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Magazine of Standards
Conference Proceedings
JIS 規格
Fossil Energy Update
Specifications & Standards for Plastics & Composites
Physics Briefs
Climatological Data
Agricultural Statistics
Tensai kenkyū kaihō
Biopolymers, Polyesters III - Applications and Commercial Products
Poor's Manual of Public Utilities
規格
Nihon Genshiryoku Gakkaishi
Register of Commissioned and Warrant Officers of the United States Naval Reserve
JSME International Journal
Data Book on Mechanical Properties of Living Cells, Tissues, and Organs
規格
Microbiology Abstracts
規格
Optofluidics Systems Technology
規格
規格
International Catalogue of Scientific Literature
Southern California Range Complex
規格
Shape Memory Materials
Optofluidics
Materials for Springs
Survey of Current Business
JIS 規格
Bradstreet's
FCC Record
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Virology Abstracts
A Hebrew and English Lexicon of the Old Testament
Shape Memory and Superelastic Alloys
Official Gazette of the United States Patent and Trademark Office
Drugs During Pregnancy and Lactation

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Conference Proceedings Springer Science & Business Media

Shape memory and superelastic alloys possess properties not present in ordinary metals meaning that they can be used for a variety of applications. Shape memory and superelastic alloys:

Applications and technologies explores these applications discussing their key features and commercial performance. Readers will gain invaluable information and insight into the current and potential future applications of shape memory alloys. Part one covers the properties and processing of shape memory effect and superelasticity in alloys for practical users with chapters covering the basic characteristics of Ti-Ni-based and Ti-Nb-based shape memory and superelastic (SM/SE) alloys, the development and commercialisation of TiNi and Cu-based alloys, industrial processing and device elements, design of SMA coil springs for actuators before a final overview on the development of SM and SE applications. Part two introduces SMA application technologies with chapters investigating SMAs in electrical applications, hot-water supply, construction and housing, automobiles and railways and aerospace engineering before looking at the properties, processing and applications of Ferrous (Fe)-based SMAs. Part three focuses on the applications of superelastic alloys and explores their functions in the medical, telecommunications, clothing, sports and leisure industries. The appendix briefly describes the history and activity of the Association of Shape Memory Alloys (ASMA). With its distinguished editors and team of expert contributors, Shape memory and superelastic alloys: Applications and technologies is a valuable reference tool for metallurgists as well as for designers, engineers and students involved in one of the many industries in which shape memory effect and superelasticity are used such as construction, automotive, medical, aerospace, telecommunications, water/heating, clothing, sports and leisure. Explores important applications of shape memory and superelastic alloys discussing their key features and commercial performance. Assesses the properties and processing of shape memory effect and superelasticity in alloys for practical users with chapters covering the basic characteristics. Introduces SMA application technologies investigating SMAs in electrical applications, hot-water supply, construction and housing, automobiles and railways and aerospace engineering

JIS Elsevier Science

Includes papers presented at the 14th- Research Meeting of Sugar Beet Technological Cooperation.

Fossil Energy Update CMC Publishing Co., Ltd

"Materials for springs" is basically intended for engineers related to spring materials and technologies who graduated from metallurgical or mechanical engineering course in technical high school, or in other higher engineering schools, as well as those who are related to purchases or sales of spring materials. This book is the first comprehensive treatment in this specific topic. It is written by experts of the JSSE (Japan Society of Spring Engineers).

Specifications & Standards for Plastics & Composites CMC Publishing Co., Ltd

The care of pregnant women presents one of the paradoxes of modern medicine. Women usually require little medical intervention during an (uneventful) pregnancy. Conversely, those at high risk of damage to their own health or that of their unborn require the help of appropriate medicinal technology, including drugs. Accordingly, there are two classes of pregnant women, the larger group requires support but not much intervention, while the other needs the full range of diagnostic and therapeutic measures applied in any other branch of medicine. This book presents the current state of knowledge about drugs in pregnancy. In each chapter information is presented separately for two different aspects of the problem seeking a drug appropriate for prescription during pregnancy, and assessing the risk of a drug when exposure has already taken place. Practising clinicians who prescribe medicinal products to women who are, or who may become, pregnant, will find this volume an invaluable reference.

Physics Briefs Asm International

A research project entitled Biomechanics of Structure and Function of Living Cells, Tissues, and Organs was launched in Japan in 1992. This data book presents the original, up-to-date information resulting from the research project, supplemented by some of the important basic data published previously. The aim of collecting the information is to offer accurate and useful data on the mechanical properties of living materials to biomechanical scientists, biomedical engineers, medical scientists, and clinicians. The data are presented in graphs and tables (one type of data per page) arranged in an easily accessible manner, along with details of the origin of the material and the experimental method. Together with its two companion volumes, Biomechanics: Functional Adaptation and Remodeling and Computational Biomechanics, the Data Book on Mechanical Properties of Living Cells, Tissues, and Organs is a timely and valuable contribution to the rapidly growing field of biomechanics.

Climatological Data Optofluidics

Volumes 3a, b and 4 focus on polyesters synthesized by bacteria and eukaryotic organisms as well as all aspects of the biosynthesis and metabolism of these biopolymers together with their production and isolation. In addition, these volumes treat various synthetic polyesters and related polymers synthesized by the chemical industry for the manufacture of biodegradable materials. Topics include: polyhydroxyalkanoates, pha granules, non-storage phas, poly(malic acid), cutin, suberin, polyphosphate, polylactides, polyglycolide, polyanhydrides, polyesteramides, aliphatic organic polyesters and related polymers, in vitro synthesis of polyesters, chemical synthesis, biotechnological production by fermentation, isolation from plants, production in transgenic plants, biodegradation.

Agricultural Statistics Elsevier

A comprehensive account of shape memory materials, now available in paperback.

Tensai kenkyū kaihō Springer Science & Business Media

Papers presented at the 13th- Research Meeting of Sugar Beet Technological Cooperation.

Biopolymers, Polyesters III - Applications and Commercial Products CMC Publishing Co., Ltd

