

1.	Record Nr.	UNINA990002504880403321
	Autore	Allaria, Giovan Battista
	Titolo	Il problema demografico italiano osservato da un pediatra / Giovanni Battista Allaria
	Pubbl/distr/stampa	Torino : Vincenzo Bona, 1935
	Edizione	[2. ed. agg.]
	Descrizione fisica	191 p. ; 24 cm
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	Collocazione	XXIV-C-36
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910254221803321
	Autore	Naumenko Konstantin
	Titolo	Modeling High Temperature Materials Behavior for Structural Analysis : Part I: Continuum Mechanics Foundations and Constitutive Models / / by Konstantin Naumenko, Holm Altenbach
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
	ISBN	3-319-31629-X
	Edizione	[1st ed. 2016.]
	Descrizione fisica	1 online resource (381 p.)
	Collana	Advanced Structured Materials, , 1869-8441 ; ; 28
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	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.

Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction -- ContinuumMechanics in One Dimension -- Elementary Uni-Axial Constitutive Models -- Three-Dimensional ContinuumMechanics -- Constitutive Models -- Examples of Constitutive Equations for Various Materials -- Appendix: Basic Operations of Tensor Algebra -- Elements of Tensor Analysis.
Sommario/riassunto	This monograph presents approaches to characterize inelastic behavior of materials and structures at high temperature. Starting from experimental observations, it discusses basic features of inelastic phenomena including creep, plasticity, relaxation, low cycle and thermal fatigue. The authors formulate constitutive equations to describe the inelastic response for the given states of stress and microstructure. They introduce evolution equations to capture hardening, recovery, softening, ageing and damage processes. Principles of continuum mechanics and thermodynamics are presented to provide a framework for the modeling materials behavior with the aim of structural analysis of high-temperature engineering components.