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Altri autori (Persone)	KaramaMoussa
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Nota di bibliografia	Includes bibliographical references and keyword and author indexes.
Nota di contenuto	Dynamics of the Structures and Non Destructive Testing; Preface; Table of Contents; An Analytical Method for Free Vibration Analysis of Composite Beams Subjected to Initial Thermal Stresses; Polynomial Approach Modeling of Resonator Piezoelectric Disc; Study of the Transmission of Ultrasonic Guided Wave at the Junction of Two Different Elastic Plates with the Presence of a Defect; Identification of the Dynamic Coefficients of Hybrid Bearings; Impact Resistance of Composite Materials under Biaxial Preloading; Characterization of Grains Size by Ultrasounds Identification of Materials Properties Using Displacement Field MeasurementPhysical and Mechanical Properties of the Reinforced Polyester: Characterization - Probabilistic Analysis; Seismic Vulnerability Assessment Using the Instrumentation of an Existing Building; High Temperature Tribological Behaviour of Metal Matrix Composites Produced by SPS; Keywords Index; Authors Index
Sommario/riassunto	With energy costs increasing, the gains to be made from weight-saving are most significant in the aerospace domain, but such gains are clearly also advantageous for road transport and this is even beginning to be

recognised in shipbuilding. Consequently, improved reliability and resistance to degradation and durability in severe environments are always important requirements. Thus the development of composites, nano-composites and refractory alloys having specific properties has become a key factor in industrial and technological progress. Another challenge is the recyclability of advanced mat

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