1. Record Nr. UNINA9911007224103321

Autore	Valerga Puerta Ana Pilar
Titolo	Sustainable Production
Pubbl/distr/stampa	Zurich : , : Trans Tech Publications, Limited, , 2022 ©2022
ISBN	9783036411217 3036411216
Edizione	[1st ed.]
Descrizione fisica	1 online resource (295 pages)
Altri autori (Persone)	KolisnychenkoStanislav
Soggetti	Production engineering Sustainable engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Sustainable Production -- Preface -- Table of Contents -- Chapter 1: Industrial Engineering -- An Open Architecture for the Sustainable Lifecycle of Products and Manufacturing Processes from the Holonic Paradigm -- Water and Power Consumption, Ethanol Production and CO2 Emissions: High-Scale Sugarcane-Based Biorefinery Toward Neutrality in Carbon -- A Lifecycle Sustainability Assessment of CO2 Emissions, Energy Consumption and Social Aspects of Methylic and Ethylic Biodiesel Using Principal Component Analysis -- Direct Digital Manufacturing in the Context of a Circular Economy -- Innovation in Lean Manufacturing by Kansei-Chisei Engineering -- Transparent Acquisition and Processing of Energy Data in the Field of Industrial Production - Requirements and Applications -- Evaluation and Assessment of Additive Manufacturing Processes Based on the Least Energy Demand in Application for Sustainable Production -- Portugal Mineral Resources Cluster: Collective Strategy for Sectoral Recognition and Sustainable Development -- Environmental Sustainability Evaluation for an Automobile Manufacturing Industry Using Multi-Grade Fuzzy Approach -- Impact of Product-Service Systems on the Energy Efficiency of Machine Tools -- The Role of Innovative Projects for Sustainable Development of Enterprises -- A Holistic Performance Management Approach in Business Networks -- The Improvement of

Metal Stamping Procurement Process -- Sustainable Restructuring Process in Polish Steelworks -- Study of Environmental Performance of Taiwan's Manufacturing Industry -- Ultra-Efficiency Factory - Framework and Holistic Approach to Increase and Evaluate Efficiency and Sustainability -- Evaluating Energy Efficiency of Production Machine -- Energy Footprint Mapping Analysis-Based Energy Saving Product Design Study -- Corporate Social Responsibility Behavior: Impact on Firm's Financial Performance in an Information Technology Driven Society -- Sustainable Manufacturing Engineering and Innovative Projects of Teaching, Research and Entrepreneurship -- Chapter 2: Sustainable Technologies in Machinery Production -- Recycling of PA-12 in Additive Manufacturing and the Improvement of its Mechanical Properties -- Mechanical Properties and Surface Integrity of Recycling Aluminum 6061 by Hot Extrusion Process -- Integrating Simulation with Experiment for Recycled Metal Matrix Composite (MMC-AlR) Developed through Hot Press Forging -- Direct Recycling of Aluminium Chips into Composite Reinforced with In Situ Alumina Enrichment -- Life Cycle Assessment on the Effects of Parameter Setting in Direct Recycling Hot Press Forging of Aluminum

Sommario/riassunto

Aggregated Book.