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Autore	Lantella, Lelio
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2. Record Nr.	UNINA9911020044103321
Titolo	Advanced processing and manufacturing technologies for structural and multifunctional materials [[electronic resource]] . II : a collection of papers presented at the 32nd International Conference on Advanced Ceramics and Composites, January 27-February 1, 2008, Daytona Beach, Florida / / editors, Tatsuki Ohji, Mrityunjay Singh ; volume editors, Tatsuki Ohji, Andrew Wereszczak
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Collana	Ceramic engineering and science proceedings ; ; v. 29, issue 9
Altri autori (Persone)	OhjiT (Tatsuki) SinghM (Mrityunjay) WereszczakAndrew
Disciplina	620.11
Soggetti	Ceramic materials Composite materials Manufacturing processes
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	<p>Advanced Processing and Manufacturing Technologies for Structural and Multifunctional Materials II; Contents; Preface; Introduction; Development and Characterization of the Bonding and Integration Technologies Needed for Fabricating Silicon Carbide Based Injector Components; Bonding and Integration of C-C Composite to Cu-Clad-Molybdenum for Thermal Management Applications; Polymer Impregnation and Pyrolysis Process Combined with Powder Space Holder Technique (PSH-PIP); Oxidation Behavior of C/C-SiC Composites in Open Atmosphere</p> <p>Processing Method for Interpenetrating Network Metal-Ceramic Composites with a Non-Linear Compositional Gradient3-D Simulation of Self-propagating High-Temperature Synthesis of Solid Oxide Fuel Cell Cathode Materials; Influence of Green Part Microstructure and Sintering Atmosphere on the Formation of Porous Silicon Nitride Ceramics with Yb-Silicate Matrix; R-SiC for Novel Gel-Cast Cross Flow Filter; Reaction Bonded SiC Processed with Two Different Types of Carbon Precursors; Evidence of Uniform Microstructure in Microwave Sintered Yttria Stabilized Zirconia (YSZ) by Impedance Analysis Modeling of Field Assisted Sintering Technology (FAST) and Its Application to Electro-Conductive SystemsPolydimethylsiloxane Derived Ceramics: Influence of Pyrolysis Temperature on Ceramic Phases; Freeform Fabrication of Alumina Dental-Crown Models by Using Stereolithography; Silicon Nitride Rapid Decomposition for Formation of Nanosized Powders for Shaping Microdevices; The Relation between Peierls and Mott-Hubbard Transition in VO₂ by Tunneling Spectroscopy; Localization of Terahertz Waves in Photonic Fractal Arrays of Alumina Fabricated by Micro-Stereolithography Anisotropic Varistor via Magnetic TexturingFaradayan Process for Electrophoretic Deposition of Thermal Barrier Coatings; Indium Tin Oxide Ceramic Rotary Sputtering Targets for Transparent Conductive Film Preparation; The Effect of Doping with Titania and Calcium Titanate on the Microstructure and Electrical Properties of the Giant Dielectric Constant Ceramic CaCu₃Ti₄O₁₂; Synthesis and Characterization of Electrodeposited Nickel Nanowires; Crystallization of Titania Films in Aqueous Solutions and Their Dye Adsorption Properties</p> <p>Micro Scale Measurement of Thermal Effusivity/Conductivity of SiC by Thermal MicroscopeAuthor Index</p>
Sommario/riassunto	<p>This volume provides a one-stop resource, compiling current research on advanced processing and manufacturing technologies for structural and multifunctional materials. It is a collection of papers from The American Ceramic Society's 32nd International Conference on Advanced Ceramics and Composites, January 27-February 1, 2008. Topics include advanced processing and manufacturing technologies for a wide variety of non-oxide and oxide based structural ceramics, ultra-high temperature ceramics and composites, particulate and fiber reinforced composites, and multifunctional materials. This is a v</p>

3. Record Nr.	UNINA9911020425703321
Autore	Almulhim Abdulaziz I
Titolo	Urbanization, Climate Change, and Health : Integrating Strategies for Sustainable and Resilient Cities // edited by Abdulaziz I. Almulhim, Walter Leal Filho, Ayyoob Sharifi
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-99132-X
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (402 pages)
Collana	Climate Change Management, , 1610-2010
Altri autori (Persone)	Leal FilhoWalter SharifiAyyoob
Disciplina	304.2
Soggetti	Sustainability Urban policy Environmental health Bioclimatology Urban ecology (Biology) Urban Policy Environmental Health Climate Change Ecology Urban Ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I: Foundations and Regional Perspectives on Climate Change, Urbanization, and Health -- 1: Urbanization under Global Climate Change with Health Impacts and Strategies for Sustainable and Resilient Cities -- 2: Expert Perspectives on Climate Change and Public Health in Port Cities: A Case Study of Mumbai -- 3: Climate Change and Mental Health Resilience in Northern Coast of Java's Island, Indonesia Coastal Communities: Challenges and Adaptations -- 4: A Study of Small and Medium-Sized Towns of Eastern Uttar Pradesh in the Context of Climate Change Implications, Environment, and Sustainability Challenges -- 5: Urban Resilience in the Face of Climate Change: Lessons from Spain -- 6: Climate Change and Public Health in Senegal: An In-Depth Analysis of Impacts and Sustainable Urban Solutions --

Part II: Integrating Health, Climate, and Social Systems in Urban Policy and Design -- 7: Salutogenic Urbanism: Bridging Climate Challenges to Healthy Cities -- 8: Conceptualizing the Integration of Sexual and Reproductive Health and Rights and Climate Change in Early Warning Systems -- 9: Genealogy of the Concept of Healthy Housing -- 10: Green and Blue Spaces: Enhancing Urban Health and Resilience -- 11: Sustainable Urban Mobility: Bridging Health, Climate, and Mobility for a Better Future -- Part III: Tools, Strategies, and Innovations for Sustainable and Resilient Urban Futures -- 12: Developing a Framework for Microclimate Assessment of Indian Cities -- 13: Evaluating the Impact of Land Use and Green Space on Urban Heat Mitigation: Insights from Mirpur Botanical Garden and Surrounding Areas -- 14: Building for Tomorrow: Climate-Resilient Infrastructure Strategies for Urban Sustainability.

Sommario/riassunto

This book seeks to provide a comprehensive examination of the critical intersection between urbanization, climate change, and public health. As urban areas expand and face increasing pressures from environmental changes and population growth, there is a growing need for integrated approaches that address these intertwined challenges. This book aims to explore how urban planning, public health, and climate resilience can be aligned to create cities that are not only sustainable but also capable of supporting the well-being of their residents. Designed as a vital resource for urban planners, public health professionals, policymakers, environmentalists, and academics, this book offers insights into strategies for fostering urban environments that can adapt to climate-related challenges while enhancing public health. It covers a wide range of topics, including the design of resilient infrastructure, the creation of green spaces, sustainable urban mobility, and the role of governance and policy in promoting urban health. Additionally, this book emphasizes the importance of community engagement and ethical considerations in urban planning processes. The primary objective is to present a multidisciplinary approach to urban development that addresses the interconnected issues of climate change and public health. By integrating case studies, best practices, and innovative strategies, this book seeks to equip readers with the tools needed for informed decision-making and strategic planning. Ultimately, it aims to inspire the creation of urban spaces that are not only resilient and sustainable but also inclusive and health-promoting, ensuring that cities can thrive in the face of future challenges.
