

1. Record Nr.	UNINA9910454429203321
Titolo	Metal-catalysis in industrial organic processes [[electronic resource] /] / edited by Gian Paolo Chiusoli, Peter M. Maitlis
Pubbl/distr/stampa	Cambridge, : RSC Pub., c2006
ISBN	1-61583-365-X 1-84755-532-2
Descrizione fisica	1 online resource (311 p.)
Altri autori (Persone)	ChiusoliGian Paolo MaitlisPeter M. <1933->
Disciplina	660/.2995
Soggetti	Catalysis - Industrial applications Metal catalysts - Industrial applications Chemical industry 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 index.
Nota di contenuto	Metal-catalysis in Industrial Organic Processes_publicity; i_iv; v_vi; vii_xvi metal catalysis contents; xvii_xx; 001_022; 023_078; 079_113; 114_162; 163_200; 201_217; 218_254; 255_268; 269_282; 283_290
Sommario/riassunto	Catalysis underpins most modern industrial organic processes. It has become an essential tool in creating a 'greener' chemical industry by replacing more traditional stoichiometric reactions, which have high energy consumption and high waste production, with mild processes which increasingly resemble Nature's enzymes. Metal-Catalysis in Industrial Organic Processes considers the major areas of the field and discusses the logic of using catalysis in industrial processes. This popular book, now available as softback, provides information on oxidation, hydrogenation, carbonylation, C-C bond forma

2. Record Nr.	UNINA9910523737803321
Titolo	Conserving Stone Heritage : Traditional and Innovative Materials and Techniques / / edited by Francesca Gherardi, Pagona Noni Maravelaki
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	9783030829421 3030829421
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (292 pages)
Collana	Cultural Heritage Science, , 2366-6234
Disciplina	693.1 721.0441
Soggetti	Ceramic materials Cultural property Buildings - Repair and reconstruction Buildings - Maintenance Materials - Analysis Arts Coatings Ceramics Cultural Heritage Building Repair and Maintenance Characterization and Analytical Technique Fine Art
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Dedication -- Preface -- Chapter 1. Preliminary investigations, condition assessment and mapping of the deterioration patterns -- Chapter 2. Surface cleaning: implications from choices & future perspectives -- Chapter 3: Laser cleaning on stonework; principles, case studies and future prospects -- Chapter 4. Stone consolidation. Between science and practice -- Chapter 5. Current and future trends in protective treatments for stone heritage -- Chapter 6. Mortars for Restoration: set-up parameters and developing mortar design areas --

Chapter 7. Repair mortars/grouts for reinstatement of stone units in Historic Structures -- Chapter 8. In situ assessment of conservation treatments and monitoring of their effectiveness.

Sommario/riassunto

The design of treatments for the conservation of stone in historical buildings and works of art is a challenging task, as a deep understanding of the working properties and performance of the available products and methods is required to tackle complex decay patterns. The chapters in this book illustrate the state of the art on traditional and innovative materials and methods for stone conservation, examining current trends and future perspectives. Each of them is focused on describing the consequent phases that complement the spectrum of the conservation intervention: preliminary investigations, condition assessment, and mapping of the deterioration patterns; surface cleaning, with a specific focus on laser technology; consolidation; protection; repair mortars and grouts; and onsite assessment and monitoring of conservation treatments. The performance of the applied conservation interventions is criticized and discussed with an aim of providing the specialists with specific tools for stone conservation. This book intends to bridge the gap between laboratory studies and conservation interventions, by linking together the diverse scientific areas involved in the preservation of stone heritage. Different case studies are included, highlighting specific conservation challenges and their solutions in order to understand and overcome them. The aim is to guide conservators, conservation scientists and heritage stakeholders in the selection of compatible and sustainable materials and techniques for Conserving Stone Heritage.
