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Sommario/riassunto

This book systematically describes the latest research in low-temperature selective catalytic reduction catalysts, providing a theoretical basis and technical support. It first introduces the characteristics and formation mechanism of NO_x and presents the control technology of nitrogen oxides at this stage along with the mechanism of low-temperature selective catalytic reduction reactions. In addition, the preparation methods and characterization techniques

of these catalysts have been introduced. From this, readers can master the main technical methods required in low-temperature selective catalytic reduction catalyst research. Furthermore, it also covers the anti-poisoning mechanism of Mn-based, Ce-based, Fe-based, Cu-based and low-temperature selective catalytic reduction catalysts, presenting readers with the latest research achievements. Given its scope, this book appeals to a broad readership, particularly professionals at universities as well as engineers engaged in low-temperature selective catalytic reduction fields. It also can be treated as a valuable reference for scholars studying the field.
