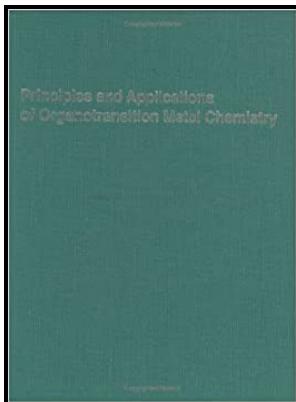


Organotransition metal chemistry applications to organic synthesis

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- Transition metal compounds.
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- Notes: Includes index.
- This edition was published in 1983



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Possible mechanisms of numerous catalytic reactions, including the transformation of organic molecules over acidic catalysts via the carboionic mechanism, are discussed using the spectroscopic identifications of reaction intermediates. A systematic, readable treatment of organotransition metal chemistry that provides students, teachers, and practicing chemists with an understanding of basic concepts in catalysis and synthetic procedures using transition metal reagents. Clusters were defined by Cotton to be species containing metal-metal bonding.

Book Reviews: Organotransition Metal Chemistry: Applications to Organic Synthesis

This unique book provides an introduction to organometallic chemistry for chemists who have little or no experience in the field, describes the work that has already been done using organotransition metal complexes for synthesis, and indicates to organic and organometallic chemists the type of synthetic problems that can be solved using organometallic compounds.

Organotransition Metal Chemistry, Volume 2

Cotton and his co-workers of the existence of metal-metal quadruple bonds. Synthetic utility is clearly biased towards catalytic rather than stoichiometric reactions.

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Examples of de novo syntheses of natural product molecules are used to illustrate the application of established reactivity patterns to organic synthesis. We hope you are as well! I undertook to write this book in order to give a birds-eye view of the broad field of organotransition metal

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Rules governing asymmetric synthesis with organotransition metal complexes

. Valuable and informative comprehensive reviews in the field of organometallic chemistry are also covered in this volume. Numerous organotitanium reagents are produced by combining titanium tetrachloride, titanium tetraalkoxides, or mixtures thereof with organolithium, organomagnesium, and organozinc compounds.

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