1. Record Nr. UNINA9910146296903321

Titolo	The senses : a comprehensive reference / / advisory board, Allan I. Basbaum ... [et al.]
ISBN	0-12-639482-2
Altri autori (Persone)	BasbaumA. I
Disciplina	573.87
Soggetti	Senses and sensation Sensation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	v. 1-2. Vision / volume editor, Tom Albright -- v. 3. Audition / volume editors, Peter Dallos, Donata Oertel -- v. 4. Olfaction and taste / volume editors, Stuart Firestein, Gary K. Beauchamp -- v. 5. Pain / volume editors, M. Catherine Bushnell, Allan I. Basbaum -- v. 6. Somatosensation / volume editors, Esther Gardner, Jon H. Kaas.
Sommario/riassunto	" ... provides the first up-to-date, cutting-edge, comprehensive reference work combining volumes on all major sensory modalities in one set in three decades. Under the guidance of a distinguished team of international experts, 6 volumes collected 300 articles from all the top scientists laying out our current knowledge on the anatomy, physiology, and molecular biology of sensory organs. Topics covered include the perception, psychophysics, and higher order processing of sensory information, as well as disorders and new diagnostic and treatment methods. Written for a wide audience, this reference work provides students, scholars, medical doctors, and anyone interested in neuroscience a comprehensive overview of the knowledge accumulated on the function of sense organs, sensory systems, and how the brain processes sensory input. Leading scholars from around the world contributed articles, making The Senses a truly international portrait of sensory physiology. The set is the definitive reference on sensory neuroscience on the market, and will provide the ultimate entry point into the review and original literature in Sensory Neuroscience, and be a natural place for interested students and scientists to deepen their

knowledge."--

2. Record Nr. UNINA9910819848703321

Titolo	Ferromagnetic shape memory alloys : selected peer reviewed papers from the International Conference on Ferromagnetic Shape Memory Alloys, held at S.N. Bose National Centre for Basic Sciences, Kolkata, India, November 14-16, 2007 / / editor, Lluis Manosa ; convenors, P.K. Mukhopadhyay and S.R. Barman
Pubbl/distr/stampa	Stafa Zurich ; ; United Kingdom : , : Trans Tech Publications, , [2008] ©2008
ISBN	3-03813-214-4
Descrizione fisica	1 online resource (227 p.)
Collana	Advanced materials research, , 1022-6680 ; ; volume 52
Altri autori (Persone)	ManosaLluis MukhopadhyayP. K BarmanS. R
Disciplina	620.189304297
Soggetti	Magnetic materials Ferromagnetic materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographic references and indexes.
Nota di contenuto	Ferromagnetic Shape Memory Alloys; Editor; Sponsors; Committees; Preface; Table of Contents; Inaugural Talk; Concepts and Physical Phenomena in Magnetic Shape Memory Science; I. Sample Preparation; Development of Ni-Mn-Ga Based Ferromagnetic Shape Memory Alloy by Rapid Solidification Technique; Magneto-Mechanical Behaviour of Textured Polycrystals of NiMnGa Ferromagnetic Shape Memory Alloys; Magnetization and Domain Patterns in Martensitic NiMnGa Films on Si (100) Wafer; II. Thermal Treatments and Phase Stability; Intermartensitic Transformations in Ni-Mn-Ga Alloys: A General View Martensite Transformation and Magnetic Property Dependence on the Annealing Temperature in Ni-Rich Ni-Mn-Ga AlloyInfluence of Annealing Temperature on the Properties of Co-Ni-Ga Ferromagnetic Shape Memory Alloy; Textural Ordering in NiTi, Ni-Fe-Ti, and Ni-Mn-

Ga Shape Memory Alloys - Kinetics of Intra- and Inter-Domain Processes; Effect of Site Disorder on Martensitic Transformation in Ferromagnetic Ni55Fe20Al25 Alloy as Inferred from Magnetic and Magneto-Transport Measurements; III. Magnetic and Structural Characterization
Acoustic Energy Absorption in Ferromagnetic Ni-Mn-Ga Shape Memory Alloy Polymer CompositesCo-Ni-Ga Alloys with Room Temperature Ferromagnetic Martensite Phase; Structural Characterization of Co70-xNixGa30 Ferromagnetic Shape Memory Alloys; Structural Studies on Mn Excess and Ga Deficient Ni-Mn-Ga; Mapping of Magnetic Domains by MFM in Ni2MnGa; Transformation Behavior of Ni-Mn-Ga Ferromagnetic Shape Memory Alloy; Effect of Stress Relaxation on Quenched NiFeAl Ferromagnetic Shape Memory Alloy; Lattice Thermal Expansion of the Shape Memory Alloys Cu-Al-Ni, Cu-Al-Zn, Cu-Al-Be and Cu-Al-Pd
IV. Microscopic Studies of Magnetic Shape Memory AlloysMagnetic Compton Scattering Study of Shape Memory Alloys; Hybridization Effects in Ni-Mn Based Shape Memory Alloys: XAFS Study; Electronic and Structural Properties of Ferromagnetic Shape Memory Alloys Studied by Density Functional Theory; Signature of Austenitic to Martensitic Phase Transition in Ni2MnGa in Mn and Ni K-Edge XANES Spectra; A Charge Compton Profile Study of Ni2MnGa: Theory and Experiment; V. Effects of External Fields; Effect of External Fields on the Martensitic Transformation in Ni-Mn Based Heusler Alloys
Effect of Magnetic Field on Martensite to Intermediate Phase Transformation in Ni2MnGaVI. Coupled Effects: Magnetoresistance and Magnetocaloric Effects; Magneto-Transport and Magnetic Properties of Ni-Mn-Ga; Magnetic Investigations on Ni-Mn-Sn Ferromagnetic Shape Memory Alloy; Magnetocaloric and Shape-Memory Properties in Magnetic Heusler Alloys; Keywords Index; Authors Index

Sommario/riassunto

Multiferroic shape-memory alloys that exhibit both ferroelastic and ferromagnetic properties have recently attracted much attention. They belong to the family of so-called ""smart materials"" and are future-generation materials that are likely to be useful in cutting-edge technologies. Apart from the theoretical challenge of understanding their fascinating properties, the quest to harness them for practical use is also attracting many scientists and engineers from all over the world. This compilation comprises peer-reviewed papers, categorized into: I. Sample Preparation, II Thermal Treatments