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Altri autori (Persone)	LiJing YangShufeng
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Nota di contenuto	1 Introduction to Electroslag Remelting -- 2 Clean Steel Production by Electroslag Remelting -- 3 Deoxidation of ESR and Its Correlation with Oxide Inclusions -- 4 Reoxidation of Liquid Steel during ESR and Its Effect on Oxide Inclusions -- 5 Desulfurization in Electroslag Remelting -- 6 Sulfide and Nitride Inclusion Evolution during ESR -- 7 Evolution of Original Oxide Inclusions during ESR -- 8 Evolution of Oxide Inclusions in Si-Mn-killed Steel during ESR -- 9 Modification of Alumina and MgO-Al ₂ O ₃ Inclusions by Calcium Treatment during ESR -- 10 Role of Calcium Modification of Oxide Inclusions during ESR on Primary Carbides.
Sommario/riassunto	This book introduces the results that the authors have achieved on the study of functional principle of electroslag remelting for production of high-quality clean steel. The dependence of oxygen, sulfur, and non-metallic inclusions on the processing parameters of electroslag remelting is assessed. The fundamentals and technologies of clean steel production by electroslag remelting have been applied in the round to discuss oxygen, sulfur, and non-metallic inclusions evolution and control. A general concluding remark and a perspective for future work are present. The book is likely to be of interest to university

teachers, researchers, R&D engineers, and graduate students in material processing and pyrometallurgy who wish to explore innovative technologies that lead to more energy-efficient and environmentally sustainable clean steel production.
