

Catalyst Deactivation 1987 Proceedings Of The 4th International Symposium



Catalyst Deactivation 1987 Proceedings Of

The literature treating mechanisms of catalyst deactivation is reviewed. Intrinsic mechanisms of catalyst deactivation are many; nevertheless, they can be classified into six distinct types: (i) poisoning, (ii) fouling, (iii) thermal degradation, (iv) vapor compound formation accompanied by transport, (v) vapor-solid and/or solid-solid reactions, and (vi) attrition/crushing.

Mechanisms of catalyst deactivation - ScienceDirect

Research highlights We modeled kinetics of propane dehydrogenation. Model describes kinetics of dehydrogenation, cracking and deactivation. First C-H cleavage was identified as the rate determining step. Propene was identified as the main precursor for the coke formation. Hydrogen suppresses the coke formation.

Kinetics of propane dehydrogenation over Pt-Sn/Al₂O₃ ...

Asymmetric hydrogenation is a chemical reaction that adds two atoms of hydrogen preferentially to one of two faces of an unsaturated substrate molecule, such as an alkene or ketone. The selectivity derives from the manner that the substrate binds to the chiral catalysts. In jargon, this binding transmits spatial information (what chemists refer to as chirality) from the catalyst to the target ...

Asymmetric hydrogenation - Wikipedia

Phillip Savage and N. A. Rebacz, 2010, Water Under Extreme Conditions for Green Chemistry, John Wiley & Sons

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Don N. Futaba - nanocarbon.jp

The vast range of maximum lifespan differences between species provides convincing evidence that longevity is genetically influenced. An elephant lives about 10–20 times longer than a mouse, yet both animals have roughly the same number of lifetime heartbeats — the elephant at 30 per minute and the mouse at 300 per minute.

MECHANISMS OF AGING - Ben Best

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