1. Record Nr. UNINA9910791911503321

Titolo	Advanced structural and functional materials for protection : selected, peer reviewed papers from the Symposium T on Advanced Structural and Functional Materials for Protection, International Conference on Materials for Advanced Technologies (ICMAT2011), International Convention & Exhibition Centre June 26 - July 1, 2011, Singapore / / edited by Ma Jan and Santhiagu Ezhilvalavan
Pubbl/distr/stampa	Durnten-Zurich, Switzerland : , : Trans Tech Publications, , 2012 ©2012
ISBN	3-03813-698-0
Descrizione fisica	1 online resource (149 p.)
Collana	Solid State Phenomena, , 1662-9787 ; ; Volumes 185
Altri autori (Persone)	JanMa EzhilvalavanSanthiagu
Disciplina	623.38
Soggetti	Smart materials Textile fabrics - Technological innovations
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 and indexes.
Nota di contenuto	Advanced Structural and Functional Materials for Protection, ICMAT 2011; Preface; Table of Contents; ZnO Nanostructures for Sensor Applications; Wave Scattering Phenomena for Health Monitoring of Hard-to-Inspect Defects ; Thermoelectric Properties of N-Type Bi2Te2. 7Se0.3 and P-Type Bi0.5Sb1.5Te3 Films for Micro-Cooler Applications; Atomic Layer Deposition of Thin Inorganic Coatings onto Renewable Packaging Materials; Corrosion Resistance of Pulse-Electroplated Ni-W Alloys; Development of Piezoelectric Diaphragm Pump Multiwalled Carbon Nanotubes Reinforced Portland Cement Composites for Smoke DetectionImproved Electrical and Mechanical Properties of Niti/TiOx/PZT/TiOx Thin Film Heterostructures; Investigation of Trapped Charges-Induced Stain Formation on RF-PECVD Diamond-Like Carbon Films; Athermal Martensites, Temperature-Time-Transformation Diagrams and Thermal Hysteresis: Monte Carlo Simulations of Strain Pseudospins; Developing Woven Enhanced Silk Fabric for Ballistic Protection; Effect of In Doping on Thermoelectric and

Magnetoresistive Properties of ZnO Films Prepared by RF Magnetron Sputtering
Fabrication and Spectroscopic Properties of Transparent Yb:YAG Laser CeramicsOn the Design of Bi-Layer Armor Materials; Fabrication and Properties of High Quality Transparent Ho:YAG Ceramics; Fabrication and Upconversion Luminescence of Highly Transparent Er:YAG Ceramics; Electro-Optic Properties of (100)-Oriented (Pb,La(Zr,Ti)O3 Thin Film; Novel Piezoelectric Tactile Sensor Materials with Improved Properties; ZnO Surface Acoustic Wave Sensor for the Enhanced Detection of DMMP; Study on the Growth and Corrosion Resistance of Manganese Phosphate Coatings on 25Cr2Ni4WA Alloy Steel
Investigating the Thermoelectric and Structural Properties of Bismuth Telluride Thin Films for Harvesting Energy from Waste HeatMechanical Properties of AlCrTiSiN Coatings Developed by Cathodic Arc for Protection Applications; Evolution of Microstructures on GTA Welded AISI304 Subjected to Hot Corrosion at 700°C under Na2SO4 + V2O5 (60%); Assessment of Mechanical and Corrosion Properties of GTA Welded Monel 400 Plates Exposed to Air Oxidation at 700°C
Enhancing the Char Resistant of Expandable Graphite Based Intumescent Fire Retardant Coatings by Using Multi-Wall Carbon Nano Tubes for Structural SteelEffect of Sputtering Process Parameters on the Thermoelectric Properties of P and N-Type Bi2Te3 Films; Damage Monitoring in Realistic Structures Using Lamb Waves; Effects of Sintering Temperature and Cooling Rate on Mechanical Properties of Powder Injection Molded 316L Stainless Steel; Developing New Sol-Gel Surface Treatments Formulation for Bonded Repair of Aircraft
Green Inhibitors: Anti Corrosive Propensity of Garcinia mangostana for Aluminum 1100

