1. Record Nr. UNINA9910437883003321

Titolo	Hygrothermal behavior, building pathology and durability / / V. Peixoto de Freitas, J. M. P. Q. Delgado ; editors
Pubbl/distr/stampa	Heidelberg, : Springer, 2012, c2013
ISBN	1-283-63090-7 9786613943354 3-642-31158-X
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (234 p.)
Collana	Building pathology and rehabilitation ; ; v. 1
Altri autori (Persone)	Peixoto de FreitasV (Vasco) DelgadoJoao M. P. Q
Disciplina	697
Soggetti	Hygrothermoelasticity Buildings - Environmental engineering Dampness in buildings - Research
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.
Nota di contenuto	Reducing the Risk of Microbial Growth on Insulated Walls by Improving the Properties of the Surface Materials -- Biological Defacement of External Thermal Insulation Composite Systems (ETICS) -- Effectiveness and Durability of Biocides in Building Coatings – Biological Aspects -- Hygrothermal Conditions and Mould Growth Potential in Cold Attics – Impact of Weather, Building System and Construction Design Characteristics -- Controlled Ventilation of Historic Buildings – Assessment of Impact on the Indoor Environment via Hygrothermal Building Simulation -- Degradation Control of Historical Walls with Rising Damp Problems -- Hygrothermal Performance and Damage Risk of Green Roofs -- Applicability of the Pull-Off Test: Teachings from a Large Sample of In-Situ Tests -- Moisture Robustness during Retrofitting of Timber Frame Walls with Vacuum Insulation Panels – Experimental and Theoretical Studies -- Wind Resistance Evaluation to Dynamic Response of Mechanically Anchored Waterproofing Membrane System.-.
Sommario/riassunto	The main purpose of this book, Hygrothermal, Building Pathology and Durability, is to provide a collection of recent research works to

	contribute to the systematization and dissemination of knowledge related to construction pathology, hygrothermal behaviour of buildings, durability and diagnostic techniques and, simultaneously, to show the most recent advances in this domain. It includes a set of new developments in the field of building physics and hygrothermal behaviour, durability approach for historical and old buildings and building pathology vs. durability. The book is divided in several chapters that are a resume of the current state of knowledge for benefit of professional colleagues, scientists, students, practitioners, lecturers and other interested parties to network.

2.

Record Nr.	UNINA9910760249703321
Autore	Okubo Masaaki
Titolo	Nonthermal Plasma Surface Modification of Materials / / by Masaaki Okubo
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	9789819945061 9819945062
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (219 pages)
Disciplina	620.44
Soggetti	Plasma (Ionized gases) Surfaces (Technology) Thin films Surfaces (Physics) Atmospheric pressure plasmas Surfaces, Interfaces and Thin Film Surface and Interface and Thin Film Basic Plasma Phenomena and Gas Discharges
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Fundamentals of Nonthermal Plasma Technologies -- Fundamentals of Surface Treatment Technologies -- Hydrophilic Treatment For Polymer Surface And Its Application -- Hydrophilic Treatment Technology For

	Textile, Filter, And Glass And Its Application -- Hydrophobic Treatment For Polymer Surface.
Sommario/riassunto	This book describes the fundamentals and applicability of the atmospheric-pressure non-thermal plasma surface modification of materials. Non-thermal plasma modification is an effective procedure for chemical activation. In this book, the principles of non-thermal plasma surface modification and its application to various machine parts are described. By reading this book, technologists from a variety of fields can learn about plasma generation and surface treatment technology, which will assist them in performing advanced procedures. This book also explains the basics of atmospheric-pressure plasma and the principle of plasma treatment in an easy-to-understand manner and also provides examples of the application of atmospheric-pressure plasma surface modification technologies to plastics, glass, polymers, and metals. After reading this book, readers can get the knowledge that researchers need to apply the methodology to meet their own research goals. The book is self-contained in the sense that it spans the divide between the fundamentals and more advanced content regarding applications. Many engineers and graduate students working in this field get many helps.