

Thin Film Shape Memory Alloys: Fundamentals And Device Applications

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The tini shape- memory alloy and its applications

One of the most widely used shape-memory alloys is to a number of applications, and as a thin film, shape-memory alloy and its applications for

Characterization of shape recovery via creeping

Characterization of shape recovery via creeping Fu YQ, Huang WM (2009) Thin film shape memory alloys: fundamentals and PR China patent application No

Spie | proceeding | applications of shape memory

incorporating shape memory microactuators in MEMS devices and describes Gupta "Applications of shape memory alloys: using thin-film shape-memory alloy.

Ferromagnetic shape memory thin films | vlassak

Ferromagnetic Shape Memory Thin Films Size Effects in NiTi Shape Memory Alloy Films ; Ferromagnetic Shape Memory Thin Films ; Nanoindentation;

Patent us4864824 - thin film shape memory alloy

a first thin film device deposited onto the substrate, the device being made of a shape memory material having the property of restoration to an original shape when

18 - shape memory thin film composite

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Applications of shape memory alloys to mems mae

Applications of Shape Memory Alloys to Reduce residual stress in the thin film Need to reduce thermal of MEMS Devices Example of an Application:

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Development of nano-structured thin film shape

Title: Development of Nano-Structured Thin Film Shape Memory Alloys for MEMS Applications: Authors: Baldwin, Elizabeth Anne: Advisors: Dr. Jerome Cuomo, Committee Member

Thin film shape memory alloys and microactuators

210 Y.Q. Fu et al. 1 Introduction Shape Memory Alloy (SMA) is a metal that can remember its geometry, that is, after a sample of SMA has been deformed from its

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Thin film shape memory alloy microactuators (1996) by P Krulevitch, A P Lee, P B Ramsey, J C Trevino, J Hamilton Thin-film shape memory alloys (SMAs)

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Electrodeposition of thin film cu-zn shape memory

J. PHYS. IV FRANCE 7 (1997) Colloque C5, Suppl ment au Journal de Physique III de novembre 1997 C5-269 Electrodeposition of Thin Film Cu-Zn Shape Memory Alloys

Advances in thin film tini shape memory alloys -

Recent advances in new thin film deposition and characterization techniques will be discussed, focusing on the new tools for functionally graded, or nanosculptured

Shape memory alloys - medical applications

Aug 01, 2015 Shape Memory Alloys are now used in a wide Thin Film Characterization and then be triggered into returning to its original shape by the application

Thin film shape memory alloys and microactuators

For Micro-electro-mechanical System (MEMS) applications, TiNi-based thin film Shape Memory Alloys (SMAs) possess many desirable properties, such as high power density

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Jan 09, 2008 Ni-Ti Shape Memory Alloys (SMA) alloys have been attracting attention due to a number of desirable properties (shape memory effect,) The basis of the

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New au cu al thin film shape memory alloys with

purpose of this paper is to explore the Au Cu Al ternary system in a large compositional region for potential new thin film shape memory alloys

Thin film shape memory alloys for optical sensing

Thin film shape memory alloys for optical sensing applications Based on shape memory effect of the sputtered thin film shape memory alloys, The device

Shape memory materials for medical devices

Book Review on Thin Film Shape Memory Alloys-Fundamentals and Device Applications The Open Medical Devices Journal, 2010, 2: 49-50

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Accession Number : ADA443870. Title : A Free Energy Model for Thin-film Shape Memory Alloys.
Corporate Author : NORTH CAROLINA STATE UNIV AT RALEIGH CENTER FOR

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Aug 01, 2015 Shape memory materials For the fundamentals and device applications of thin film W.M.,
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On the use of shape memory alloy thin films to

We show experimentally that the SMA thin film dynamic coated with shape memory alloy (SMA) thin
the dynamic response of micro-cantilevers

Properties and applications of tinicu shape-

Properties and applications of Ti. Ni. Cu shape-memory-alloy thin Y.Q. Fu, W.M. Huan (Eds.), Thin
Film Shape Memory Alloys, Cambridge University Press, Cambridge

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Thermo/moisture responsive shape- memory polymer

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