

1. Record Nr.	UNISALENT0991001608569707536
Autore	Istituto di Ricerche sulla Popolazione
Titolo	Tendenze demografiche e politiche per la popolazione : terzo rapporto IRP sulla situazione demografica italiana / a cura di Antonio Golini
Pubbl/distr/stampa	Bologna : Il mulino, c1994
ISBN	8815043039
Descrizione fisica	376 p. ; 24 cm.
Altri autori (Persone)	Golini, Antonio Citoni, Federica Gesano, Giuseppe Menniti, Adele
Disciplina	304.60945
Soggetti	Popolazione - Politica Italia Politica sociale Italia Popolazione 1960-1990
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	In appendice: Schede regionali, a cura di Federica Citoni, Giuseppe Gesano, Adele Minniti

2. Record Nr.	UNINA9910806253203321
Titolo	Shape memory alloys : properties, technologies, opportunities : special topic volume with invited peer reviewed papers only // edited by Natalia Resnina and Vasili Rubanik
Pubbl/distr/stampa	Pfaffikon, Switzerland : , : Trans Tech Publications Ltd, , 2015 ©2015
ISBN	3-03826-742-2
Descrizione fisica	1 online resource (641 p.)
Collana	Materials Science Foundations, , 1662-9752 ; ; Volume 81-82
Disciplina	620.165
Soggetti	Shape memory alloys
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 at the end of each chapters and indexes.
Nota di contenuto	Shape Memory Alloys: Properties, Technologies, Opportunities; Preface; Table of Contents; I. Theory and Modeling of Martensitic Transformation and Functional Properties; Possible Wave Processes Controlling the Growth of Martensite Crystals at B2-B19, B2-B19' and B2-R Transformations; Modeling of Deformation and Functional Properties of Shape Memory Alloys Based on a Microstructural Approach; Novel Achievements in the Research Field of Multifunctional Shape Memory Ni-Mn-In and Ni-Mn-In-Z Heusler Alloys; Modeling of Thermomechanical Behavior of Shape Memory Alloys II. Martensitic Transformations and Shape Memory EffectsPhysics of Thermoelastic Martensitic Transformation in High-Strength Single Crystals; Thermoelastic Martensitic Transitions and Shape Memory Effects: Classification, Crystal and Structural Mechanisms of Transformations, Properties, Production and Application of Promising Alloys; Some Physical Principles of High Temperature Shape Memory Alloys Design; Structural and Magnetic Properties of Ni-Mn-Al Heusler Alloys: A Review; III. Controlling the Functional Properties of Shape Memory Alloys Mechanisms of Microstructure Evolution in TiNi-Based Alloys under Warm Deformation and its Effect on Martensite TransformationsThermomechanical Treatment of TiNi Intermetallic-

Based Shape Memory Alloys; Thermomechanical Treatment of Ti-Nb Solid Solution Based SMA; Influence of Ultrasonic Vibrations on Shape Memory Effect; Martensitic Transformation and Shape Memory Effect in TiNi-Based Alloys during Neutron Irradiation; Thermo-Mechanical and Functional Properties of NiTi Shape Memory Alloy at High Strain Rate Loading

Features of Deformation Behavior, Structure and Properties of TiNi Alloys Processed by Severe Rolling with Pulse CurrentIV. Shape Memory Alloys with Complex Structure; TiNi Shape Memory Foams, Produced by Self-Propagating High-Temperature Synthesis; Development of Two-Way Shape Memory Material on the Basis of Amorphous-Crystalline TiNiCu Melt-Spun Ribbons for Micromechanical Applications; Crystal-Chemical Aspects of the Stability of the Ordered Phase B2 in Volume Alloying of TiNi; High-Strength Precipitation-Hardening Austenitic Steels with Shape Memory Effect

V. Application of Shape Memory AlloysApplication of Thermomechanically Treated Ti-Ni SMA; Keywords Index; Authors Index

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#### Sommario/riassunto

The collective monograph consists of five parts: Theory and modeling of martensitic transformation and functional properties; Martensitic transformations and shape memory effects; Controlling the functional properties of shape memory alloys; Shape memory alloys with complex structure; Application of shape memory alloys) covering of all aspects of shape memory alloys from theory and modelling to applications. It presents the scientific results obtained by leading scientific teams studying shape memory alloys in the former Soviet Republics together with their colleagues from other countries duri

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