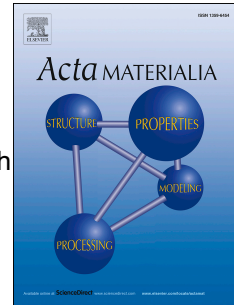


# Accepted Manuscript

Fatigue life and mechanistic modeling of interior micro-defect induced cracking in high cycle and very high cycle regimes

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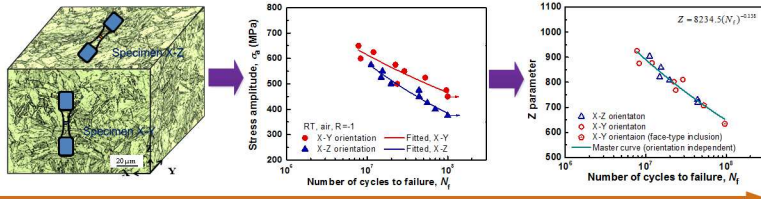
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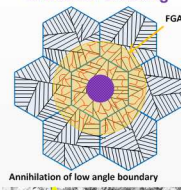
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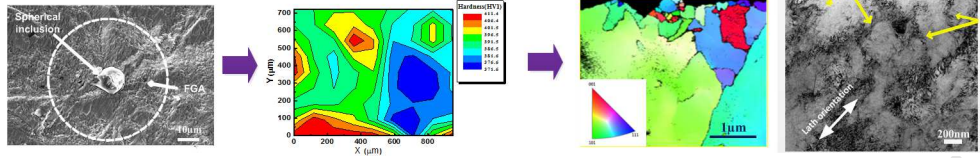
- Micro-defects based fatigue life modeling



- Mechanistic modeling of interior cracking



- Inclusion-microstructure interaction induced plasticity



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