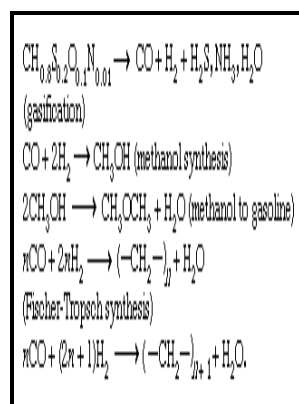


Carbon deposition on coal liquefaction catalysts.

University of Salford - Coal utilization



Description: -

- Carbon deposition on coal liquefaction catalysts.

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Notes: DSc thesis, Chemistry.

This edition was published in 1984



Filesize: 66.78 MB

Tags: #Mesoporous #carbon #prepared #from #direct #coal #liquefaction #residue #for #methane #decomposition

Coal mining

At high temperatures 500C and high pressures 25 atm, long-chain hydrocarbons break into smaller pieces. Particles of such materials are electroplated with a metal catalyst and are then suspended in a hydrocarbon oil and subjected to hydrogenolysis to liquefy the solid hydrocarbonaceous material.

Coal utilization

It can be used as the source of H₂ for the synthesis of ammonia, for example.

Mesoporous carbon prepared from direct coal liquefaction residue for methane decomposition

His work focuses on vision, cognition and gait in neurological disorders, examining how technology-based interventions influence these factors. Mass Spectrometric and Chemometric Studies of thermoplastic Properties of Coals Chapter 143.

Iron

The ratio of vacuum gas oil added in the feedstock is preferably 8-20%.

Coal liquefaction

The reaction produces heavy oils, middle oils, gasoline, and gases.

Influence of coal properties on coal conversion processes

EXAMPLE 2 Metals in the spent HDS-1442A catalyst from a similar H-Coal Process Run 130-88 before and after acid treatment are given in Table 3.

Coal mining

The process In the first-generation, indirect liquefaction process called Fischer-Tropsch synthesis, coal is gasified first in a high-pressure Lurgi gasifier, and the resulting synthesis gas is reacted over an -based catalyst either in a fixed-bed or fluidized-bed reactor. Fuel Processing Technology 2002, 79 1 , 51-62.

SIMS/XPS investigations on activated carbon catalyst supports (Journal Article)

The two most common forms are natural gas and crude oil. Nanoscale 2016, 8 31 , 14888-14897.

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