

Synthesis Gas and Olefins  
from the  
Catalytic Autothermal Reforming of  
Volatile and Non-volatile Liquids

A DISSERTATION  
SUBMITTED TO THE FACULTY OF THE GRADUATE SCHOOL  
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BY

Bradon Justin Dreyer

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DOCTOR OF PHILOSOPHY

Larry D. Schmidt, Adviser

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# Synthesis Gas And Olefins From The Catalytic Autothermal Reforming Of Volatile And Non-volatile Liquids

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**Summary :** Free synthesis gas and olefins from the catalytic autothermal reforming of volatile and non-volatile liquids pdf download - the research presented in this thesis develops an understanding of a clean energy process technology catalytic partial oxidation cpo cpo is a process in which a carbon containing fuel such as a hydrocarbon is passed over a noble metal catalyst e g rhodium and platinum to efficiently generate synthesis gas h<sub>2</sub> and co and olefins e g ethylene and propylene in millisecond contact times

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**activities within the framework of team 3 - umb** - catalytic autothermal reforming of ... partial oxidation of non-volatile liquids. ... -fuel gas -synthesis gas to