

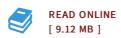


NASA Technical Reports Server (NTRS), Linus U. Thomas-Ogbuji

Silicon-Based Ceramic-Matrix Composites for Advanced Turbine Engines: Some Degradation Issues

By Linus U Thomas-Ogbuji

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 188 mm. Language: English . Brand New Book ****** Print on Demand ******.SiC/BN/SiC composites are designed to take advantage of the high specific strengths and moduli of non-oxide ceramics, and their excellent resistance to creep, chemical attack, and oxidation, while circumventing the brittleness inherent in ceramics. Hence, these composites have the potential to take turbine engines of the future to higher operating temperatures than is achievable with metal alloys. However, these composites remain developmental and more work needs to be done to optimize processing techniques. This paper highlights the lingering issue of pest degradation in these materials and shows that it results from vestiges of processing steps and can thus be minimized or eliminated.



Reviews

A really great publication with perfect and lucid explanations. Of course, it is play, continue to an amazing and interesting literature. I discovered this book from my i and dad suggested this publication to find out.

-- Dr. Augustine Borer

The publication is straightforward in study safer to recognize. It is writter in straightforward words and never hard to understand. Its been printed in an extremely straightforward way and it is just after i finished reading this book through which basically modified me, affect the way i think.

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