

eBook Information

The Inverse Hall-Petch Problem

David J. Fisher

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The book reviews the Hall-Petch law, one of the most useful equations of materials science, and the reverse or inverse Hall-Petch relation, which is particularly important for controlling the strength of nanocrystalline materials.

Keyword: Hall-Petch Law, Reverse or Inverse Hall-Petch Relation, Nanocrystalline Materials, Grain Size and Strength of Materials, Dislocation-based Models, Diffusion-Based Models for the Hall-Petch Relation, Grain-Boundary-Shearing Models, Two-Phase Models for the Hall-Petch Effect, Grain Boundary Structure, Dislocations and Grain Boundaries, Non-Equilibrium Grain-Boundary Structure

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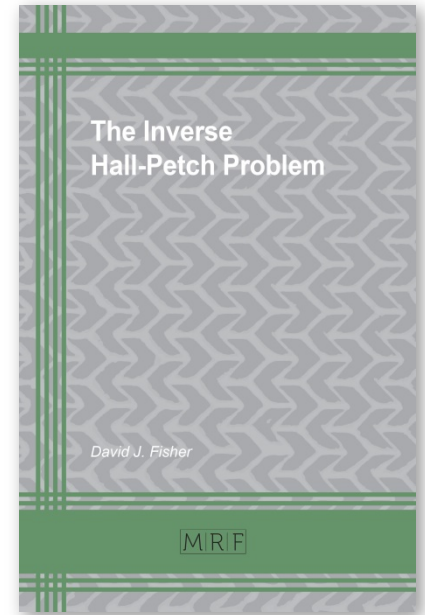
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