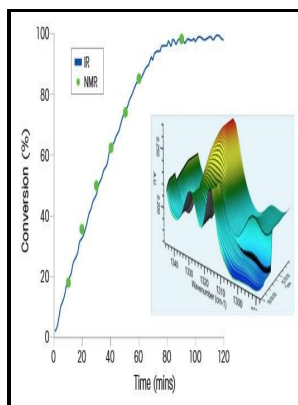


Kinetic and mechanistic studies of elementary atmospheric reactions

University of Birmingham - Kinetic and mechanistic studies of elementary atmospheric reactions (1985 edition)



Description: -

-Kinetic and mechanistic studies of elementary atmospheric reactions

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Notes: Thesis (Ph.D.) - University of Birmingham, Dept of Chemistry.

This edition was published in 1985



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Tags: #Mechanism#and#kinetic#study#of#the#reaction#of#benzoic#acid#with#OH, #NO3#and#SO4-#radicals#in#the#atmosphere

Laboratory Kinetic and Mechanistic Studies on the OH

The experimental reaction rates that were estimated were fitted to an empirical power-law rate expression from which the kinetic reaction orders with respect to CO, H₂O, CO₂, and H₂ were estimated to be 0.

Kinetic and mechanistic studies of elementary atmospheric reactions (1985 edition)

The Journal of Physical Chemistry C 2018, 122 18 , 9886-9898.

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Proceedings of the Combustion Institute 2017, 36 1 , 289-298.

17.5: Kinetics of Reactions in Solution

Ni catalysts were competitive in deoxygenation and helped reduce solid residue most substantially.

Kinetic and mechanistic studies of the water

The activity of Pt catalysts with 6 different types of TiO₂ supports varied during the reverse water—gas shift reaction. Mechanistic and kinetic study on the reaction of ozone and trans-2-chlorovinylchloroarsine. The influence of structure and surface chemistry of carbon materials on the decomposition of hydrogen peroxide.

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