

Book Review

Inorganic Syntheses. Volume 28. Reagents for Transition Metal Complex and Organometallic Syntheses

Edited by Robert J. Angelici (Iowa State University), published by Wiley, New York, 1990, XXIII + 463 pp., £43.65, ISBN 0-471-52619-3.

This volume of *Inorganic Syntheses* is dedicated to Professor Fred Basolo and recognizes his work in the field of transition metal complexes.

This special volume focuses on compounds that are likely to be useful as starting materials for the preparations of new transition metal coordination and organometallic complexes.

The present volume contains 90 preparations, many with directions for several compounds of a type and continues the pattern established in previous volumes. These are subdivided into sections on complexes with weakly coordinated ligands (16 preparations), low-valent complexes of Rh, Ir, Ni, Pd and Pt (19 preparations), substituted metal carbonyl complexes (13 preparations), metal carbonyl anion complexes (6 preparations), metal

cluster complexes (9 preparations), cyclopentadienyl complexes (8 preparations), lanthanide and actinide complexes (4 preparations), ligands and other transition metal complexes (15 preparations).

Most of the syntheses are taken from previous volumes of *Inorganic Syntheses*; however in several instances, experimental procedures were modified. There are nine totally new syntheses. The volume includes an Index of Contributors, a Subject Index, and a Formula Index. These latter two indexes constitute also the Cumulative Index for Volumes 26–30.

This book is a remarkably complete survey of the syntheses of basic transition metal complexes. We believe this book qualifies as one of the many 'classics' on the syntheses of transition metal complexes that should be on the shelves of most chemical organometallists. Volume 28, like its predecessors, admirably fulfils its goals.

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