



Advances in catalysis and related subjects.

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

Academic Press,
1969

Electronic books

Monografía

ADVANCES IN CATALYSIS VOLUME 20

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhemF0ei5yZW4vMjU5NzY3MjM>

Título: Advances in catalysis and related subjects. Volume 20 [electronic resource] edited by D.D. Eley, Herman Pines, Paul B. Weisz

Editorial: New York Academic Press 1969

Descripción física: 1 online resource (457 p.)

Mención de serie: Advances in catalysis and related subjects 20

Nota general: Description based upon print version of record

Contenido: Front Cover; Advances in Catalysis and Related Subjects, Volume 20; Copyright Page; Contents; Contributors; Preface; Contents of Previous Volumes; Chapter 1. Chemisorptive and Catalytic Behavior of Chromia; I. Introduction; II. Preparation of Chromia; III. Surface Coordinative Unsaturation; IV. Oxidation and Reduction of Surface Cr³⁺; V. Possible Forms of Chemisorption on Chromia; VI. Chemisorption on Chromia as a Function of Activation; VII. Results of Catalytic Experiments; VIII. Processes in the Hydrogenation of Hexenes and in Isotopic Exchange; IX. The Nature of Active Sites X. Chemical Mechanism Appendix A. Spectra of Chromias; Appendix B. Impurities in Chromia; References; Chapter 2. Correlation among Methods of Preparation of Solid Catalysts. Their Structures, and Catalytic Activities; I. Introduction; II. Traditional Methods of Preparation of Supported Nickel Catalyst; III. Superhomogeneous Coprecipitation (SHCP) Method; IV. Cation-Exchange Method; V. Palladium on Aluminosilicate by Complex-Ion Exchange; VI. Palladium on Active Charcoal; VII. Nickel-Phosphorus Alloy; VIII. Conclusion; References; Chapter 3. Catalytic Research on Zeolites; I. Introduction II. Determination of the Catalyst Stability on Dehydration III. Kinetic Studies on the Nature of Cracking Sites; IV. Experimentation; V. Experimental Results; References; Chapter 4. Catalysis by Supported Metals; I. Introduction;

II. Interaction between Metal and Support; III. Surface Area of the Metal; IV. Structure-Insensitive or Facile Reactions; V. Structure-Sensitive or Demanding Reactions; VI. Conclusion; References; Chapter 5. Carbon Monoxide Oxidation and Related Reactions on a Highly Divided Nickel Oxide; I. Introduction; II. Preparation and Properties of a Highly Divided Nickel Oxide III. Chemisorptions on Pure Nickel Oxide IV. Surface Interactions between Gases and Adsorbed Species; V. Room-Temperature Oxidation of Carbon Monoxide; VI. Room-Temperature Oxidation of Carbon Monoxide on Doped Nickel Oxides; VII. High-Temperature (200°) Oxidation of Carbon Monoxide on Nickel Oxide; VIII. Decomposition of Nitrous Oxide on a Highly Divided Nickel Oxide at 250°; IX. Conclusions; References; Chapter 6. Acid-Catalyzed Isomerization of Bicyclic Olefins; I. Introduction; II. Experimental; III. Isomerizations in the C₈H₁₂ Series; IV. Isomerizations in the C₉H₁₄ Series V. Isomerizations in the C₁₀H₁₆ Series VI. Discussion; References; Chapter 7. Molecular Orbital Symmetry Conservation in Transition Metal Catalysis; I. Introduction; II. Cycloaddition Reactions; III. Electrocyclic Reactions; IV. Sigmatropic Transformations; V. Summary and Conclusions; References; Chapter 8. Catalysis by Electron Donor-Acceptor Complexes; I. Introduction; II. EDA Complexes of Phthalocyanines; III. Anthracene-Sodium Complexes; IV. Catalytic Hydrogenation over EDA Complexes; V. EDA Complexes with Organic Electron Donors; VI. Photocatalysis over EDA Complexes; References Chapter 9. Catalysis and Inhibition in Solutions of Synthetic Polymers and in Micellar Solutions

Lengua: English

ISBN: 1-281-70941-7 9786611709419 0-08-056524-7

Materia: Catalysis Chemistry, Physical and theoretical

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: 0-12-007820-1

Baratz Innovación Documental

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