochemistry, 2014, 53, 4869-4879. | 2.5 | 17 |
| 84 | Turning points in the evolution of peroxidaseâ€"catalase superfamily: molecular phylogeny of hybrid heme peroxidases. Cellular and Molecular Life Sciences, 2014, 71, 4681-4696. | 5.4 | 70 |
| 85 | Biochemical characterization of the major N-acetylmuramidase from Lactobacillus buchneri. Microbiology (United Kingdom), 2014, 160, 1807-1819. | 1.8 | 12 |
| 86 | Creating stable stem regions for loop elongation in Fcabs â€" Insights from combining yeast surface display, in silico loop reconstruction and molecular dynamics simulations. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1530-1540. | 2.3 | 3 |
| 87 | Mechanism of reaction of chlorite with mammalian heme peroxidases. Journal of Inorganic Biochemistry, 2014, 135, 10-19. | 3.5 | 25 |
| 88 | Intracellular targeting of ascomycetous catalase-peroxidases (KatG1s). Archives of Microbiology, 2013, 195, 393-402. | 2.2 | 6 |
| 89 | Directed evolution of Her2/neu-binding IgG1-Fc for improved stability and resistance to aggregation by using yeast surface display. Protein Engineering, Design and Selection, 2013, 26, 255-265. | 2.1 | 34 |
| 90 | Inactivation of human myeloperoxidase by hydrogen peroxide. Archives of Biochemistry and Biophysics, 2013, 539, 51-62. | 3.0 | 56 |

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| 91 | Design, Synthesis, and Structureâ€"Activity Relationship Studies of Novel 3-Alkylindole Derivatives as Selective and Highly Potent Myeloperoxidase Inhibitors. Journal of Medicinal Chemistry, 2013, 56, 3943-3958. | 6.4 | 33 |
| 92 | Stability assessment on a library scale: a rapid method for the evaluation of the commutability and insertion of residues in C-terminal loops of the CH3 domains of IgG1-Fc. Protein Engineering, Design and Selection, 2013, 26, 675-682. | 2.1 | 20 |
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| 95 | High Conformational Stability of Secreted Eukaryotic Catalase-peroxidases. Journal of Biological Chemistry, 2012, 287, 32254-32262. | 3.4 | 21 |
| 96 | Evaluation of New Scaffolds of Myeloperoxidase Inhibitors by Rational Design Combined with High-Throughput Virtual Screening. Journal of Medicinal Chemistry, 2012, 55, 7208-7218. | 6.4 | 30 |
| 97 | Redox Thermodynamics of High-Spin and Low-Spin Forms of Chlorite Dismutases with Diverse Subunit and Oligomeric Structures. Biochemistry, 2012, 51, 9501-9512. | 2.5 | 30 |
| 98 | Molecular evolution of hydrogen peroxide degrading enzymes. Archives of Biochemistry and Biophysics, 2012, 525, 131-144. | 3.0 | 143 |
| 99 | Directed evolution of proteins for increased stability and expression using yeast display. Archives of Biochemistry and Biophysics, 2012, 526, 174-180. | 3.0 | 76 |
| 100 | Catalases and hydrogen peroxide metabolism. Archives of Biochemistry and Biophysics, 2012, 525, 93-94. | 3.0 | 7 |
| 101 | Directed evolution of stabilized IgG1-Fc scaffolds by application of strong heat shock to libraries displayed on yeast. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 542-549. | 2.3 | 50 |
| 102 | Impact of subunit and oligomeric structure on the thermal and conformational stability of chlorite dismutases. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 1031-1038. | 2.3 | 18 |
| 103 | Eukaryotic extracellular catalaseâ€"peroxidase from Magnaporthe grisea â€" Biophysical/chemical characterization of the first representative from a novel phytopathogenic KatG group. Biochimie, 2012, 94, 673-683. | 2.6 | 26 |
| 104 | Molecular Evolution, Structure, and Function of Peroxidasins. Chemistry and Biodiversity, 2012, 9, 1776-1793. | 2.1 | 51 |
| 105 | Isoniazid as a substrate and inhibitor of myeloperoxidase: Identification of amine adducts and the influence of superoxide dismutase on their formation. Biochemical Pharmacology, 2012, 84, 949-960. | 4.4 | 30 |
| 106 | Construction of a Stability Landscape of the CH3 Domain of Human IgG1 by Combining Directed Evolution with High Throughput Sequencing. Journal of Molecular Biology, 2012, 423, 397-412. | 4.2 | 48 |
| 107 | A Fusion Tag to Fold on: The S-Layer Protein SgsE Confers Improved Folding Kinetics to Translationally Fused Enhanced Green Fluorescent Protein. Journal of Microbiology and Biotechnology, 2012, 22, 1271-1278. | 2.1 | 2 |
| 108 | Influence of the Covalent Hemeâ€"Protein Bonds on the Redox Thermodynamics of Human Myeloperoxidase. Biochemistry, 2011, 50, 7987-7994. | 2.5 | 38 |

