



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 SnCl_4 as tin source. Tin containing SBA-15 catalysts were also prepared by direct synthesis using SnCl_4 and SBA-15 precursors under hydrothermal conditions. These Sn-SBA-15 catalysts were further modified by adding trifluoromethane sulfonic acid ($\text{F}_3\text{CH-SO}_3\text{H}$). These Sn-SBA-15-OTf catalysts were characterized by low angle XRD and N_2 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.



READ ONLINE
[6.6 MB]

Reviews

It is easy in read through easier to fully grasp. it had been writtern very completely and useful. I am pleased to let you know that here is the greatest book we have read during my personal life and could be he very best book for possibly.

-- Miss Marge Jerde

It is really an remarkable publication i actually have possibly study. It usually is not going to cost excessive. Its been written in an exceedingly basic way and is particularly only right after i finished reading this publication through which basically transformed me, affect the way i think.

-- Dr. Breana O'Kon

Other Kindle Books



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG, Eignungstest für das Medizinstudium, Adult Attachment Interview,...



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers who are new to computer programming. Although...



Yearbook Volume 15

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 58 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without...



Studyguide for Introduction to Early Childhood Education: Preschool Through Primary Grades by Jo Ann Brewer ISBN: 9780205491452

2011. Softcover. Book Condition: New. 6th. 8.25 x 11 in. Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights, and quizzes for your textbook with optional...



Studyguide for Constructive Guidance and Discipline: Preschool and Primary Education by Marjorie V. Fields ISBN: 9780136035930

2009. Softcover. Book Condition: New. 5th. 8.25 x 11 in. Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights, and quizzes for your textbook with optional...



Studyguide for Preschool Appropriate Practices by Janice J. Beaty ISBN: 9781428304482

2011. Softcover. Book Condition: New. 3rd. 8.25 x 11 in. Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights, and quizzes for your textbook with optional...