

1. Record Nr.	UNISA990000988940203316
Titolo	I ter precetti delle donne / introduzione di Hillel Sermoneta ; prefazione di Giuseppe Sermoneta
Pubbl/distr/stampa	Roma : Carucci, 1987
Edizione	[Ed. anast.]
Descrizione fisica	38 c. ; 15 cm
Disciplina	305.4
Collocazione	A 828
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	In custodia
2. Record Nr.	UNINA9910588600903321
Autore	Skalskyi Valentyn
Titolo	Acoustic Emission : Fracture Detection in Structural Materials // by Valentyn Skalskyi, Zinoviy Nazarchuk, Olena Stankevych
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-031-11291-1
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (231 pages)
Collana	Foundations of Engineering Mechanics, , 1860-6237
Disciplina	620.1127
Soggetti	Building materials Materials - Fatigue Materials - Analysis Acoustics Continuum mechanics Structural Materials Materials Fatigue Materials Characterization Technique Continuum Mechanics
Lingua di pubblicazione	Inglese

Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Macrofracture of Structural Materials and Methods of Determining its Type -- Mathematical Models for Displacement Fields Caused by the Crack in an Elastic Half-Space -- Energy Criterion for Identification of the Types of Material Macrofracture -- Evaluation of the Types and Mechanisms of Fracture of Composite Materials According to Energy Criteria -- Ranking of Dental Materials and Orthopedic Constructions by their Tendency to Fracture -- Rating of Hydrogen Damaging of Steels by Wavelet Transform of Magnetoelastic Acoustic Emission Signals.
Sommario/riassunto	The book presents topical theoretical and experimental studies for developing advanced methods of detecting materials fracture and assessing their structural state using acoustic emission. It introduces new mathematical models characterizing the displacement fields arising from crack-like defects and establishes a new criterion for classifying different types of materials fracture based on specific parameters obtained from wavelet transforms of acoustic emission signals. The book applies this approach to experimental studies in three types of materials—fiber-reinforced composites, dental materials, and hydrogen-embrittled steels.