

<<The Organometallic C>>

图书基本信息

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内容概要

There have been a number of notable advances in the field of organometallic chemistry over the past decade. Transition metal organometallic chemistry has provided researchers – especially those working in the pharmaceuticals, natural product synthesis, and polymer industries – with powerful new synthetic tools, and the field has expanded to include life science aspects, such as metalloenzymes involving organometallic intermediates and nanotechnology, such as nanoparticles and giant molecules. Fully updated and expanded to reflect recent advances, this Fourth Edition of the classic text provides students and professional chemists with a comprehensive introduction to the principles and general properties of organometallic compounds. It also supplies a wealth of practical information about relevant reaction mechanisms, along with detailed descriptions of contemporary applications to organic synthesis, organized by reaction type. Additionally, the numerous references to pertinent literature found throughout the text are appreciated by students and professional chemists alike.

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作者简介

ROBERT H. CRABTREE, PhD, is a professor in the Department of Chemistry at Yale University. He has served on the editorial boards of Chemical Reviews, New Journal of Chemistry, Journal of Molecular Catalysis, and Organometallics and has received numerous awards for his research accomplishments including the Organometallic Chemistry Prize of Royal Society of Chemistry (1991) and the Organometallic Chemistry Prize of the American Chemical Society (1993).

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