

1. Record Nr.	UNINA9910464516703321
Titolo	Diffusion in advanced materials // edited by Graeme Murch, Andreas Ochsner and Irina Belova
Pubbl/distr/stampa	Durnten, Switzerland ; ; Zurich, Switzerland : , : TTP, , 2014 ©2014
ISBN	3-03826-462-8
Descrizione fisica	1 online resource (211 p.)
Collana	Diffusion Foundations, , 2296-3642 ; ; Volume 1
Disciplina	530.415
Soggetti	Diffusion Kirkendall effect Materials Electronic books.
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 at the end of each chapters and indexes.
Nota di contenuto	Diffusion in Advanced Materials; Preface; Table of Contents; Chapter I; Superstructure Transformations in High-Temperature Intermetallic Nanolayers: Atomistic Simulation; Chapter II; A Morphology of Diffusion Zone from Entropy Production Calculations; Chapter III; The Decisive Contributions by L. Boltzmann and C. Matano to the Quantitative Analysis of Diffusion Phenomena; Chapter IV; Hollow Hemisphere Shell Formation by Pure Kirkendall Porosity; Chapter V; Molecular Dynamics of the Transport of Ions in a Synthetic Channel; Chapter VI Grain Boundary Diffusion and Grain Boundary Segregation in Metals and AlloysChapter VII; Diffusion in Glassy Metals; Chapter VIII; Defects and Sintering-Induced Diffusion Processes in Yttria-Stabilised Zirconia Nanomaterials Studied by Positron Annihilation Spectroscopy; Chapter IX; Mechanical Activation of Mn-O Oxides: Structural Phase Transitions, Magnetism and Oxygen Isotope Exchange; Chaper X; Peculiarities of Structure and Texture of High-Strength Cu-Nb Composites; Keywords Index; Authors Index
Sommario/riassunto	In the first chapter Prof. Kozubski and colleagues present atomisticsimulations of superstructure transformations of intermetallic

nanolayers. In Chapter 2, Prof. Danielewski and colleagues discuss a formalism for the morphology of the diffusion zone in ternary alloys. In Chapter 3, Professors Sprengel and Koiwa discuss the classical contributions of Boltzmann and Matano for the analysis of concentration-dependent diffusion. This is followed by Chapter 4 by Professor Cserhati and colleagues on the use of Kirkendall porosity for fabricating hollow hemispheres. In Chapter 5, Professor Morton-Blake rep

2. Record Nr.	UNINA9910455801103321
Titolo	The Age of expert testimony [[electronic resource] ] : science in the courtroom : report of a workshop // Science, Technology, and Law Panel ; Policy and Global Affairs
Pubbl/distr/stampa	Washington, D.C., : National Research Council, c2002
ISBN	1-280-18388-8 9786610183883 0-309-50679-4
Descrizione fisica	1 online resource (80 p.)
Collana	Compass series
Disciplina	347.73/67
Soggetti	Evidence, Expert - United States Science and law Forensic sciences Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.