



Front cover image: Active-site model of the *Paracoccus denitrificans* cytochrome c oxidase, refined with two independent oxygen atoms bound to the heme a_3 iron and the Cu_B , respectively. The refined O-O distance of 1.64 Å fits best to a peroxide molecule bridging the two metal centres, but is too short for a distinct water molecule and an OH^- ion, the reason for the two oxygen atoms to be connected by the red bond in the drawing. The protein model is represented as ball and stick with atoms coloured according to their type, electron densities are given in green wireframe at 1 σ . For further details, see contribution by Koepeke et al, pp. 635–645

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