1. Record Nr. UNINA9910824616503321

Autore	Nowicki Krzysztof
Titolo	Final Neolithic Crete and the southeast Aegean / / Krzysztof Nowicki
Pubbl/distr/stampa	Berlin ; ; Boston : , : DeGruyter, , [2014] ©2014
ISBN	1-61451-982-X 1-61451-037-7
Descrizione fisica	1 online resource (508 pages)
Disciplina	939/.1801
Soggetti	Excavations (Archaeology) - Greece - Crete Bronze age - Aegean Sea Region Civilization, Aegean Crete (Greece) Antiquities Aegean Sea Region Antiquities
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Geography of the south Aegean -- The Neolithic beginning -- The final Neolithic in Crete : terminology and chronology -- The final Neolithic in Crete : the sites -- The final Neolithic in Crete : material culture -- The final Neolithic/late Chalcolithic in the southeast Aegean -- Concluding remarks.
Sommario/riassunto	"This book presents an archaeological study of Crete in transition from the Neolithic to the Early Bronze Age (c. 4000 to 3000 BC) within the broader South Aegean context. The study, based on the author's own fieldwork, contains a gazetteer of over 170 sites. The material from these sites will prompt archaeologists in Greece, Turkey, and the Middle East to reconsider their understanding of the foundation of Bronze Age civilization in the Aegean"--

2. Record Nr. UNINA9910983324503321

Autore	Talreja Neetu
Titolo	Waste-Derived Carbon Nanostructures : Synthesis and Applications / / edited by Neetu Talreja, Divya Chauhan, Mohammad Ashfaq
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031752476 3031752473
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (479 pages)
Collana	Nanostructure Science and Technology, , 2197-7976
Altri autori (Persone)	ChauhanDivya AshfaqMohammad
Disciplina	620.5
Soggetti	Nanotechnology Materials Catalysis Force and energy Sustainability Nanoscale Design, Synthesis and Processing Materials for Energy and Catalysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Waste-Derived Carbon Nanomaterials (WD-CBNMs): Synthesis and Characterization -- Agrowaste-Derived 'Natural' Carbon Nanomaterial with Versatile Applications: Bacterial Cellulose -- Synthesis of carbon nanomaterials from agro-industrial wastes and their extensive applications -- Biological waste-derived carbon dots and their applications -- Waste-derived Cellulose Nanomaterials Based Membranes for Water Filtration Application -- Waste-derived Graphene for the removal of heavy metals: A sustainable approach towards environmental remediation -- Rice Waste-derived Carbon Nanomaterials for Environmental Applications -- Nutshell-derived efficient carbon nanomaterials as a potential smart electrode material for electrocatalytic hydrogen production -- Agricultural waste derived carbon nanomaterials for biomedical applications -- Synthesis and Characterization of Bio-based Carbon Nanomaterials from Agricultural Waste for Tissue Engineering Application -- Waste driven Carbon

	Nanomaterials for drug delivery application -- Waste derived carbon nanotubes (CNTs): A revolutionary product towards energy applications -- Waste-derived Carbon Nanomaterials for Solar Cell Applications -- Waste-derived carbon nanomaterials for Microbial Fuel Cells -- Waste-derived Graphene: A new avenue for Supercapacitors.
Sommario/riassunto	This contributed volume focuses on the development of waste-derived carbon nanostructures (WD-CNs) from various waste materials, such as municipal garbage, plastics, industrial waste, and agricultural residues, highlighting their potential for recycling in a circular economy. It explores synthetic processes that convert waste into valuable carbon nanomaterials, reducing the need for cleansing and lowering the carbon footprint compared to traditional methods. The book also examines the functionalization of WD-CNs for diverse applications in energy, environment, and biology, promoting sustainable innovation and commercialization of green technologies. It is a useful tool for researchers, graduate students and professionals working in the fields of materials science, nanotechnology, environmental science, and chemical engineering. .

3.

Record Nr.	UNINA9910254049003321
Autore	Acosta Matias
Titolo	Strain Mechanisms in Lead-Free Ferroelectrics for Actuators / / by Matias Acosta
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-27756-1
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (191 p.)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5053
Disciplina	537.244
Soggetti	Ceramics Glass Composite materials Materials science Spectrum analysis Microscopy Ceramics, Glass, Composites, Natural Materials Characterization and Evaluation of Materials Spectroscopy and Microscopy

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 at the end of each chapters.
Nota di contenuto	Introduction -- Theoretical -- Literature Review: Piezoceramics for Actuator Applications -- Experimental Procedure -- Results and Discussions.
Sommario/riassunto	This book addresses and analyzes the mechanisms responsible for functionality of two technologically relevant materials, giving emphasis on the relationship between structural transitions and electromechanical properties. The author investigates the atomic crystal structure and microstructure by means of thermal analysis, as well as diffraction and microscopy techniques. Electric field-, temperature- and frequency-dependent electromechanical properties are also described. Apart from this correlation between structure and properties, characterization was also performed to bridge between basic research and optimization of application-oriented parameters required for technological implementation. The author proposes guidelines to the reader in order to engineer functional properties in other piezoelectric systems, as well as in other similar functional materials with the perovskite structure.