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Sommario/riassunto

This collection honoring Professor Jiann-Yang Hwang focuses on characterization and processing development in minerals, metals, and materials. Topics include but are not limited to: • Characterization methodology of minerals, metals, and materials • Microwave-assisted material processes • Recycling and reuse of metallurgical byproducts • Materials for hydrogen storage • Wastewater treatment and environmental protection • Natural materials for value-added applications • Principles and interactions of material characterization and manufacturing processing.