



Advances in catalysis.

Eley, D. D. (1911-)
Pines, Herman (1902-1996.)
Weisz, Paul B. (1921-)

Academic Press,
1985

Electronic books

Monografía

ADVANCES IN CATALYSIS VOLUME 33

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU5Nzk2NDM>

Título: Advances in catalysis. Volume 33 [electronic resource] edited by D. D. Eley, Herman Pines, Paul B. Weisz

Editorial: Orlando, FL London Academic Press 1985

Descripción física: 1 online resource (409 p.)

Mención de serie: Advances in catalysis v. 33

Nota general: Description based upon print version of record

Contenido: Front Cover; Advances in Catalysis, Volume 33; Copyright Page; Contents; Contributors; Paul Hugh Emmett, 1900-1985; Chapter 1. Homogeneous Nickel-Catalyzed Olefin Hydrocyanation; I. Introduction and Scope; II. Equilibria Involving Ni(0) Complexes; III. Dienes and HCN; IV. Olefin Isomerization; V. Monoolefins and HCN; References; Chapter 2. Supported Chromium Catalysts for Ethylene Polymerization; Introduction; I. Hexavalent Cr/Silica; II. Reduced Cr/Silica; III. Polymerization over Cr/Silica; IV. The Porosity of the Support; V. Modifications of Cr/Silica; VI. Chromium Oxide on Other Support VII. Organochromium CatalysisReferences; Chapter 3. Catalysis Controlled by the Constitution of Active Sites; I. Introduction; II. Isomerization Reaction; III. Hydrogen Exchange Reaction; IV. Hydrogenation Reaction; V. Conclusion; References; Chapter 4. Selective Oxidative Dehydrogenation of Butenes on Ferrite Catalysts; I. Introduction; II. Selective Oxidation and Combustion Sites; III. Densities of Oxidation Sites; IV. Role of Adsorbed Oxygen; V. Role of Lattice Oxygen; VI. Kinetics and Mechanism VII. Factors Affecting Selectivity: Roles of Crystal Structure, Nature of Transition Metal Ions, and Effect of PromotersVIII. Effect of Crystallite Size; IX. Other Structure-Sensitive Oxidation Reactions; X. Catalytic Activity of Iron Hydroxide; XI. Conclusions; References; Chapter 5. The Study of Aluminosilicate and Related Catalysts by High- Resolution Solid-state NMR Spectroscopy; I. Introduction; II. Relevant Spectroscopic

Considerations; III. Solide-State NMR Studies of Zeolites; IV. Silica-Alumina Gels; V. Derivatized Surfaces and ""Immobilized"" Homogeneous Catalysts VI. Probing Supported Metal Catalysts by NMR without Utilizing High-Resolution TechniquesVII. Bond Lengths, Structure, and Mechanism in Heterogeneous Catalysis and in Chemisorbed States; VIII. Sheet Silicates and Their Pillared Variants; IX. Recent Trends in the Study of Catalytic Solids by NMR; References; Author Index; Subject Index

Lengua: English

ISBN: 1-281-73897-2 9786611738976 0-08-056537-9

Materia: Catalysis Activation (Chemistry)

Autores: Eley, D. D. (1911-) Pines, Herman (1902-1996.) Weisz, Paul B. (1921-)

Enlace a serie principal: Advances in catalysis (CKB)954926975030 (DLC)2011233057 (OCoLC)61764781

Enlace a formato físico adicional: 0-12-007833-3

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es