1. Record Nr. UNINA9910695381303321

Autore	Coney William B
Titolo	Preservation of historic concrete [[electronic resource]] : problems and general approaches / / William B. Coney
Pubbl/distr/stampa	Washington, D.C. : , : Technical Preservation Services, National Park Service, U.S. Dept. of the Interior, , [1987]
Descrizione fisica	1 electronic text : HTML file
Collana	Preservation briefs ; ; 15
Soggetti	Concrete construction - Conservation and restoration - United States Concrete construction - Deterioration - United States Historic sites - Conservation and restoration - United States United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Sept. 20, 2006) . "September 1987." "The web versions of the Preservation Briefs differ somewhat from the printed versions. Many illustrations are new, captions are simplified, illustrations are typically in color rather than black and white, and some complex charts have been omitted."
Nota di bibliografia	Includes bibliographical references.

2. Record Nr. UNINA9910337875803321

Autore	Rebohle Lars
Titolo	Flash Lamp Annealing : From Basics to Applications / / by Lars Rebohle, Slawomir Prucnal, Denise Reichel
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-23299-9
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (xviii, 288 pages)
Collana	Springer Series in Materials Science, , 0933-033X ; ; 288
Disciplina	621.38152 620.11
Soggetti	Semiconductors Optical materials Electronic materials Manufactures Lasers Photonics Microwaves Optical engineering Nanotechnology Optical and Electronic Materials Manufacturing, Machines, Tools, Processes Optics, Lasers, Photonics, Optical Devices Microwaves, RF and Optical Engineering Nanotechnology and Microengineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Technological background -- Basic components -- Flash lamps -- Process management and process control -- FLA assisted deposition -- Temperature -- Thermal budget -- Temperature measurements -- Temperature simulations -- FLA for semiconductors -- Defect engineering -- Doping -- Crystallization -- Semiconductor nanostructures -- Beyond semiconductors -- Transparent conducting oxides -- Metallic films -- High-k materials and dielectrics -- Flexible

substrates -- Outlook.

Sommario/riassunto

This book provides a comprehensive survey of the technology of flash lamp annealing (FLA) for thermal processing of semiconductors. It gives a detailed introduction to the FLA technology and its physical background. Advantages, drawbacks and process issues are addressed in detail and allow the reader to properly plan and perform their own thermal processing. Moreover, this books gives a broad overview of the applications of flash lamp annealing, including a comprehensive literature survey. Several case studies of simulated temperature profiles in real material systems give the reader the necessary insight into the underlying physics and simulations. This book is a valuable reference work for both novice and advanced users.