1. Record Nr. UNINA9910144715603321

Autore	Fung Wing Kam
Titolo	Statistical DNA forensics [[electronic resource]] : theory, methods and computation / / Wing Kam Fung and Yue-Qing Hu
Pubbl/distr/stampa	Chichester, England ; ; Hoboken, NJ, : John Wiley & Sons, c2008
ISBN	1-281-32195-8 9786611321956 0-470-72704-7 0-470-72703-9
Descrizione fisica	1 online resource (265 p.)
Collana	Statistics in practice
Altri autori (Persone)	HuYue-Qing
Disciplina	614.1 614.10727
Soggetti	Forensic genetics - Statistical methods Forensic genetics - Data processing Forensic genetics - Computer programs 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 (p. [229]-236) and index.
Nota di contenuto	Introduction -- Probability and statistics -- Population genetics -- Parentage testing -- Testing for kinship -- Interpreting mixtures -- Interpreting mixtures in the presence of relatives -- Other issues.
Sommario/riassunto	Statistical methodology plays a key role in ensuring that DNA evidence is collected, interpreted, analyzed and presented correctly. With the recent advances in computer technology, this methodology is more complex than ever before. There are a growing number of books in the area but none are devoted to the computational analysis of evidence. This book presents the methodology of statistical DNA forensics with an emphasis on the use of computational techniques to analyze and interpret forensic evidence.

2. Record Nr. UNINA9910790315403321

Titolo	Structural analysis of advanced materials [[electronic resource]] : selected, peer reviewed papers from the International Conference on Structural Analysis of Advanced Materials (ICSAAM - 2009), September 7-10, 2009, Tarbes, France / / edited by Moussa Karama
Pubbl/distr/stampa	Stafa-Zurich ; ; Enfield, N.H., : Trans Tech, 2010
ISBN	3-03813-347-7
Descrizione fisica	1 online resource (171 p.)
Collana	Key engineering materials, , 1013-9826 ; ; v. 446
Altri autori (Persone)	KaramaMoussa
Disciplina	620.11 624.18
Soggetti	Materials Structural analysis (Engineering)
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 indexes.
Nota di contenuto	Structural Analysis of Advanced Materials; Preface; Table of Contents; Detectors in Barrier Structures of Metal-Lamellar Semiconductors; The Influence of Some Technological Parameters on the Fracture Toughness of Ceramic Materials; Manufacturing of Carbonaceous Materials Based on Olive Stones Biomass for Electrochemical Applications; Physicochemical and Electro-Rheological Characterization of Kaolinite / CMS / Silicone Oil Fluid; The Effect of the Cure Temperature on the Thermomechanical Characteristics of an Adhesive Study of DGEBA and Novolac Adhesives Hydrothermal Ageing for a Ceramic/ Steel Substrates Bonding AssemblyInfluence of Strain Rate on the Yielding Behavior and on the Self Heating of Thermoplastic Polymers Loaded under Tension; Dynamic Response of Symmetric and Asymmetric E-Glass / Epoxy Laminates at High Strain Rates; Influence of Process and Material Parameters on Impact Response in Composite Structure: Methodology Using Design of Experiments; Approximate Solution of the Structural Problems Using Probabilistic Transformation Structural Shape Optimization Using an Adaptive Simulated AnnealingGraft Interpenetrating Continuous Epoxy-Polysiloxane Polymeric Network; Experimental and Numerical Modelling of LRI Process; BEM Simulation of 3D Updated Resin Front for LCM Processes;

	FEA of Dynamic Behavior of Top Hat Bonded Stiffened Composite Panel; Experimental Characterization of Behavior Laws for Titanium Alloys: Application to Ti5553; Effect of Ductile Damage Evolution in Sheet Metal Forming: Experimental and Numerical Investigations; Keywords Index; Authors Index
Sommario/riassunto	The increased use of advanced materials in high efficiency structures - electronic devices, medical equipment, aircraft and vehicles - requires improved reliability, resistance to breakdown and improved failure and life-span forecasting for a wide range of loading conditions. The development of materials having advanced structural properties is becoming a key factor in industrial and technological progress. The aim of the special collection is to provide a forum for engineers, researchers, scientists and industrial experts to present their work and discuss the current situation with regard to