



Advances in catalysis and related subjects.

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

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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

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