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| 109 | Manipulating the proximal triad Hisâ€"Asnâ€"Arg in human myeloperoxidase. Archives of Biochemistry and Biophysics, 2011, 516, 21-28. | 3.0 | 5 |
| 110 | Life Implies Work: A Holistic Account of Our Microbial Biosphere Focussing on the Bioenergetic Processes of Cyanobacteria, the Ecologically Most Successful Organisms on Our Earth. , 2011, , 3-70. | | 4 |
| 111 | Bovine lactoperoxidase â€" a versatile oneâ€•and twoâ€electron catalyst of high structural and thermal stability. Biotechnology Journal, 2011, 6, 231-243. | 3.5 | 14 |
| 112 | Conformational and thermal stability of mature dimeric human myeloperoxidase and a recombinant monomeric form from CHO cells. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 375-387. | 2.3 | 28 |
| 113 | Integrin binding human antibody constant domainsâ€"Probing the C-terminal structural loops for grafting the RGD motif. Journal of Biotechnology, 2011, 155, 193-202. | 3.8 | 21 |
| 114 | Unexpected Diversity of Chlorite Dismutases: a Catalytically Efficient Dimeric Enzyme from Nitrobacter winogradskyi. Journal of Bacteriology, 2011, 193, 2408-2417. | 2.2 | 76 |
| 115 | Cyanobacterial Respiratory Electron Transport: Heme-Copper Oxidases and Their Electron Donors. , 2011, , 657-682. | | 3 |
| 116 | Molecular diversity of katG genes in the soil bacteria Comamonas. Archives of Microbiology, 2010, 192, 175-184. | 2.2 | 6 |
| 117 | The Reaction of Synechocystis Catalaseâ€"Peroxidase (KatG) with Isoniazid Investigated by Multifrequency (9â€"285ÂGHz) EPR Spectroscopy. Applied Magnetic Resonance, 2010, 37, 267-277. | 1.2 | 7 |
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| 120 | Probing the two-domain structure of homodimeric prokaryotic and eukaryotic catalaseâ€"peroxidases. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 2136-2145. | 2.3 | 6 |
| 121 | Glycosylation Pattern of Mature Dimeric Leukocyte and Recombinant Monomeric Myeloperoxidase. Journal of Biological Chemistry, 2010, 285, 16351-16359. | 3.4 | 52 |
| 122 | Structural and functional characterisation of the chlorite dismutase from the nitrite-oxidizing bacterium â€œCandidatus Nitrospira defluviiâ€• Identification of a catalytically important amino acid residue. Journal of Structural Biology, 2010, 172, 331-342. | 2.8 | 79 |
| 123 | Redox thermodynamics of lactoperoxidase and eosinophil peroxidase. Archives of Biochemistry and Biophysics, 2010, 494, 72-77. | 3.0 | 34 |
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| 125 | Evolution of structure and function of Class I peroxidases. Archives of Biochemistry and Biophysics, 2010, 500, 45-57. | 3.0 | 71 |
| 126 | Mechanisms of catalase activity of heme peroxidases. Archives of Biochemistry and Biophysics, 2010, 500, 74-81. | 3.0 | 153 |

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| 127 | Heme peroxidase biochemistry â€“ Facts and perspectives. Archives of Biochemistry and Biophysics, 2010, 500, 1-2. | 3.0 | 12 |
| 128 | Structure-Based Design, Synthesis, and Pharmacological Evaluation of 3-(Aminoalkyl)-5-fluoroindoles as Myeloperoxidase Inhibitors. Journal of Medicinal Chemistry, 2010, 53, 8747-8759. | 6.4 | 49 |
| 129 | Molecular Phylogeny of Heme Peroxidases. , 2010, , 7-35. | | 35 |
| 130 | Occurrence, phylogeny, structure, and function of catalases and peroxidases in cyanobacteria. Journal of Experimental Botany, 2009, 60, 423-440. | 4.8 | 116 |
| 131 | Essential Role of Proximal Histidine-Asparagine Interaction in Mammalian Peroxidases. Journal of Biological Chemistry, 2009, 284, 25929-25937. | 3.4 | 68 |
| 132 | Cyanobacterial cytochrome cM: Probing its role as electron donor for CuA of cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 135-143. | 1.0 | 26 |
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| 134 | Conformational changes of Mal d 2, a thaumatin-like apple allergen, induced by food processing. Food Chemistry, 2009, 112, 803-811. | 8.2 | 33 |
| 135 | Heterolytic Reduction of Fatty Acid Hydroperoxides by Cytochrome <i>c</i>/Cardiolipin Complexes: Antioxidant Function in Mitochondria. Journal of the American Chemical Society, 2009, 131, 11288-11289. | 13.7 | 62 |
| 136 | Two distinct groups of fungal catalase/peroxidases. Biochemical Society Transactions, 2009, 37, 772-777. | 3.4 | 38 |
| 137 | Intracellular catalase/peroxidase from the phytopathogenic rice blast fungus <i>Magnaporthe grisea</i>: expression analysis and biochemical characterization of the recombinant protein. Biochemical Journal, 2009, 418, 443-451. | 3.7 | 24 |
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| 141 | Hemeâ€Copper Oxidases and Their Electron Donors in Cyanobacterial Respiratory Electron Transport. Chemistry and Biodiversity, 2008, 5, 1927-1961. | 2.1 | 21 |
| 142 | The role of the sulfonium linkage in the stabilization of the ferrous form of myeloperoxidase: A comparison with lactoperoxidase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 843-849. | 2.3 | 17 |
| 143 | Impact of different cultivation and induction regimes on the structure of cytosolic inclusion bodies of TEM1â€Î²â€lactamase. Biotechnology Journal, 2008, 3, 1245-1255. | 3.5 | 17 |
| 144 | Fast Quantification of Recombinant Protein Inclusion Bodies within Intact Cells by FT-IR Spectroscopy. Biotechnology Progress, 2008, 23, 762-766. | 2.6 | 18 |

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| 145 | Kinetic evidence for rapid oxidation of (â€“)-epicatechin by human myeloperoxidase. Biochemical and Biophysical Research Communications, 2008, 371, 810-813. | 2.1 | 23 |
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