



## Advances in catalysis.

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

Academic Press,  
 1981

Electronic books

Monografía

ADVANCES IN CATALYSIS VOLUME 30

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbgVlcmF0aW9uOmVzLmJhemF0ei5yZW4vMjU5Nzk2Mzg>

**Título:** Advances in catalysis. Volume 30 [electronic resource] edited by D.D. Eley, Herman Pines, Paul B. Weisz

**Editorial:** New York Academic Press 1981

**Descripción física:** 1 online resource (435 p.)

**Mención de serie:** Advances in catalysis 30

**Nota general:** Description based upon print version of record

**Contenido:** Cover; Copyright; Contents; Contributors; Preface; Juro Horiuti (1901-1979); Chapter 1. Mechanisms of Skeletal Isomerization of Hydrocarbons on Metals; I. Introduction; II. Approaches to Mechanisms of Skeletal Rearrangements; III. Bond Shift; IV. Cyclic Mechanism; V. Hydrocracking; VI. Aromatization; VII. Skeletal Rearrangements of More Complex Molecules; VIII. Correlation between Metal Particle Size and Reaction Mechanisms; References; Chapter 2. Tin-Antimony Oxide Catalysts; I. Introduction; II. Properties of the Catalyst III. Influence of Bulk and Surface Properties on Catalytic Performance IV. Conclusions; References; Chapter 3. Selective Oxidation and Amoxidation of Propylene by Heterogeneous Catalysis; I. Introduction; II. Discussion; III. Summary and Conclusions; References; Chapter 4. Mechanism of Hydrocarbon Synthesis over Fischer-Tropsch Catalysts; I. Introduction; II. Product Distribution under Steady-State Conditions; III. Kinetics; IV. Surface Spectroscopy; V. Hydrocarbon Synthesis via Predeposited Carbide Carbon; VI. Fischer-Tropsch Synthesis via Carbide Intermediates VII. Suggestions for Future Research References; Chapter 5. Surface Reactions and Selectivity in Electrocatalysis; I. Introduction; II. The Art of Electrocatalysis; III. Basic Electrocatalytic Concepts; IV. Adsorption on Electrocatalysts; V. Electrocatalytic Factors; VI. Electrocatalytic Selectivity; VII. Electrocatalytic Reactions and Mechanisms; VIII. Techniques in Electrocatalytic Studies; IX. Electrochemical

Reaction Engineering; X. Conclusions; References; Chapter 6. Solvent and Structure Effects in Hydrogenation of Unsaturated Substances on Solid Catalysts; I. Introduction II. Kinetics of Catalytic Hydrogenations in the Liquid Phase III. Correlation Equations Describing the Effect of Structure of Reacting Compounds and Solvents on Reaction Kinetics; IV. Hydrogenation of Olefinic Substrates; V. Relationships between the Effect of Structure of Substrates and Solvents on Reactivity; VI. Conclusion; VII. List of Symbols; References; Author Index; Subject Index; Contents of Previous Volumes

**Lengua:** English

**ISBN:** 1-281-44230-5 9786611442309 0-08-056534-4

**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:** 0-12-007830-9

---

### **Baratz Innovación Documental**

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