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Catalysis is the process of increasing the rate of a chemical reaction by adding a substance known as a catalyst (/ ˈkætəlɪs t /), which is not consumed in the catalyzed reaction and can continue to act repeatedly. Because of this, only very small amounts of catalyst are required to alter the reaction rate in principle. In general, chemical reactions occur faster in the presence of a ...

Catalysis - Wikipedia

Hydrogenation is meaning, to treat with hydrogen is a chemical reaction between molecular hydrogen (H₂) and another compound or element, usually in the presence of a catalyst such as nickel, palladium or platinum. The process is commonly employed to reduce or saturate organic compounds. Hydrogenation typically constitutes the addition of pairs of hydrogen atoms to a molecule, often an alkene.

Hydrogenation - Wikipedia

Description Filling the need for a ready reference that reflects the vast developments in this field, this book presents everything from fundamentals, applications, various reaction types, and technical applications.

Visible Light Photocatalysis in Organic Chemistry

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American Chemical Society - ACS Publications Home Page

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An open metal site metal-organic framework Cu(BDC) as a

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