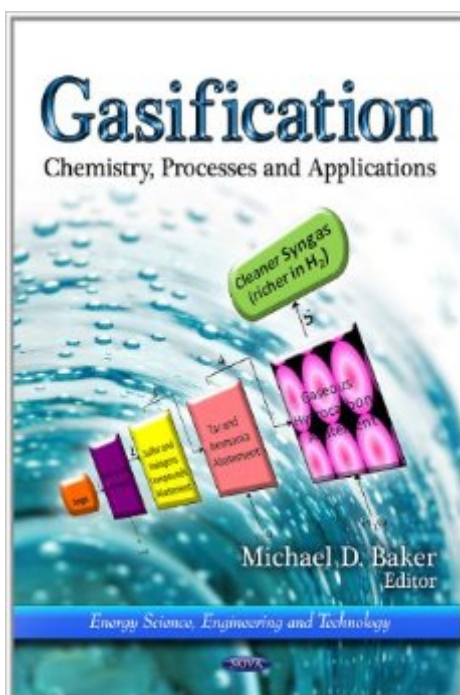


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# Gasification: Chemistry, Processes And Applications (Energy Science, Engineering And Technology)



## Synopsis

This book presents current research in the study of the chemistry, processes and application of gasification processes. Topics discussed include experimental activities in a flexible gasification pilot plant; water gas shift and membrane reactor studies for the production of a hydrogen-rich stream in steam-oxygen gasification processes; the development of a dynamic model for a stratified downdraft wood gasifier; gasification of biomass for the production of syngas with reduced tar formation; and, the System Biomass Gasifier and its operation and the study of the catalytic effect of magnetite in the gasification of chars from lignite/rubber mixtures.

## Book Information

Series: Energy Science, Engineering and Technology

Hardcover: 368 pages

Publisher: Nova Science Publishers, Inc. (April 1, 2011)

Language: English

ISBN-10: 1612096816

ISBN-13: 978-1612096810

Product Dimensions: 1 x 7 x 10 inches

Shipping Weight: 5.4 pounds (View shipping rates and policies)

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