

1. Record Nr.	UNISALENTO991001620899707536
Titolo	New visual perspectives on Fibonacci numbers / K. T. Atanassov ... [et al.].
Pubbl/distr/stampa	River Edge, NJ : World Scientific, c2002
ISBN	9812381147
Descrizione fisica	xvi, 313 p. : ill. , 24 cm
Classificazione	AMS 11B39 LC QA241.N47
Altri autori (Persone)	Atanassov, Krassimir T.
Disciplina	512.72
Soggetti	Fibonacci numbers
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index

2. Record Nr.	UNINA9910254147903321
Titolo	Energy Materials 2017 // edited by Xingbo Liu, Zhengdong Liu, Kyle Brinkman, Subodh Das, Sebastien Dryepondt, Jeffery W. Fergus, Zhancheng Guo, Minfang Han, Jeffrey A. Hawk, Teruhisa Horita, Peter Hosemann, Jian Li, Elsa Olivetti, Amit Pandey, Raul B. Rebak, Indranil Roy, Chengjia Shang, Ji Zhang
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-52333-3
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XXII, 457 p. 256 illus.)
Collana	The Minerals, Metals & Materials Series, , 2367-1696
Disciplina	620.11
Soggetti	Materials - Analysis Materials Electric power production Characterization and Analytical Technique Materials Engineering Electrical Power Engineering Mechanical Power Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	Part 1: Energy and Environmental Issues in Materials Manufacturing and Processing: Opportunities in the Steel Industry -- Waste Energy Recovery Technology of Iron and Steel Industry in China -- Green Manufacturing Process of Shougang Jingtang Steel Plant -- The Introduction and Process Optimization Research of Oxygen Blast Furnace Ironmaking Technology -- Prediction and optimal scheduling of byproduct gases in steel mill: Trends and challenges -- Processing Non-Oriented Electrical Steels Using Inclined/Skew Rolling Schemes -- A Possible Way for Efficient Utilization of Coal Energy: The Combined Process of Ironmaking with Gasoline Synthesis and Electricity Generation -- The influence of water vapour on the fuming rate in a ferromanganese system -- Part 2: Energy and Environmental Issues in

Materials Manufacturing and Processing: Opportunities in Aluminum Production, Waste Heat and Water Recovery -- Approach for pyrolysis gas release modelling and its potential for enhanced energy efficiency of aluminium remelting furnaces -- Numerical approach for the implementation of the interaction of pyrolysis gases and combustion products in an aluminium melting furnace -- Fluoropolymer Coated Condensing Heat Exchangers for Low-grade Waste Heat Recovery -- Nitrate and other anion removal from waste water using the Hydroflex technology -- Mechanical Analysis of Raceway Formation in Bulk Bed of Blast Furnace -- Part 3: Materials for Coal-Based Power: Materials For Coal-Based Power: Session I -- Ni-Fe based alloy GH984G used for 700• coal-fired power plant -- Part 4: Materials for Coal-Based Power: Materials For Coal-Based Power: Session II -- Creep strength and oxidation resistance of industrially made G115 Steel pipe -- Accelerated creep test for new steels and welds -- Part 5: Materials for Coal-Based Power: Materials For Coal-Based Power: Session IV -- The Reliability Analysis of 12Cr1MoVG and T23 Used for USC Boilers Water Wall -- Part 6: Materials for Coal-Based Power: Poster Session -- Effect of high-frequency induction hardening on stress corrosion of a 12% Cr martensitic stainless steel -- Fireside corrosion behaviors of Inconel 740 H superalloy in various SO₂ contents -- High Cycle Fatigue Behavior of HAYNES282 Superalloy -- Recent Development in the Characteristics of Alloy 625 for A-USC Steam Turbine Castings -- Part 7: Materials for Gas Turbines: Coatings -- EVOLUTION OF THE THERMAL CONDUCTIVITY OF Sm₂Zr₂O₇ UNDER CMAS ATTACK -- Part 8: Materials for Gas Turbines: Hot Corrosion and New Materials -- Development of a new high strength and hot corrosion resistant directionally solidified superalloy DZ409 -- Part 9: Materials for Gas Turbines: Microstructure and Processing -- Modeling the Diffusion of Minor Elements in Different MCrAlY – Superalloy Substrates at High Temperature -- ON HEALING MECHANISM OF CAST POROSITIES IN CAST NI-BASED SUPERALLOY BY HOT ISOSTATIC PRESSING -- The Influence of Dendritic Segregation Degree to the Recrystallization Nucleation in U4720LI -- Part 10: Materials for Gas Turbines: Poster Session -- Stress Rupture Properties of Alloy 783 -- Study on the Undercoolability and Single Crystal Castability of Nickel-Based Superalloys -- Part 11: Materials for Nuclear Energy: Materials for Nuclear Applications I -- Enhancing the High-Cycle Fatigue Property of 316 Austenitic Stainless Steels through Introduction of Mechanical Twins by Cold-Drawing -- Part 12: Materials for Nuclear Energy: Materials for Nuclear Applications II -- Microstructure Evolution of a Reactor Pressure Vessel Steel during High-temperature Tempering -- Part 13: Materials for Nuclear Energy: Environmental Effects -- Effect of Steam Pressure on the Oxidation Behaviour of Alloy 625 -- Friction Stir Processing of Degraded Austenitic Stainless Steel Nuclear Fuel Dry Cask Storage System Canisters -- Part 14: Materials for Nuclear Energy: Accident Tolerant Fuels & Irradiation Effects -- The Mechanical Response of Advanced Claddings during Proposed Reactivity Initiated Accident Conditions.- First principles investigations of alternative nuclear fuels -- Comparative study of thermal conductivity of SiC and BeO from ab initio calculations -- Part 15: Materials for Oil and Gas and AMREE Oil & Gas III -- Anisotropic behaviors for X100 high grade pipeline steel under stress constraints -- Co-relation of microstructural features with tensile and toughness characteristics of X70 grade steel -- Development and applications of new generation Ni-containing cryogenic steels in China -- Microstructure analysis and weldability investigation of stainless steel clad plate -- Microstructure and Properties of High Performance Pipeline Steels -- Sensitivity variation of

nanomaterials at different operating temperature conditions.

Sommario/riassunto

This collection highlights materials research and innovations for a wide breadth of energy systems and technologies. The volume includes papers organized into the following sections: Energy and Environmental Issues in Materials Manufacturing and Processing Materials in Clean Power Materials for Coal-Based Power Materials for Energy Conversion with Emphasis on SOFC Materials for Gas Turbines Materials for Nuclear Energy Materials for Oil and Gas.
