

1. Record Nr.	UNINA9910483515003321
Titolo	Multiscale Solid Mechanics : Strength, Durability, and Dynamics // edited by Holm Altenbach, Victor A. Eremeyev, Leonid A. Igumnov
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-54928-3
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XXIV, 499 p. 238 illus., 112 illus. in color.)
Collana	Advanced Structured Materials, , 1869-8441 ; ; 141
Disciplina	620.1
Soggetti	Mechanics, Applied Solids Materials Materials science Solid Mechanics Materials Engineering Materials Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. Practical Methods for Fatigue Characteristics Assessing Based on the Monotonic Diffusion Distribution Under Random Censorship Conditions -- 2. Earthquakes and Cracks of New Type Complementing the Griffith-Irvin's Crack -- 3. Numerical Study of the Mutual Influence of Nearby Buried Structures Under Seismic Influences -- 4. Dynamic Deformation and Failure Criterion of Cylindrical Shells Subjected to Explosive Loading -- 5. Plasticity of Materials with Additional Hardening Exposed to Cyclic Loading.
Sommario/riassunto	This book provides an overview of the current of the state of the art in the multiscale mechanics of solids and structures. It comprehensively discusses new materials, including theoretical and experimental investigations their durability and strength, as well as fractures and damage.