

CITATION REPORT

List of articles citing

The homologous tryptophan critical for cytochrome c peroxidase function is not essential for ascorbate peroxidase activity

DOI: 10.1007/s007750050023

Journal of Biological Inorganic Chemistry, 1996, 1, 61-66.

Source: <https://exaly.com/paper-pdf/27220893/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
32	EPR investigation of compound I in <i>Proteus mirabilis</i> and bovine liver catalases: formation of porphyrin and tyrosyl radical intermediates. <i>Biochemistry</i> , 1997 , 36, 9356-64	3.2	121
31	Structural analysis of compound I in hemoproteins: study on <i>Proteus mirabilis</i> catalase. <i>Biochimie</i> , 1997 , 79, 667-71	4.6	20
30	Detection of a tryptophan radical as an intermediate species in the reaction of horseradish peroxidase mutant (Phe-221 → Trp) and hydrogen peroxide. <i>Journal of Biological Chemistry</i> , 1998 , 273, 14753-60	5.4	33
29	Spectroscopic characterization of recombinant pea cytosolic ascorbate peroxidase: similarities and differences with cytochrome c peroxidase. <i>Biochemistry</i> , 1998 , 37, 8080-7	3.2	41
28	Identification of two electron-transfer sites in ascorbate peroxidase using chemical modification, enzyme kinetics, and crystallography. <i>Biochemistry</i> , 1998 , 37, 17610-7	3.2	70
27	Energetics of Cation Radical Formation at the Proximal Active Site Tryptophan of Cytochrome c Peroxidase and Ascorbate Peroxidase. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 8221-8228	3.4	54
26	A study of the K(+)-site mutant of ascorbate peroxidase: mutations of protein residues on the proximal side of the heme cause changes in iron ligation on the distal side. <i>Journal of Biological Inorganic Chemistry</i> , 1999 , 4, 64-72	3.7	28
25	A Novel High Activity Cationic Ascorbate Peroxidase from Tea (<i>Camellia sinensis</i>) [A Class III Peroxidase with Unusual Substrate Specificity. <i>Journal of Plant Physiology</i> , 1999 , 154, 273-282	3.6	26
24	THE WATER-WATER CYCLE IN CHLOROPLASTS: Scavenging of Active Oxygens and Dissipation of Excess Photons. <i>Annual Review of Plant Biology</i> , 1999 , 50, 601-639		2923
23	The effects of an engineered cation site on the structure, activity, and EPR properties of cytochrome c peroxidase. <i>Biochemistry</i> , 1999 , 38, 5538-45	3.2	37
22	Detection of a tryptophan radical in the reaction of ascorbate peroxidase with hydrogen peroxide. <i>FEBS Journal</i> , 2001 , 268, 3091-8		45
21	Substrate binding and catalytic mechanism in ascorbate peroxidase: evidence for two ascorbate binding sites. <i>Biochemistry</i> , 2002 , 41, 13774-81	3.2	69
20	Designer haem proteins: What can we learn from protein engineering?. <i>Heteroatom Chemistry</i> , 2002 , 13, 501-505	1.2	4
19	Role of histidine 42 in ascorbate peroxidase. Kinetic analysis of the H42A and H42E variants. <i>FEBS Journal</i> , 2002 , 269, 3182-92		21
18	Engineering the proximal heme cavity of catalase-peroxidase. <i>Journal of Inorganic Biochemistry</i> , 2002 , 91, 78-86	4.2	23
17	Mechanisms of compound I formation in heme peroxidases. <i>Journal of Inorganic Biochemistry</i> , 2002 , 91, 27-34	4.2	121
16	Molecular biology and structure-function of lignin-degrading heme peroxidases. <i>Enzyme and Microbial Technology</i> , 2002 , 30, 425-444	3.8	325

15	Crystal structure of the ascorbate peroxidase-ascorbate complex. <i>Nature Structural and Molecular Biology</i> , 2003 , 10, 303-7	17.6	147
14	Compound I formation in artichoke (<i>Cynara scolymus</i> L.) peroxidase is modulated by the equilibrium between pentacoordinated and 6-aquo hexacoordinated forms of the heme and by calcium ions. <i>Biochemistry</i> , 2003 , 42, 8799-808	3.2	4
13	High-resolution crystal structures and spectroscopy of native and compound I cytochrome c peroxidase. <i>Biochemistry</i> , 2003 , 42, 5600-8	3.2	129
12	Comparison between catalase-peroxidase and cytochrome c peroxidase. The role of the hydrogen-bond networks for protein stability and catalysis. <i>Biochemistry</i> , 2004 , 43, 5792-802	3.2	28
11	Electrostatic control of the tryptophan radical in cytochrome c peroxidase. <i>Biochemistry</i> , 2004 , 43, 8826-34	3.4	57
10	Role of electrostatics and salt bridges in stabilizing the compound I radical in ascorbate peroxidase. <i>Biochemistry</i> , 2005 , 44, 14062-8	3.2	37
9	Ascorbate Peroxidase. 2007 , 87-100		12
8	Role of tryptophan-208 residue in cytochrome c oxidation by ascorbate peroxidase from <i>Leishmania major</i> -kinetic studies on Trp208Phe mutant and wild type enzyme. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008 , 1784, 863-71	4	29
7	An analysis of substrate binding interactions in the heme peroxidase enzymes: a structural perspective. <i>Archives of Biochemistry and Biophysics</i> , 2010 , 500, 13-20	4.1	57
6	Role of proximal methionine residues in <i>Leishmania major</i> peroxidase. <i>Archives of Biochemistry and Biophysics</i> , 2011 , 515, 21-7	4.1	5
5	Ascorbate peroxidase acts as a novel determiner of redox homeostasis in <i>Leishmania</i> . <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 746-54	8.4	14
4	The Nature and Reactivity of Ferryl Heme in Compounds I and II. <i>Accounts of Chemical Research</i> , 2018 , 51, 427-435	24.3	72
3	CHAPTER 7:Oxygen Activation and Long-range Electron Transfer in MauG. <i>2-Oxoglutarate-Dependent Oxygenases</i> , 2018 , 144-160	1.8	
2	Molecular Hydrogen Improves Rice Storage Quality via Alleviating Lipid Deterioration and Maintaining Nutritional Values. 2022 , 11, 2588		1
1	A sorghum ascorbate peroxidase with four binding sites has activity against ascorbate and phenylpropanoids.		0