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Autore	Liu Xiaochong
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Soggetti	Ceramic materials Aerospace engineering Astronautics Composite materials Materials - Analysis Ceramics Aerospace Technology and Astronautics Composites Materials Characterization Technique Characterization and Analytical Technique
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Nota di contenuto	Introduction -- High-temperature Mechanical Properties of Ceramic-Matrix Composites -- Design, Fabrication and Testing of CMC High-pressure Turbine Guide Vane -- Design, Fabrication and Testing of CMC Combustor Liner -- Design, Fabrication and Testing of CMC Turbine Blisk.
Sommario/riassunto	Ceramic-matrix composites (CMCs) possess high specific strength and specific modulus and have already been applied in hot-section components of aeroengines. The book focuses on the design, fabrication and testing of different CMC components, e.g., turbine guide vanes, combustor liner, and turbine blisk, etc. The high-temperature mechanical properties, and performance requirements of the aeroengines were also introduced. The book can better help the

engineering designers understand the methods used to design and testing in CMC components.
