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Nota di contenuto	Intro -- Metalworking Technologies and Building Materials -- Preface -- Table of Contents -- Chapter 1: Steel and Alloys, Metalworking Technologies -- Investigation of the Behavior of Surface Roughness Suppression Orientation on the Inner Surface of Metal Microtubes Using Crystal Plasticity Finite Element Method -- Reduction of Surface Cracking for Al-4.6%Mg Strips Cast Surface Using an Unequal-Diameter Twin-Roll Caster by Back-Dam Plate with Lip -- Investigation into Stress Relaxation and Creep Rate of C47200 Copper Alloy -- Enhanced Microhardness and Corrosion Performance of Additively Manufactured Inconel 718 Specimens through Nanostructuring by Severe Plastic Deformation -- Processing Maps and Optimized Plastic Behavior Model of TC4 Titanium Alloy Diffusion Bonded Joint at + Region Temperatures -- Effect of Roll Diameter on Temperature of Aluminum Alloy Strip during Casting Using a Vertical Type High Speed Twin Roll Caster -- High Efficiency Milling of Inconel 625 Alloy (Effect of Cutting Condition on Tool Life) -- Mechanical and Microstructural Behavior of Sintered NiAl-Based High Entropy Alloy -- The Influence of Cow's Bone Calcium Concentration on the Mechanical Characteristics of a Mg-Al Alloy -- Phase Prediction, Microstructure, and Microhardness of Sintered Nickel-Based Superalloy -- Process Optimization of Spark Plasma Sintered Parameters for Ti-Al-Cr-Nb-Ni-Cu-Co High Entropy

Alloy by Response Surface Methodology -- Chapter 2: Preparation and Properties of Building Materials -- Durability Studies of Conventional Cement Concrete and Geopolymer Concrete -- Effect of Particle Size and Molarity of Hardening Solution on the Mechanical Properties of New Geopolymeric Mortars Manufactured from Mine Tailings -- Silica Fume-Red Mud Based Geopolymer Stabilized Organic Soil. Corrosion Resistance and Thermal Stability Enhancement of Green Layered Clay/Epoxy Coating -- Use of Domestic Waste Polyethylene as a Bitumen Modifier in Bituminous Pavement Applications -- Identification of Waste Potential from Maritime Activity - Incorporating Polyethylene Cables into Building Construction -- Keyword Index -- Author Index.

Sommario/riassunto

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