

# AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL CATALYST: Research Monograph



Heterogeneous asymmetric catalysis remains as an exciting research field in chiral catalysis since the heterogeneous catalyst can be separated easily from the reaction mixture compare to conventional homogeneous catalyst. The aim of the research is to develop and investigate a novel heterogeneous asymmetric catalyst using amino acid as chiral promoter. The catalysts were synthesized by attachment of amino acids such as L-glutamic acid, L-leucine and L-phenylalanine onto the hydrophilic part of hydrolyzed octadecyltrichlorosilane (OTS). The amino acidhydrolyzed OTS materials were used as catalysts for the asymmetric hydration of epoxycyclohexene to yield two diastereoisomers, namely (1R,2R)-trans-1,2-cyclohexanediol, (1S,2S)-trans-1,2-cyclohexanediol and cis-1,2-cyclohexanediol.

[\[PDF\] The Whisper: A Spiritual Guide to Inner Peace](#)

[\[PDF\] Journal de Correspondances, Et Voyages D Italie Et D Espagne. T. 3 \(Religion\) \(French Edition\)](#)

[\[PDF\] Bifurcations, Instabilities and Degradations in Geomaterials \(Springer Series in Geomechanics and Geoengineering\)](#)

[\[PDF\] Inorganic Chemistry](#)

[\[PDF\] Negus and Naima: Insects On The Farm \(Read Me To Sleep Mom! Bedtime Stories Book 1\)](#)

[\[PDF\] About Building \(First Readers\)](#)

[\[PDF\] The Upper Room](#)

**AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL** Molecular Weight of Keratin, Amino Acids in Psoriatic patients by HPLC. Molecular Weight of Keratin, Identification Omni badge **AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL CATALYST**. Research Monograph. Chemistry. **amino acids functionalized heterogeneous chiral catalyst - AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL CATALYST** Heterogeneous asymmetric catalysis remains as an exciting research field in chiral catalysis since the heteroge. Research Monograph. **heterogeneous chiral catalyst derived from hydrolyzed - Hadi Nur** Monograph H. Nur, L. K. Wei, Amino Acids Functionalized Chiral Catalyst, Lambert Academic Publishing, Saarbrücken, H. Nur, Better (and happy) life through heterogeneous catalysis research, Penerbit UTM, 2011. - **Central Salt & Marine Chemicals Research Institute** The catalysts were synthesized by attachment of amino acids such as L-glutamic acid, L-leucine Research Monograph catalysis remains as an exciting research field in chiral catalysis since the heterogeneous catalyst **Amino Acids Functionalized Chiral Catalyst Hadi Nur -** Molecular Weight of Keratin, Amino Acids in Psoriatic patients by HPLC. Molecular Weight of Keratin, Omni badge **AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL CATALYST**. Research Monograph. LAP LAMBERT **Amino Acids Functionalized Heterogeneous Chiral Catalyst Hadi** **AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL CATALYST: Research Monograph** by Hadi Nur Free PDF Download Online e **Search**

**results for amino acids - MoreBooks!** Buy AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL CATALYST: Research Monograph on ? FREE SHIPPING on qualified orders. **amino acids functionalized heterogeneous chiral catalyst - MoreBooks!** 2011?7?4? AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL CATALYST. Research Monograph. LAP LAMBERT Academic Publishing **Amino Acids Functionalized Heterogeneous Chiral Catalyst** Amino Acids Functionalized Heterogeneous Chiral Catalyst. 81 Pages FUNCTIONALIZED BY AMINO ACIDS RESEARCH MONOGRAPH Prof. Dr. Hadi Nur **amino acids functionalized heterogeneous chiral catalyst - MoreBooks!** AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL CATALYST. Research Monograph Titeltzusatz: Research Monograph. Autor: Nur, Hadi **Search results for amino acids - MoreBooks!** HETEROGENEOUS CHIRAL CATALYST. Omni badge AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL CATALYST. Research Monograph. **amino acids functionalized heterogeneous chiral catalyst research** Hadi Nur, Lim - AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL CATALYST: Research Monograph jetzt kaufen. ISBN: 9783845407586 **AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL** Homogeneous catalysis Coordination chemistry Chiral catalysis, Bioinorganic Chemistry [17] Heterogeneous Chiral Copper Complexes of Amino Alcohol for Asymmetric [31] Sulfonic acid functionalized mesoporous SBA-15 as an efficient and .. A monograph entitled, Recent developments in asymmetric C-C bond **AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL** Amino Acids Functionalized Heterogeneous Paperback. Heterogeneous asymmetric catalysis remains as an exciting research field in chiral catalysis since the **AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL** Molecular Weight of Keratin, Amino Acids in Psoriatic patients by HPLC. Molecular Weight of Keratin, Identification Omni badge AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL CATALYST. Research Monograph. Chemistry. **Search results for Amino Acids - MoreBooks!** **AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL** Amino Acids Functionalized Heterogeneous Chiral Catalyst - Lim Kheng Wei#Hadi Research Monograph Heterogeneous asymmetric catalysis remains as an **y - Central Salt & Marine Chemicals Research Institute** The catalysts were synthesized by attachment of amino acids such as L-glutamic acid, L-leucine Research Monograph catalysis remains as an exciting research field in chiral catalysis since the heterogeneous catalyst **AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL** The catalysts were synthesized by attachment of amino acids such as L-glutamic acid, L-leucine Research Monograph catalysis remains as an exciting research field in chiral catalysis since the heterogeneous catalyst **amino acids functionalized heterogeneous chiral catalyst - MoreBooks!** 17 mar. 2014 Amino Acids Functionalized Heterogeneous Chiral Catalyst: Research Monograph (Hadi Nur) ISBN: 9783845407586 - This item is printed on **9783845407586 - Nur, Hadi / Kheng Wei, Lim - AMINO ACIDS** AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL CATALYST Research Monograph in Livres, BD, revues, Non-fiction, Ingenierie et technologie **AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL** AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL CATALYST. Research Monograph Titeltzusatz: Research Monograph. Autor: Nur, Hadi **Amino Acids Functionalized Heterogeneous Chiral Catalyst - 3Post** Graduate and Research Centre, Department of Chemistry, R. A. Sheldon and R. S. Downing, Heterogeneous catalytic .. Catalytic asymmetric synthesis of chiral 4-substituted 2-oxetanones, . acid-catalyzed route to functionalized ?-amino acids, Journal of the American Chemical Society, vol. **AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL** The aim of the research is to develop and investigate a novel heterogeneous asymmetric catalyst using amino acid as chiral **AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL CATALYST RESEARCH MONOGRAPH (2011) AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL** AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL CATALYST: Research Monograph Paperback Jul 4 2011. by Hadi Nur (Author), Lim Kheng 17. Marz 2014 Amino Acids Functionalized Heterogeneous Chiral Catalyst: Research Monograph (Hadi Nur) ISBN: 9783845407586 - This item is printed **AMINO ACIDS FUNCTIONALIZED HETEROGENEOUS CHIRAL** Hadi Nur. HETEROGENEOUS CHIRAL CATALYST DERIVED FROM HYDROLYZED FUNCTIONALIZED BY AMINO ACIDS RESEARCH MONOGRAPH Prof.