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Crack-Healing in Ceramics

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Abstract

In recent years, numerous studies have been conducted on the crack-healing behavior of ceramic materials. Design of ceramic structures with the ability of crack-healing in service is one of the most important objectives of many scientists. Development of such structures in fuel cells, aerospace, automotive and military industries can save a lot of money from a maintenance cost viewpoint. This paper addresses the most recent findings from researchers in the field of crack-healing in ceramics and discusses future perspectives in this research area.

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