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Nota di contenuto	Intro -- Additive Manufacturing, Building Materials and Processing of Structural Metals -- Preface -- Table of Contents -- Chapter 1: Processing of Structural Metals -- Effect of Cold Rolling and Annealing on Grain Refinement of -Type Ti-13Nb-1.5Ta-3Mo Titanium Alloy -- Influence of Solidifying Layer Peeling on Strip Thickness in Roll Casting -- Mechanical Properties of Roll Cast AC2A Aluminum Alloy Strips -- Preparation of Functionally Graded Aluminum Alloy Composites with Alumina Dispersant under Gravity Casting -- Chapter 2: Additive Manufacturing -- Microstructural Evolution and Corrosion Behavior of Selective Laser Melted 17-4 pH Stainless Steel -- Analysis and Testing of Infills of 3D Printed Specimens with Varying Infills -- Measurement and Testing of the Effect of Infill on Additively Manufactured TPU Part -- Integration of Machine Learning in Additive Manufacturing for Material Extrusion and Powder Bed Fusion, a Brief Literature Review -- Optimization of Lightweight Components through Hybrid Topology Optimization and Generative Design in Additive Manufacturing -- Chapter 3: Building Materials -- Hybridization of Date Palm and Glass Fibers in Bulk Molding Compounds for Pedestrian Network Applications -- Wood Tar as a Waterproofing Agent for Concrete: A Sustainable Approach for Building Construction -- Evaluating the Performance of Buoyancy Fiber-Reinforced Floating Concrete with Recycled LECA --

The Impact of Sulphate Erosion Formation Products on the Pore Structure of Cementitious Materials during Dry and Wet Cycling- Based on Thermodynamic Simulations -- Keyword Index -- Author Index.

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