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Nota di contenuto	Introduction -- General Aspects of Nanostructure -- High Strength Steels -- Nanostructure Characterization Methods -- Precipitation Engineering -- Interface Engineering -- Short-Range Ordering Engineering -- Conclusions and final remark.
Sommario/riassunto	This book offers new insights into the process of adjusting nanostructures in high-strength steels to achieve enhanced mechanical properties. It summarizes the state-of-the-art nanoengineering approaches, such as precipitation engineering, interface engineering, and short-range ordering engineering. The book explores the nanostructure-process-property relationships in various high-strength steels, including TRIP/TWIP/MBIP in high-Mn steels (HMnS), medium-Mn steels (MMnS), bearing steels, tool steels, and more. The author investigates a novel approach to control the phase transformation process during deformation and/or thermal treatment in steels, employing both experimental and theoretical tools.

