

Book review

Fundamental Research in Homogeneous Catalysis, Volume 4. M. Graziani and M. Giongo, editors. Plenum Press, New York, 1984, ix + 208 pages, \$42.50. ISBN 0-306-41512-7.

The present volume is a collection of the plenary lectures given at the Third International Symposium on Homogeneous Catalysis, Milan, September 1982. It comprises the following chapters, with authors page numbers and references shown in parentheses: Do We Know the Mechanism of Hydroformylation? (L. Markò, 18 pages, 30 refs.); Supported Clusters and Mechanism of CO Reduction (J.M. Basset, B. Besson, A. Choplin, F. Hughes, M. Leconte, D. Rojas, A.K. Smith, A. Theolier, Y. Chauvin, D. Commereuc, R. Psaro, R. Ugo, and G.M. Zanderighi, 35 pages, 58 refs.); Metal Nitro Complexes as Oxygen Transfer Agents: Selective Oxidations of Organic Substrates by Molecular Oxygen (F. Mares and S.E. Diamond, 23 pages, 48 refs.); Catalysis of Transition Metal Complexes under Phase Transfer Conditions (H. Alper, 17 pages, 58 refs.); Hydrido-(phosphine)ruthenates: Catalytic Analogs of Lithium Aluminium Hydride (G.P. Pez and R.A. Grey, 20 pages, 31 refs.); Organo-palladium and -molybdenum Intermediates: Chemical Chameleons (B.M. Trost, 13 pages, 28 refs.); The Impact of Transition Metal-Based Homogeneous Catalysis in Industrial Processes (W. Keim, 14 pages, 14 refs.); Asymmetric Isomerization of Allylamines (S. Otsuka, 5 pages, 4 refs.); Organometallic Compounds in the Preparation of Supported Catalysts for Polymerization and Other Reactions (Yu.I. Yermakov, 22 pages, 53 refs.); and The Role of Transition Metal Salts in One Electron Transfer Organic Reaction (F. Minisci, 32 pages, 36 refs.).

It is clear that the authors are acknowledged experts in their fields; however, it is unlikely that any of their contributions will not have been found elsewhere in the regular literature. They vary from rather specialist research papers to reviews.

The book is reproduced from a camera-ready manuscript, which while not particularly attractive, has at any rate been prepared on the same typewriter, presumably in the editor's office.