

Process Microstructure interactions

0029 Effect of Liquid-Metal Cooling Process on Fatigue Properties of Directionally Solidified Ni-Base Superalloys

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0007 Turbine Blades Production Technique Equipment Built with a Glance of some High-Gradient Directional Crystallization Process Nature

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0027 Selective Electron Beam Melting of CMSX-4

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0049 Investigation on the Freckle Formation Affected by Geometry Features in Directionally Solidified Superalloy Components

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0050 Microstructure Investigation of the Superalloy Samples Directionally Solidified in the Thin Shell Casting (TSC) Process

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0081 Thermal History Prediction Modelling Tool for Investment Casting

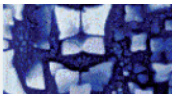
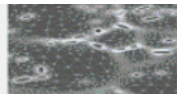
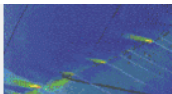
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0084 Optimisation of the Homogenisation and Hot Isostatic Pressing Treatments of a Fourth Generation Single Crystal Superalloy

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Process

Microstructure interactions (continued)

0098 Weldability of HAYNES 282 Superalloy after Long-Term Thermal Exposure

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0132 Influence of Microstructure and Crystallographic Orientation on the Plasma Assisted Nitriding at 400°C of Udimet® 720Li and MC2 Alloys

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0138 Effect of solidification parameters on the dendrite arm spacing in MAR M-247

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0139 Dissolution Kinetics and Morphological Changes of γ' in AD730 Superalloy

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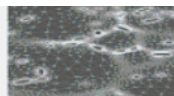
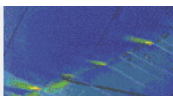
0140 Improvement of Creep and Low Cycle Fatigue Properties for Single-Crystal Nickel-Base Superalloys by a Liquid Metal Cooling Solidification Process

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0145 Simulation of the External Pressure Influence on the Microstructural Evolution of a SX Ni-Based Superalloy

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Process

Microstructure interactions (continued)

0160 Weldability of Superalloys Haynes 188 and Hastelloy X by Nd: YAG Laser

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0169 Electropolishing of CMSX-4 Turbine Blades using Deep Eutectic Solvents to Remove Surface Oxides and selectively Modify Surface Structure

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0183 Effect of Carbon on Wettability and Interfacial Reaction between Molten Superalloy and Ceramic Mould

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0212 Microstructural Investigations on IN718 Manufactured by Selective Laser Melting

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