

1. Record Nr.	UNINA9911004831803321
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Titolo	Introduction to metallurgy / / Sir Alan Cottrell
Pubbl/distr/stampa	London, : Institute of Materials, 1995, c1975
ISBN	9780429293917 0429293917 9781000023572 1000023575 9781621985211 1621985210 9781907625947 1907625941
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (570 pages) : illustrations
Collana	Book ; ; 626
Disciplina	669
Soggetti	Metallurgy - Study and teaching (Higher)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	This book is a reprint of the second edition published by Edward Arnold (Publishers) Ltd. in 1975. Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Prologue; The Atomic Nucleus; Atomic Structure; Chemical Bonding; Heat and Energy; Entropy and Free Energy; Free Energies of Metallic Compounds; Extraction of Metals; Electrochemical Extraction and Refining Processes; Extraction of Reactive and Refractory Metals; Iron and Steel Making; Kinetics of Metallurgical Reactions; Solids, Liquids and Solidification; Alloys; The Phase Diagram; Ternary Phase Diagrams; Metal Crystals-I Periodicity; Metal Crystals-II Directionality; Metal Crystals-III Energies and Processes; Heat-Treatment of Alloys; Mechanical Properties; Plastic Working Oxidation and Corrosion; Electronic Structure and Properties; Properties and Uses; Index
Sommario/riassunto	This classic textbook has been reprinted by The Institute of Materials to provide undergraduates with a broad overview of metallurgy from atomic theory, thermodynamics, reaction kinetics and crystal physics,

to elasticity and plasticity.
