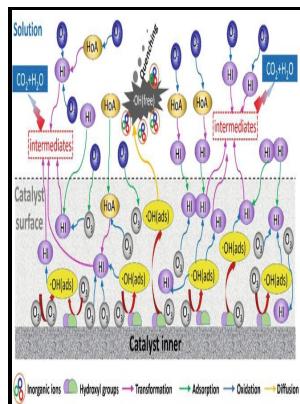


Catalytic processes and proven catalysts

Academic Press - Catalytic reforming



Description: -

Catalysts.

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Notes: Includes bibliographies.

This edition was published in 1970



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Tags: #Heterogeneous #catalysis

Catalysis Technology: Catalytic Process Development

Chemical Looping Selective Oxidation of H₂S using V₂O₅ Impregnated over Different Supports as Oxygen Carriers. The Journal of Physical Chemistry C 2019, 123(6), 3568–3578. Applied Catalysis B: Environmental 2021, 283, 119650.

Catalytic reforming

One can also use micro-kinetic modeling based on such scaling relations to take into account the kinetics associated with adsorption, reaction and desorption of molecules under specific pressure or temperature conditions.

Lecture Video 6 of Heterogeneous Catalysis and Catalytic Processes. by Prof K.K. Pant of IIT Delhi

The noble metals platinum and rhenium are considered to be catalytic sites for the dehydrogenation reactions and the chlorinated alumina provides the sites needed for isomerization, cyclization and hydrocracking reactions.

Catalysis Technology: Catalytic Process Development

By installing an oxidation catalyst before the SCR, it is possible to convert some NO to NO₂.

Wiley

The detailed treatment, which is beyond the scope of this course, can be found here. Doronkin, Yi Li, Ziyan Zhao, Shan Yu, Jan-Dierk Grunwaldt, Yuanhua Lin, Ying Zhou. Science of The Total Environment 2020, 711, 134819.

Selective Catalytic Reduction, DeNOX Catalyst

The other half of the iodine is now an iodonium ion I⁺ which displaces a proton from one of the methyl groups.

Related Books

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