

1. Record Nr.	UNINA9910786401303321
Titolo	Defects and diffusion in metals : an annual retrospective XI // edited by D.J. Fisher
Pubbl/distr/stampa	Durnten-Zurich, Switzerland : , : Trans Tech Publications, , [2009] ©2009
ISBN	3-03813-292-6
Descrizione fisica	1 online resource (277 p.)
Collana	Defect and diffusion forum ; ; 293
Altri autori (Persone)	FisherD. J
Disciplina	620.1 6 3
Soggetti	Metals - Defects Diffusion
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 and indexes.
Nota di contenuto	Defects and Diffusion in Metals, 2009; Table of Contents; Metals; Electronic States and Doping Effect of Carbon in the Kink of BCC Iron ; A Study of the Variation of Monovacancy Formation Energy with the Parameter of Ashcroft's Potential and Different Exchange and Correlation Functions for Some Group-IIa and Group-VIII FCC Metals in the Active Divalent State ; Migration of Thermal Vacancies in Quenched Pure AA1050 by Positron Annihilation; Spectrum Analysis of Acoustic Emission Signal Obtained during Breakaway Oxidation of 2.25Cr-1Mo Steel Determination of Hydrogen Diffusivity in Rail Steels by Sub-Scale Microhardness Profiling Technique Ceramics; Heat Treatment of Bi(Pb)-Sr-Ca-Cu-O Thin Films Prepared by Pulsed Laser Deposition; Effect of Heat Treatment on the Structural, Morphological and Optical Properties of Tin-Doped ZnO (x=0.0 and x=0.05) Thin Films ; Structural and Morphological Studies of TiO <sub>2</sub> Films for Dye-Sensitized Solar Cell Applications; Structural and Morphological Studies of Porous ZnO for Dye-Sensitized Solar Cell Applications Theoretical Investigations of the Spin Hamiltonian Parameters and Defect Structure for Pt <sup>3+</sup> in MgO Chemical Precipitation Synthesis and Magnetic Properties of Hematite Nanorods; Relationship Study among Nanocrystallite Distribution and Roughness of a Nanostructured Hard Layer; Non-Ohmic Behavior of Some ZnO Ceramic Defective Ions with

Different Valences; Effect of Molarity of Precursor Solution on Nanocrystalline Zinc Oxide Thin Films; Semiconductors; Effect of Bi Additions upon the Physical Properties of Germanium Telluride Glassy Semiconductors  
Photo-Induced Relaxation Self-Oscillations of Stripe Structures in FeBO<sub>3</sub> Abstracts; Keywords Index; Authors Index

---

**Sommario/riassunto**

This eleventh volume in the series covering the latest results in the field includes abstracts of papers which appeared between the publication of Annual Retrospective X (Volume 278) and the end of August 2009 (journal availability permitting). As well as the 352 metals abstracts (a lower number than usual due to 'general' papers now being covered by a separate series), the issue includes: "Electronic States and Doping Effect of Carbon in the Kink of BCC Iron (Qiu, Xia, Chen)", "A Study of the Variation of Monovacancy Formation Energy with the Parameter of Ashcroft's Potential and Different E

---