



# The Organometallic Chemistry of the Transition Metals

By Robert H. Crabtree



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Fully updated and expanded to reflect recent advances, the sixth edition of this bestselling text provides students and professional chemists with a comprehensive introduction to the principles and general properties of organometallic compounds, as well as including practical information on reaction mechanisms and detailed descriptions of contemporary applications. Increased focus is given to organic synthesis applications, nanoparticle science, and green chemistry.

This edition features:

- New sections on Multifunctional Ligands, Oxidation Catalysis, and Green Chemistry
- Expanded discussion on topics from the fifth edition: Supramolecular Chemistry, N-Heterocyclic Carbenes, Coupling Reactions, Organometallic Materials, Applications to Organic Synthesis, and Bioorganometallic Chemistry
- End-of-chapter problems and their solutions

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## The Organometallic Chemistry of the Transition Metals By Robert H. Crabtree Bibliography

- Sales Rank: #155171 in Books
- Brand: imusti
- Published on: 2014-04-21
- Original language: English
- Number of items: 1
- Dimensions: 9.20" h x 1.30" w x 6.20" l, .0 pounds
- Binding: Hardcover
- 520 pages

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