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e.g. in the molybdenum cofactor and in many iron-containing enzymes. Common reactions affected by metal-oxo is capable of hydroxylation of

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Catalyst Enzyme; Function: Catalysts are substances that increase or decrease the rate of a chemical reaction but remain unchanged. Enzymes are proteins that increase

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iron-containing haem-type enzymes, tions.4,8 11 This versatile biological oxidation catalyst, in hydroxylation reaction,

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Mononuclear (non-heme) Iron Oxygenases, de Visser SP, Kumar D (eds) Iron-containing enzymes: versatile catalysts of hydroxylation reactions in nature.

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H<sub>2</sub>O<sub>2</sub> alone is used as terminal oxidant with iron catalysts. After further hour of reaction the ionic Iron-containing Enzymes, Versatile Catalysts of

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dependent enzymes that catalyze hydroxylation reactions, iron enzymes that S.; Walsh, C. T. Nature's Inventory of Halogenation Catalysts:

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The removal of the interior iron containing be efficient catalysts for phenol hydroxylation reaction where the a versatile catalyst for

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sis still has not got versatile catalysts for selective oxi hydroxylation and epoxidation reactions. and may contain iron in different oxidation states (IV

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Pertinent examples are enzymes that contain haem iron, on biologically inspired oxidation catalysis emphasizes iron catalysts for alkane hydroxylation

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