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Titolo	Advances in fracture and damage mechanics XIII : selected, peer reviewed papers from the 13th International Conference on Fracture and Damage Mechanics (FDM 2014), September 23-25, 2014, Sao Miguel Island, Azores, Portugal / / edited by J. Alfaiate and M.H. Aliabadi
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Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Advances in Fracture and Damage Mechanics XIII; Preface and Committees; Table of Contents; Lamb-Wave Based Damage Detection in Anisotropic Composite Plates; Analysis of 3D Planar Crack Problems by Body Force Method; Long Life Fatigue Behavior of Shot Peened Steels; A Finite Fracture Mechanics Model for the Prediction of the Notched Response and Large Damage Capability of Composite Laminates; Low-Cost System to Evaluate Impact Localization in Composite Plates; Modeling Delamination Growth in Composite Panels Subjected to Fatigue Load Definition of a Constitutive Material Model for Progressive Failure Analysis of Composite Laminates Round Timber Bolted Joints with Steel Plates under Static and Cyclic Loading; A Multiscale Approach to Polycrystalline Materials Damage and Failure; A Multi-Scale Scheme for Modelling Fracture under Dynamic Loading Conditions; Estimation of the Crack Behaviour in the Compressive Layer of the Alumina-Zirconia Ceramic Laminate; Fatigue Life Assessment of Self-Expandable NiTi Stent; Modelling Mixed-Mode Fracture Using an Energy-Based Damage Model Multi-Scale Mechanical Property Characterisation of Quasi-Brittle Filter

GraphiteFE Analysis of Functionally Graded Material Plate during Debonding Case with Different Boundary Conditions; Optimized Design of Strengthening Structure with Hat-Shaped Cross-Section by Carrying out Buckling Test; High Magnification Studies of Fatigue Crack Propagation; Fracture Behavior of Notched Round Bars Made of Gray Cast Iron Subjected to Torsion; Polymethylmethacrylate Data from U-Notched Specimens and V-Notches with End Holes: A Synthesis by Means of Local Energy
High Temperature Fatigue Tests of a Cu-Be Alloy and Synthesis in Terms of Linear Elastic Strain Energy Density Fatigue Behaviour of DLC Coated Al 7075-T6 Alloy in an Aggressive Mixture; Gaussian Specimens for Gigacycle Fatigue Tests: Evaluation of Temperature Increment; Vibrational and Inertial Effects of Methane Hydrates in the Failure of a Pipeline; Evaluation by FEM of the Influence of the Preheating and Post-Heating Treatments on Residual Stresses in Welding; Fatigue Behaviour of Full Scale Flat Stiffened Aeronautic Panels; Numerical Study of a Plate with a Pre-Cracked Circular Notch
Numerical Simulation and Experimental Investigation of Damage Behaviour on Al6061 Laser Welded Joints Flexural Property and Mode I Interlaminar Fracture Toughness of Plain Woven Carbon Fiber Reinforced Plastics after Water Absorption and Freezing; Effect of Acid Treatment on Mechanical Performance of Polyvinyl Alcohol/Halloysite Nanocomposites; A Theory for Mathematical Framework of Fatigue Damage on S-N Plane; Topology Optimization of Geometrically Non-Linear Structures Using Iso-XFEM Method; Fracture Mechanisms in High-Cycle Fatigue of Selective Laser Melted Ti-6Al-4V
Investigation of Residual Stresses in Selective Laser Melting

Sommario/riassunto

Collection of selected, peer reviewed papers from the 13 th International Conference on Fracture and Damage Mechanics (FDM 2014), September 23-25, 2014, Sao Miguel Island, Azores, Portugal.
