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Titolo	Diffusion in advanced materials and processing : selected, peer reviewed papers from the Symposium TMS 136th annual meeting and exhibition (Orlando, FL, February 25 - March 1, 2007) // edited by Y.H. Sohn [and three others]
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Descrizione fisica	1 online resource (213 p.)
Collana	Diffusion and defect data. Pt. A, Defect and diffusion forum, , 1012-0386 ; ; v. 266
Altri autori (Persone)	Sohn Y. H
Disciplina	620.1/1
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 and indexes.
Nota di contenuto	Diffusion in Advanced Materials and Processing ; Preface; Table of Contents; Part I Multiscale Understanding in Fundamentals of Diffusion; Growth Kinetics on Nanoscale: Finite Diffusion Permeability of Interfaces; Diffusion Mechanisms in Nanocrystalline and Nanolaminated Au-Cu; Modelling of Oxygen Diffusion and Segregation at Interfaces in Ag-MgO Composites; Stability and Shrinkage by Diffusion in Hollow Nanotubes; A Molecular Dynamics Study of Self-Diffusion in the Core of a Screw Dislocation in Al A Mathematical Formulation for Interfacial Diffusion, Incorporating Deviation from the Classical Random Walk Theory First-Principles Computation of Transition-Metal Diffusion Mobility; An Examination of Diffusion Paths in Terms of Interdiffusion Fluxes and Interdiffusion Coefficients; Diffusion in Metallic Melts; Diffusion in Bulk Glass Forming Alloys- from the Glass to the Equilibrium Melt ; Non-Random Interaction of Vacancies with Atoms during Interdiffusion and Ionic Conductivity in Materials; Part II Enabling Knowledge of Diffusion in Critical Technologies

Interdiffusion Behavior in β -Phase U-Mo Alloy versus Al-6061 Alloy
Couples Fabricated by Friction Stir Welding
Growth Kinetics of Intermetallic Phases in U-Mo vs. Al Alloy Diffusion Couples Annealed at 550°C; The Influence of Solid State Diffusion on Microstructural Development during Solidification; Calculation of Gas Carburizing Kinetics from Carbon Concentration Profiles based on Direct Flux Integration; Assessment of Ternary Multicomponent Diffusion in Alloy 22 (Ni-Cr-Mo); Interdiffusion in (fcc) Ni-Cr-X (X = Al, Si, Ge or Pd) Alloys at 700°C
VisiMat©-Educational Tool for Multicomponent Diffusion in 2 and 3 Dimensions
Keywords Index; Authors Index

Sommario/riassunto

The continued development of advanced materials and processes requires an intimate understanding of diffusion mechanisms, and having the ability to model the diffusion-controlled phenomena which occur within materials during processing. This special volume focuses on the identification and modeling of various diffusion mechanisms and phenomena occurring in the advanced materials used in structural, electronic and other applications, as well as those taking place during processes such as deposition, solidification and heat-treatment. The fundamental aspects discussed include: diffusion in nanom

2. Record Nr.	UNINA9910451870003321
Autore	Kowaleski-Wallace Elizabeth <1954->
Titolo	The British slave trade and public memory // Elizabeth Kowaleski Wallace
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ISBN	0-231-13715-X 0-231-51031-4
Descrizione fisica	1 online resource (263 pages) : illustrations
Disciplina	306.3620941
Soggetti	Slave trade - Great Britain - History - Public opinion Public opinion - Great Britain Slave trade in literature Slavery in literature Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Frontmatter -- Contents -- List of Illustrations -- Preface -- Introduction. Millennial Reckonings -- 1. Commemorating the Transatlantic Slave Trade in Liverpool and Bristol -- 2. Fictionalizing Slavery in the United Kingdom, 1990-2000 -- 3. Seeing Slavery and the Slave Trade -- 4. Transnationalism and Performance in 'Biyi Bandele's Oroonoko -- Conclusion -- Notes -- Index
Sommario/riassunto	How does a contemporary society restore to its public memory a momentous event like its own participation in transatlantic slavery? What are the stakes of once more restoring the slave trade to public memory? What can be learned from this history? Elizabeth Kowaleski Wallace explores these questions in her study of depictions and remembrances of British involvement in the slave trade. Skillfully incorporating a range of material, Wallace discusses and analyzes how museum exhibits, novels, television shows, movies, and a play created and produced in Britain from 1990 to 2000 grappled with the subject of slavery. Topics discussed include a walking tour in the former slave-trading port of Bristol; novels by Caryl Phillips and Barry Unsworth; a

television adaptation of Jane Austen's *Mansfield Park*; and a revival of Aphra Behn's *Oroonoko* for the Royal Shakespeare Company. In each case, Wallace reveals how these works and performances illuminate and obscure the history of the slave trade and its legacy. While Wallace focuses on Britain, her work also speaks to questions of how the United States and other nations remember inglorious chapters from their past.
