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Descrizione fisica	1 online resource (532 p.)
Collana	Topics in inorganic chemistry
Disciplina	541/.39
Soggetti	Reaction mechanisms (Chemistry) Organometallic compounds Inorganic compounds Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previously issued in print: 2007.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Tools of the trade -- Rate law and mechanism -- Ligand substitution reactions -- Stereochemical change -- Reaction mechanisms of organometallic systems -- Oxidation-reduction reactions -- Inorganic photochemistry -- Bioinorganic systems -- Kinetics in heterogeneous systems -- Experimental methods.
Sommario/riassunto	This third edition retains the general level and scope of earlier editions, but has been substantially updated with over 900 new references covering the literature through 2005, and 140 more pages of text than the previous edition. In addition to the general updating of materials, there is new or greatly expanded coverage of topics such as Curtin-Hammett conditions, pressure effects, metal hydrides and asymmetric hydrogenation catalysts, the inverted electron-transfer region, intervalence electron transfer, photochemistry of metal carbonyls, methyl transferase and nitric oxide synthase. The new chapter on heterogeneous systems introduces the basic background to this industrially important area. The emphasis is on inorganic examples of

gas/liquid and gas/liquid/solid systems and methods of determining heterogeneity.

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