

## Accepted Manuscript

A unifying energy approach for high cycle fatigue behavior evaluation

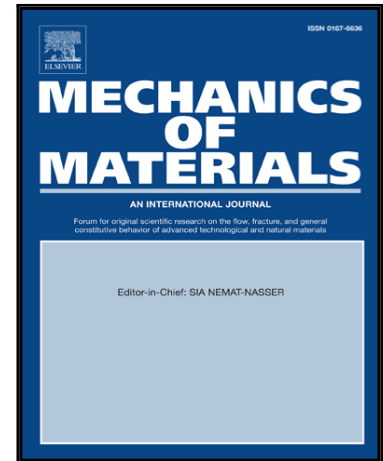
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### Highlights

- A unifying energy approach is created for high-cycle fatigue behavior evaluation.
- Energy dissipation is used to study the irreversible mechanism of fatigue damage.
- The macro and micro fatigue parameters are well predicted by the energy approach.
- The applicability is demonstrated by theoretical and experimental verifications.

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