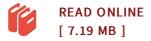




Tin Nano Catalyst for Bayer-Villiger Oxidation Reaction

By Srilatha Konda

LAP Lambert Academic Publishing Apr 2015, 2015. Taschenbuch. Book Condition: Neu. 220x150x5 mm. This item is printed on demand - Print on Demand Neuware - Highly ordered mesoporous SBA-15 silica material was synthesized under hydrothermal conditions using P123 as template and tetraethyl orthosilicate as silica source. Tin nanoparticles were deposited on the pore surfaces of Si-SBA-15 support post synthetically using SnCl4 as tin source. Tin containing SBA-15 catalysts were also prepared by direct synthesis using SnCl4 and SBA-15 precursors under hydrothermal conditions. These Sn-SBA-15 catalysts were further modified by adding trifluromethane sulfonic acid (F3CH-SO3H). These Sn-SBA-15-OTf catalysts were characterized by low angle XRD and N2 adsorption-desorption techniques to investigate the structural intactness of SBA-15 after every modification. The deposition of Sn, its crystalline behavior, particle size, local environments and morphological aspects were characterized by FT-IR, XRD, UV-vis, XPS and SEM techniques respectively. The loading amount of Tf-OH was confirmed by CHNS analysis. Sn-SBA-15-OTf catalyst was found to be highly active and selective towards the Baeyer-Villiger oxidation of cyclohexane to caprolactone in the liquid phase as heterogeneous catalyst. 88 pp. Englisch.



Reviews

A brand new e book with a new perspective. I could comprehended every little thing using this written e publication. I am quickly will get a satisfaction of reading through a written ebook.

-- Clemmie Rolfson

It in one of my favorite book. Sure, it is actually engage in, nonetheless an interesting and amazing literature. I am happy to let you know that this is basically the finest book i have got study inside my very own existence and might be he finest publication for ever.

-- Randal Reinger

Relevant PDFs



Found around the world: pay attention to safety(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: 2013-04-01 Pages: 24 Publisher: Popular Science Press How to ensure online safety? Why not talk to strangers...



Prevent-Teach-Reinforce for Young Children: The Early Childhood Model of Individualized Positive Behavior Support

Brookes Publishing Co. Paperback. Book Condition: new. BRAND NEW, Prevent-Teach-Reinforce for Young Children: The Early Childhood Model of Individualized Positive Behavior Support, Glen Dunlap, Kelly Wilson, Phillip S. Strain, Janice K. Lee, "Learn more about the insights in this book in online...



Environments for Outdoor Play: A Practical Guide to Making Space for Children (New edition)

SAGE Publications Ltd. Paperback. Book Condition: new. BRAND NEW, Environments for Outdoor Play: A Practical Guide to Making Space for Children (New edition), Theresa Casey, 'Theresa's book is full of lots of inspiring, practical, 'how to go about it ideas' coupled with...



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications.

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****. This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the...



Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age

Adams Media Corporation. Paperback. Book Condition: new. BRAND NEW, Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age, David Dutwin, TV. Web Surfing. IMing. Text Messaging. Video Games. iPods. Kids today are plugged into...



Eighth grade - reading The Three Musketeers - 15 minutes to read the original ladder-planned

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 124 Publisher: China Electric Power Press Pub. Date: 2010-8-1. Contents: The first pass through the foundation of your business...