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Altri autori (Persone)	DoganFatih ManjooranNavin
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EBSF Study of Hydride Precipitation Behavior in Zr-Nb Alloys  
FEM Study of Delayed Hydride Cracking in Zirconium Alloy Fuel  
Cladding The Effect of Manganese Stoichiometry on the Curie  
Temperature of  $\text{La}_{0.67}\text{Ca}_{0.26}\text{Sr}_{0.07}\text{Mn}_{1+x}\text{O}_3$  Used in Magnetic  
Refrigeration; Preparation of Electrocatalytically Active  $\text{RuO}_2/\text{Ti}$   
Electrodes by Pechini Method; The Myriad Structures of Liquid Water:  
Introduction to the Essential Materials Science; Preparation of  $\text{CuInS}_2$   
Films by Electrodeposition: Effect of Metal Element Addition to  
Electrolyte Bath; Preparation of High- $J_c$  MOD-YBCO Films for Fault  
Current Limiters; NANOTECHNOLOGY FOR POWER GENERATION  
Modeling of Electromagnetic Wave Propagation of Nano-Structured  
Fibers for Sensor Applications Increased Functionality of Novel Nano-  
Porous Fiber Optic Structures through Electroless Copper Deposition  
and Quantum Dot Solutions; Thermopower Measurements in 1-D  
Semiconductor Systems; Structural Changes and Stability of Pore  
Morphologies of a Porous Glass at Elevated Temperatures; Author Index

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Sommario/riassunto

This book documents a special collection of articles from a select group of invited prominent scientists from academia, national laboratories and industry who presented their work at the symposia on Energy Materials and Nanotechnology for Power Generation at the 2008 Materials Science and Technology (MS&T'08) conference held in Pittsburgh, PA. These articles represent a summary of the presentations focusing on both the scientific and technological aspects of energy storage, nuclear materials, nano-based sensors, catalysts and devices for applications in power generation, solar energy materials

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