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Sommario/riassunto	<p>This five-volume series covers the entire range of technologies used in the petroleum refining industry. The books are intended for students and for the engineers and technicians who operate in refineries. This volume describes the characteristics of processes used in petroleum refining: upgrading light fractions (reforming and isomerization), converting distillates (catalytic cracking, hydrocracking, and associated equipment), converting residues (visbreaking, coking, hydroconversion), and reducing air and water pollution (white product sweetening, acid gas, stack gas, and waste water treatment). In addition to the detailed description of the conventional separation processes used in refining, this volume devotes ample space to discussing future developments. These include enhancements to existing technologies and the introduction of new technologies and separation processes that are as yet seldom implemented in the industry.</p>