



Advances in catalysis and related subjects.

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

Academic Press,
1967

Electronic books

Monografía

ADVANCES IN CATALYSIS VOLUME 17

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU5NzY3MTk>

Título: Advances in catalysis and related subjects. 17 [electronic resource] edited by D.D. Eley, Herman Pines, Paul B. Weisz

Editorial: New York Academic Press 1967

Descripción física: 1 online resource (461 p.)

Mención de serie: Advances in catalysis and related subjects 17

Nota general: Description based upon print version of record

Contenido: Front Cover; Advances in Catalysis, Volume 17; Copyright Page; Contents; Contributors; Preface; Contents of Previous Volumes; Chapter 1. On the Theory of Heterogeneous Catalysis; I. Introduction; II. Elementary Reaction Rate; III. Theory of Steady Reaction; IV. Application to the Analysis of Steady Reaction; V. Application to the Temperature Dependence of Steady Reaction Rate; References; Chapter 2. Linear Correlations of Substrate Reactivity in Heterogeneous Catalytic Reactions; I. Introduction; II. General Features of Linear Free-Energy Relationships III. Limitations Introduced by Solid Catalysts IV. Linear Correlations of Published Data; V. Discussion; List of Symbols; References; Chapter 3. Application of a Temperature-Programmed Desorption Technique to Catalyst Studies; I. Introduction; II. Experimental Arrangement; III. Active Sites for Olefin Chemisorption; IV. Heats of Desorption and Surface Heterogeneity; V. Study of Surface Reactions; VI. Conclusions; References; Chapter 4. Catalytic Oxidation of Olefins; I. Introduction; II. Ethylene Oxide; III. Dienes and Aldehydes; IV. Acids; V. Oxidation to CO₂; VI. Terminology; References Chapter 5. The Physical-Chemical Properties of Chromia-Alumina Catalysts I. Introduction; II. Background; III. Surface Chemistry of Chromia-Alumina Catalysts; IV. X-Ray Diffraction Studies of Chromia-Alumina Catalysts; V. Magnetochemistry of

Chromia-Alumina Catalysts; VI. Electron Spin Resonance of Chromia-Alumina Catalysts; VII. Nuclear Magnetic Resonance of Chromia-Alumina Catalysts; VIII. Optical Reflectance Spectroscopy of Chromia-Alumina Catalysts; IX. Electrical Properties of Chromia-Alumina Catalysts; X. Over-all Structure of Chromia-Alumina Catalysts; References Chapter 6. Catalytic Activity and Acidic Property of Solid Metal Sulfates I. Introduction; II. Acidic Property of Metal Sulfates; III. Structure of Acid Centers; IV. Reactions Catalyzed by Metal Sulfates; V. Catalytic Activity and Acidic Property; VI. Conclusions; References; Chapter 7. Electrocatalysis; I. Introduction; II. Electrocatalysis? a Special Case of Heterogeneous Catalysis; III. Determinations of Mechanisms of Electrocatalytic Reactions; IV. Some Examples of Mechanism Determination; V. Phenomenology of Electrocatalysis VI. Comparison of Rates of Reactions Carried Out Chemically and Electrochemically VII. Special Features of Electrocatalysis; References; Author Index, Volume 17; Subject Index, Volume 17; Cumulative Author Index, Volumes 1-16; Cumulative Subject Index, Volumes 1-16

Lengua: English

ISBN: 1-281-70940-9 9786611709402 0-08-056521-2

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: 0-12-007817-1

Baratz Innovación Documental

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