1. Record Nr. UNINA9910523741003321

Titolo	Masonry: Building Pathologies and Design / / edited by João M. P. Q. Delgado
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-030-80496-8
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (164 pages)
Collana	Building Pathology and Rehabilitation, , 2194-9840 ; ; 22
Disciplina	693.1
Soggetti	Building materials Geotechnical engineering Buildings - Design and construction Building Materials Structural Materials Geotechnical Engineering and Applied Earth Sciences Building Construction and Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Application of Blast Resistant Design Model for Safer Cities -- Design of Facade for Blast Resistant Buildings -- Application of Geometric Patterns in Architectural Design Process -- A Novel Seismic Outer Coating for Rehabilitation of Existing Masonry Buildings -- Numerical Analysis of Bottle-Shaped Isolated Struts Concrete Deteriorated by Delayed Ettringite Formation -- Concrete Samples Extracted from Pile Caps and Affected by Internal Swelling Reactions: A Diagnostic Analysis -- Diagnosis and Assessment of Deep Pile Cap Foundation of a Tall Building Affected by Internal Expansion Reactions -- Waterproof Roofing System Pathology Phenomenology Analysis as a Background Support for Diagnosis and Design.
Sommario/riassunto	This book presents a collection of recent research works related to blast resistant design, building pathologies, seismic coating, bottle-shaped concrete struts, delayed ettringite formation and waterproofing. It features eight chapters on building pathologies as well as a detailed set of references and suggestions for further reading. Offering a

systematic review of the current state of knowledge, it is a valuable resource for scientists, students, practitioners, and lecturers in various scientific and engineering disciplines, including civil and materials engineering, as well as and other interested parties. .