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Title:**Influence of stress triaxiality on the failure behavior of Ti-6Al-4V alloy under a broad range of strain rates**

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Abstract

The plastic deformation and failure behavior of metals is significantly affected by loading conditions such as stress state, strain rate, temperature and etc. In this study, the tensile behavior of a dual-phase Ti-6Al-4V alloy was investigated and the influences of stress triaxiality, strain rate and temperature were characterized.

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