1. Record Nr. UNINA9910688500003321

| | |
|---|---|
| Titolo | Estuaries and Coastal Zones / / Jiayi Pan, editor |
| Pubbl/distr/stampa | London : , : IntechOpen, , 2020 |
| Descrizione fisica | 1 online resource (268 pages) |
| Disciplina | 551.4609 |
| Soggetti | Estuarine oceanography<br>Estuaries |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Sommario/riassunto | Estuaries and their surrounding wetland regions are among the most productive ecosystems in the world, with more than half of humanity inhabiting their shores. Anthropogenic factors make estuaries highly susceptible to ecosystem degradation. Coastal waters are closely connected with human activity, and their dynamic processes may greatly affect coastal environments. This book provides a compendium of studies on estuarine dynamics, river plumes, and coastal water dynamics, studies that have investigated the changes in estuarine and coastal zones in response to sea-level rise and other environmental factors, and policy and management strategies to ensure the health and economy of coastal zones. This book aims to display novel frontiers in these fields and may help to inspire in-depth studies in the future. |

2. Record Nr. UNINA9910822291503321

| | |
|---|---|
| Titolo | Diamond and other new carbon materials - IV : proceedings of the 4th International Conference "Diamond and Other New Carbon Materials" of the Forum on New Materials, part of CIMTEC 2006 - 11th International Ceramics Congress and 4th Forum on New Materials, held in Acireale, Sicily, Italy on June 4-9, 2006 / / edited by P. Vincenzini, World Academy of Ceramics and National Research Council, Italy, E. Cappelli, CNR - ISC, Rome, Italy |
| Pubbl/distr/stampa | Stafa-Zuerich : , : Trans Tech Publication, Limited, on behalf of Techna Group, , [2006]<br>©2006 |
| ISBN | 3-03813-096-6 |
| Descrizione fisica | 1 online resource (187 p.) |
| Collana | Advances in science and technology, , 1661-819X ; ; volume 48 |
| Altri autori (Persone) | VincenziniP<br>CappelliE |
| Disciplina | 187 |
| Soggetti | Diamonds, Artificial<br>Diamond thin films |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | "'Diamond and other new carbon materials - IV', Advances in science and technology, 48, ." |
| Nota di bibliografia | Includes bibliographical references and indexes. |
| Nota di contenuto | Diamond and Other New Carbon Materials IV; Committee; Preface; Table of Contents; Session 1 - Growth Processing and Structural Characterization; Growth of Phosphorous Doped n-Type Diamond and the Electrical Properties; Microplasma Synthesis of Carbon Nanostructured Materials; Effect of Bias Voltage on the Physical Properties of Hydrogenated Amorphous Carbon Films Grown by Electron Cyclotron Resonance Chemical Vapour Deposition ; CVD Grow of Nano Diamond and Other Carbon Materials on Porous Carbon Synthesis and Characterization of Single-Wall Carbon Nanotubes Grown by Chemical Deposition of Ethanol VaporThermal CVD Growth of Carbon Nanotubes Thick Layers; Nanocrystalline Diamond Films by Bias Enhanced Nucleation and Argon Assisted Growth in a HFCVD System; Purification of Multi-Walled Carbon Nanotubes Grown by Thermal CVD on Fe-Based Catalyst; Influence of Temperature on Nano-Graphene |

Structuring of PLD Grown Carbon Films - An X-Ray Diffraction Study; XRDT and TEM Study of Defects and Polytypism in Natural Moissanite and Synthetic SiC Crystals
Synthesis of Carbon Nanotubes by the Catalytic Decomposition of MethaneSession 2 - Electronic and Optoelectronic Properties and Applications; High-Field Electrical Transport in Single Crystal CVD Diamond Diodes; Nanodiamond Lateral Field Emission Diode Devices; Vacuum Thermionic Energy Conversion Based on Nanocrystalline Diamond Films; Surface Conductivity of Diamond: A Novel Doping Mechanism; Single Crystal CVD Diamond Nuclear Detectors; Growth and Characterization of Tungsten Oxide for Applications in Nanoelectronics; Carbon Nanowalls Formation by Radical Controlled Plasma Process
Use of Electric Discharge Sintering for Elaboration of Diamond ToolsSession 3 - Acoustic, Electrochemical and Biochemical Properties and Applications; Normally Closed Microgrippers Based on Diamond Like Carbon Structures; Diamond Loudspeaker Cones for High-End Audio Components; Carbon Materials in Biochemistry and Biophysics; Nanoporous-Carbon Coatings for Gas-Phase Chemical Microsensors; Electrocatalytic Behaviour of Diamond Electrode for Organic Compound; Keywords Index; Authors Index

Sommario/riassunto

This collection presents 24 papers. Altogether, the collection offers a wealth of up-to-date information on Diamond and Other New Carbon Materials.