

1.	Record Nr.	UNINA9910816105903321
	Autore	Widdop Paul
	Titolo	Sports, business and management : an international football and its shifting global powerbase // guest editor, Paul Widdop, Daniel Parnell, Constantino Stavros
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	ISBN	1-83867-650-3
	Descrizione fisica	1 online resource (115 pages)
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	Soggetti	Football - History
	Lingua di pubblicazione	Inglese
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2.	Record Nr.	UNINA9910163960803321
	Titolo	Energy Technology 2017 : Carbon Dioxide Management and Other Technologies // edited by Lei Zhang, Jaroslaw W. Drelich, Neale R. Neelameggham, Donna Post Guillen, Nawshad Haque, Jingxi Zhu, Ziqi Sun, Tao Wang, John A Howarter, Fiseha Tesfaye, Shadia Ikhmayies, Elsa Olivetti, Mark William Kennedy
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
	ISBN	3-319-52192-6
	Edizione	[1st ed. 2017.]
	Descrizione fisica	1 online resource (XXII, 499 p. 244 illus.)
	Collana	The Minerals, Metals & Materials Series, , 2367-1696
	Disciplina	621.0420688
	Soggetti	Materials Catalysis Force and energy Materials - Analysis Renewable energy sources Materials for Energy and Catalysis Characterization and Analytical Technique Renewable Energy

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Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	Part 1: Energy Technologies: Energy Technologies -- Continuous optimization of the energy input -- The success story of AOS -- Part 2: Energy Technologies: CO₂ Management and Sustainable Metallurgical Processes -- Transforming the way electricity is consumed during the aluminium smelting process -- The thermodynamics of slag forming inorganic phases in biomass combustion processes -- Leaching of Sb from TROF furnace Doré Slag -- Potential CO₂ emission reduction and H₂ production using industrial slag wastes originating from different industrial sectors -- Part 3: Energy Technologies: Novel Technologies -- Modeling Anthropogenic Heat Flux in Climate Models -- In-situ microscopic study of morphology changes in natural hematite and Cu-spinel particles during cyclic redox gas exposures for chemical looping applications -- Thermodynamic stability of condensed phases in the ternary system CaO-Cu-O by the EMF method -- Experimental Study on Electro-spraying of Ethanol Based on PDA Measurement -- Part 4: Energy Technologies: Heat Recovery -- Integrated utilization of sewage sludge and coal gangue in clinker manufacture -- Valuable metals and energy recovery from electronic waste streams -- Dry Granulation of Hot Metal and Heat Recovery from Off-Gas -- Energy Recovery of Livestock Waste in Taiwan -- Life cycle assessments of incineration treatment for sharp medical waste -- Part 5: Energy Technologies: Poster Session -- Effect of granularity on pretreatment of coke with microwave irradiation -- Effect of Microwave and ultrasonic coupling treatment on granularity and microstructure of Pulverized Coal -- Influence of Sodium on Coke Microstructure in Different Reaction Atmosphere -- Part 6: Deriving Value from Challenging Waste Materials: Recycling and Sustainability Joint Session: Deriving Value from Challenging Waste I -- Maximizing the values of steelmaking slags -- Recycling of zinc from the steelmaking dust in the sintering process -- Direct Preparation of Metal Doping Ni-Zn Ferrite from Zn-containing Electric Arc Furnace Dust by Calcination Method -- Part 7: Deriving Value from Challenging Waste Materials: Recycling and Sustainability Joint Session: Deriving Value from Challenging Waste II -- Synthesis and Characterization of Ferrochromium Slag Based Glass-ceramics -- Hydrometallurgical processing of copper smelter dust for copper recovery as nanoparticles: a review -- Part 8: Deriving Value from Challenging Waste Materials: Recycling and Sustainability Joint Session: Deriving Value from Challenging Waste III -- Chromium removal from iron-rich waste generated during processing lateritic nickel ores -- Removal of Magnesium from Liquor Produced by Nickel Mining by Crystallization -- Synthesis of Magnesium Oxide from Ferronickel Smelting Slag through Hydrochloric Acid Leaching-Precipitation and Calcination -- Thermodynamic analysis of the recycling of aircraft Al alloys -- Lithium-ion Battery Recycling Through Secondary Aluminum Production -- Part 9: Deriving Value from Challenging Waste Materials: Recycling and Sustainability Joint Session: Poster Session -- Alternative method for materials separation from crystalline silicon photovoltaic modules -- Bioleaching process for metal recovery from waste materials -- Chemical Analysis of Sludge Originating from Industrial Painting Performed in Brazil -- Preparing

