

1. Record Nr.	UNINA9910958070303321
Autore	Hull Derek
Titolo	Introduction to dislocations // D. Hull and D.J. Bacon
Pubbl/distr/stampa	Amsterdam, : Butterworth-Heinemann, 2011
ISBN	9786613006165 9781283006163 1283006162 9780080966731 008096673X
Edizione	[5th edition.]
Descrizione fisica	1 online resource x, 257 pages) : illustrations
Collana	Materials science and technology (New York, N.Y.) ; ; v. 37
Altri autori (Persone)	BaconD. J
Disciplina	548 548.842
Soggetti	Dislocations in crystals
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Defects in Crystals -- Observation of Dislocations -- Movement of Dislocations -- Elastic Properties of Dislocations -- Dislocations in Face-Centered Cubic Metal -- Dislocation in Other Crystal Structures -- Jogs and the Intersection of Dislocations -- Origin and Multiplication of Dislocations -- Dislocation Arrays and Crystal Boundaries -- Strength of Crystalline Solids.
Sommario/riassunto	Dislocations are defects in the crystal structure of important engineering materials, such as metals, ceramics and semi-conductors, that strongly influence the properties of these materials. Research on dislocations was intense when the first edition of this classic work was published in the 1960's. By incorporating later developments in subsequent editions whilst retaining a concise, accessible style, Introduction to Dislocations has become established as a key resource for students, graduates and researchers. No other book on the topic is as credible and, with this new edition