

1. Record Nr.	UNISALENTO991003222019707536
Titolo	Physical metallurgy [e-book] / edited by Robert W. Cahn, Peter Haasen
Pubbl/distr/stampa	Amsterdam ; New York : North-Holland, 1996
ISBN	9780444898753 0444898751
Edizione	[4th, rev. and enhanced ed.]
Descrizione fisica	3 v. (xlix, 2740, A56, S39 p.) : ill. (some col.) ; 25 cm
Altri autori (Persone)	Cahn, R. W. (Robert W.), 1924-2007 Haasen, Peter
Disciplina	669.9
Soggetti	Physical metallurgy Electronic books.
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and indexes
Sommario/riassunto	<p>This is the fourth edition of a work which first appeared in 1965. The first edition had approximately one thousand pages in a single volume. This latest volume has almost three thousand pages in 3 volumes which is a fair measure of the pace at which the discipline of physical metallurgy has grown in the intervening 30 years. Almost all the topics previously treated are still in evidence in this version which is approximately 50% bigger than the previous edition. All the chapters have been either totally rewritten by new authors or thoroughly revised and expanded, either by the third-edition authors alone or jointly with new co-authors. Three chapters on new topics have been added, dealing with dry corrosion, oxidation and protection of metal surfaces; the dislocation theory of the mechanical behavior of intermetallic compounds; and (most novel) a chapter on polymer science for metallurgists, which analyses the conceptual mismatch between metallurgists' and polymer scientists' way of looking at materials. Special care has been taken throughout all chapters to incorporate the latest experimental research results and theoretical insights. Several thousand citations to the research and review literature are included in this edition. There is a very detailed subject index, as well as a comprehensive author index. The original version of this book has long</p>

been regarded as the standard text in physical metallurgy and this
thoroughly rewritten and updated version will retain this status