ferrosilicon alloy with copper slag -- Research on Optimization of Sintering Mixture with Low-grade Complex Ore -- Part 10: Solar Cell Silicon: Silicon Production, Crystallization, and Properties -- Study on Producing Solar Grade Silicon by Carbothermal Reduction of Andalusite Ore -- Phase Analysis of the Si-O₂ System -- Characterization of Composition, Morphology, and Structure of Disi Raw Sandstones in Jordan -- Part 11: Solar Cell Silicon: Silicon Impurity Removal and Refining -- Effect of magnesium addition on removal of impurities from silicon by hydrometallurgical treatment -- Evaporation removal of boron in molten silicon using reactive fluxes -- Part 12: Solar Cell Silicon: Silicon Photovoltaics -- Electrodynamic Eddy Current Separation of End-of-Life PV Materials -- Investigation on Quartz Crucibles for Monocrystalline Silicon Ingots for Solar Cells -- Influence of Oxygen Content on the Wettability of Silicon on Graphite -- Particle Separation in Silicon Ingot Casting Using AC Magnetic Field -- Part 13: Advances in Environmental Technologies: Recycling and Sustainability Joint Session: Advances in Environmental Technologies: Characterization and Uncertainty -- Characteristics of Municipal Solid Waste Incineration Bottom Ash with Particulate Matters PM_{2.5} ~PM₁₀ -- Part 14: Advances in Environmental Technologies: Recycling and Sustainability Joint Session: New Areas of Value Recovery -- Accelerating life-cycle management protocols for new generation batteries -- Recovery of Metals and Nonmetals from Waste Printed Circuit Boards (PCBs) by Physical Recycling Techniques -- The use of rice husk ash as an aggregate for foundry sand mould production -- Part 15: Advances in Environmental Technologies: Recycling and Sustainability Joint Session: Poster Session -- Chemical reduction of Fe(III) in nickel lateritic wastewater to recover metals by ion exchange -- Chronopotentiometry applied to the determination of copper transport properties through a cation-exchange membrane -- Effect of flow rate on metals adsorption of synthetic solution using chelating resin Dowex XUS43605 in column experiments.

Sommario/riassunto

This collection focuses on energy efficient technologies including innovative ore beneficiation, smelting technologies, recycling and waste heat recovery. The volume also covers various technological aspects of sustainable energy ecosystems, processes that improve energy efficiency, reduce thermal emissions, and reduce carbon dioxide and other greenhouse emissions. Papers addressing renewable energy resources for metals and materials production, waste heat recovery and other industrial energy efficient technologies, new concepts or devices for energy generation and conversion, energy efficiency improvement in process engineering, sustainability and life cycle assessment of energy systems, as well as the thermodynamics and modeling for sustainable metallurgical processes are included. This volume also offers topics on CO₂ sequestration and reduction in greenhouse gas emissions from process engineering, sustainable technologies in extractive metallurgy, as well as the materials processing and manufacturing industries with reduced energy consumption and CO₂ emission. Contributions from all areas of non-nuclear and non-traditional energy sources, such as solar, wind, and biomass are also included in this volume. Papers from the following symposia are presented in the book: Energy Technologies Advances in Environmental Technologies: Recycling and Sustainability Joint Session Deriving Value from Challenging Waste Materials: Recycling and Sustainability Joint Session Solar Cell Silicon.