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Sommario/riassunto

This monograph summarizes research conducted at Moscow Institute of Steel and Alloy during many decades in part together with Alcoa Inc. The research covered areas of the structure, properties, thermal resistance, corrosion and fatigue of aluminum alloys in industrial manufacturing. ·Emphasis on interconnection among phase equilibria, thermodynamics and microstructure of alloys; ·Systematic overview of all phase diagrams with Al that are important for the development of casting aluminium alloys ·Diagrams ("processing windows") of important technological properties such as casta
