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Metal Matrix Composites Made from Thermally Sprayed Ceramic Fiber Laminates; Processing of Non-Oxide Ceramic Matrix Composites: An Overview; CMC-Processing from Powders by Hot-Pressing Manufacturing and Properties of CMCs Containing Ti Filler with Improved Intra-Matrix Bond Impregnation of 3D Woven Carbon Fibre Preforms by Electrophoretic Deposition of Single and Mix of Non Oxide Ceramic Nanoscale Powders, and Densification of the Composite Material; Modelling of the CVI Processes; Chemical Vapor Infiltration of Carbon Fiber Felts from Methane: Influence of Surface Area / Volume Ratios; Laser CVD of Filaments; Session 4 - Property and Behaviour Characterization; Advanced Design Concepts and Modeling of Composite Materials in Emerging Applications; CMC and C/C-SiC-Fabrication
Static Fatigue of a 2.5D SiC/[Si-B-C] Composite at Intermediate Temperature under Air Mechanical Behaviour Al-Matrix Composite Wires in Double Composite Structures; Session 5 - Applications; Composites in Aerospace Industry; Lightweight Engineering with Advanced Composite Materials - Ceramic and Metal Matrix Composites; Advanced Composite Materials for Current and Future Propulsion and Industrial Applications ; Keywords Index; Authors Index

Sommario/riassunto

This collection presents 23 papers. Altogether, the collection offers up-to-date information on Advanced Inorganic Fibrous Composites.