Sommario/riassunto

This collection of 37 papers describes materials for protecting civilians and soldiers against vehicle collision, blast-damage, fragmentation and unconventional attack. They also treat multi-functional materials for enhancing civilian and soldier performance under extreme conditions. The detailed topics include the atomic-layer deposition of thin inorganic coatings into renewable packaging materials, the development of woven enhanced silk fabric for ballistic protection, novel piezo-electric tactile sensor materials having improved properties, enhancement of the char resistance of expandable g

2. Record Nr. UNINA9910814604603321

Titolo	Animal cell biotechnology : in biologics production / / edited by Hansjorg Hauser, Roland Wagner
Pubbl/distr/stampa	Berlin ; ; Boston : , : Walter de Gruyter GmbH & Company KG, , [2015] ©2015
ISBN	3-11-027896-0 3-11-038142-7
Descrizione fisica	1 online resource (718 p.)
Classificazione	WX 6603
Disciplina	660.6
Soggetti	Animal cell biotechnology Pharmaceutical biotechnology
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	Use and perspectives of animal cell culture / Roland Wagner, Hansjorg Hauser -- Generation of cell lines and biotechnological applications / Christoph Lipps, Tobias May, Dagmar Wirth -- Cho history, cho evolution and cho genomics : an unsolvable enigma? / Florian Wurm -- Cell lines for vaccine production / Ingo Jordan, Volker Sandig -- Molecular cytogenetics characterization / Roderick A.F. MacLeod, Hans G. Drexler -- Cross-contamination and microbiological contaminations / Wilhelm G. Dirks, Cord C. Uphoff -- Cell line evolution and engineering / Hitto Kaufmann -- Gene amplification and chromosomes / Takeshi Omasa, Kyoungho Lee -- Synthetic mammalian designer cells / David Auslander, Martin Fussenegger -- Rational approaches for transgene expression : targeted integration and episomal maintenance / Natascha Kruse, Shawal Spencer, Dagmar Wirth -- Manipulation of cell growth, metabolism and product quality attributes / Hans Henning von Horsten, Karsten Winkler, Volker Sandig -- Control of biotherapeutics glycosylation / Sandra V. Bennun, Kelley M. Heffner, Emily Blake, Andrew Chung, Michael J. Betenbaugh -- Manufacturing of complex protein products / Lore Florin, Søren K. Rasmussen, Torben P. Frandsen, Anne B. Tolstrup -- Physiology and metabolism of animal cells for production / Venkata Tayi, Michael Butler -- Functional omics for cell lines and processes / Karina Brinkrolf, Raimund Hoffrogge,

Matthias Hackl, Andreas Tauch, Martina Baumann, Thomas Noll, Alexander Goesmann, Alfred Puhler, Nicole Borth -- Nutrient media for cell culture technology / Claudia Altamirano, Julio Berrios, Mauricio Vergara -- Bioreactors for animal cell culture / Detlef Eisenkraetzer -- High cell density cultivation processes / Natalia Ceaglio, Mariela Bollati-Fogolin, Marcos Oggero, Marina Etcheverrigaray, Ricardo B. Kratje -- Industrial cell culture process scale-up strategies and considerations / Weiwei Hu, Kelly Wiltberger -- Extraction and purification of biologics from cell culture / Nuno Fontes, Jens Vogel -- Concepts and technologies for advanced process monitoring and control / John Paul Smelko, Thomas Ryll, Dethardt Muller -- Analytical techniques and quality control of protein therapeutics / Amy Hong Que, Yang Wang, Steven Ziyi Kan -- Process characterization for upstream and downstream development / Vijay Janakiraman, Matt Westoby, Lin Conley -- Spatiotemporally controlled delivery of biopharmaceuticals / Balder Rebmann, Peter van Hoogevest, Matias Zurbriggen, Wilfried Weber.

Sommario/riassunto

This book introduces fundamental principles and practical application of techniques used in the scalable production of biopharmaceuticals with animal cell cultures. A broad spectrum of subjects relevant to biologics production and manufacturing are reviewed, including the generation of robust cell lines, a survey of functional genomics for a better understanding of cell lines and processes, as well as advances in regulatory compliant upstream and downstream development. The book is an essential reference for all those interested in translational animal cell-based pharmaceutical biotechnology.