Analysis, Synthesis, and Design of Chemical Processes
Richard Turton, 2018-06-15 The Leading Integrated Chemical Process Design Guide: With Extensive MATLAB® programs and over 1400 exercises, Analysis, Synthesis, and Design of Chemical Processes, Fifth Edition, presents a fresh and simple approach to chemical process design and analysis. The authors introduce up-to-date, integrated techniques ranging from chemical principles to operations and then apply the design of processes and equipment for chemical process industries. The book covers a broad range of topics such as fluid mechanics, mass and heat transfer, reaction engineering, separation processes, kinetics, mass and energy balances, and reactor design.

Modern Inorganic Synthetic Chemistry
Kenneth J. Waldron 2016-09-20 Kinematics, Dynamics, and Design of Machinery, Third Edition, presents a fresh and simpler approach to cam design. It includes more exercise problems, and the book is better integrated with the rest of the text on kinematic and dynamic design.

Modern Inorganic Synthetic Chemistry
Ruren Xu 2017-02-11 Modern Inorganic Synthetic Chemistry, Second Edition captures, in five distinct sections, the latest advances in the inorganic synthetic chemistry of five important classes of inorganic functional materials, namely, ordered porous materials, carbon materials, advanced ceramic materials, host-guest materials, and hierarchically structured materials. Section one consists of four chapters where the synthetic chemistry of functional inorganic aggregates is described, giving special attention to the growth of single crystals, assembly of nanomaterials, and preparations of new or improved materials.

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