



crystals

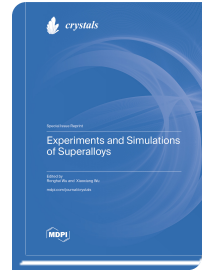


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Experiments and Simulations of Superalloys

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This Special Issue presents the latest advances in the design, processing, and performance evaluation of Ni-based superalloys. The presented articles highlight key aspects such as microstructural evolution, high-temperature tensile behavior, low-cycle fatigue, and the effects of alloying and processing on mechanical properties. Covering both single-crystal and directionally solidified superalloys, the contributions provide insights into γ/γ' phase interactions, deformation mechanisms, and phase stability. This compilation can serve as a valuable reference for researchers and engineers working on high-performance alloys for turbine, aerospace, and power-generation applications.



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