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Nota di contenuto	Intro -- Actual Challenges in Materials Science and Processing Technologies II -- Preface -- Table of Contents -- Technical Nanospintronics Analysis of the Performance Optimization of Devices Based on Carbonaceous Materials -- Development of the Protection Coat for Metallic Structures Based on the Intercalated Graphite Compounds -- Application of Biomass Pellets for Iron Ore Sintering -- Fabrication of Magnesium-Silicon Nanocomplexes by the Interaction of Polyphenylsiloxane with Magnesium Carbonate -- The Effect of Airflow Speed as Cooling Media in the Hardening Process to the Hardness, Corrosion Rate and Fatigue Life of Medium Carbon Steel -- Technology of Production of Binder Modifying Nanoadditives -- The Effect of Impregnation Ratio on the Surface Characteristics of Gigantochloa

Verticillata Bamboo-Activated Carbon -- Chemistry of the Gasification of Carbonaceous Raw Material -- Performance of Ni-Mo Sulfated Nanozirconia Catalyst for Conversion of Waste Cooking Oil into Biofuel via Hydrocracking Process -- Substantiation into Parameters of Carbon Fuel Production Technology from Brown Coal -- SPS Temperature Influence on the Composition, Structure and Magnetic Properties of Hematite Ceramics -- Sunflower and Linseed Oils with Decyl Methacrylate Based Copolymers as Green Lubricating Additives -- Methods of Obtaining and Physicochemical Properties of Modified Carbonaceous Sorbents -- Walnut Shells as a Potential Fuel for Iron Ore Sintering -- Synthesis and Study of Physicochemical and Sorption Characteristics of a Composite Sorbent for Purifying Seawater from Cesium -- Stress Concentration in Bounded Compositeplates with Carbon Reinforcement -- Additive Manufacturing: A Layered Taxonomy and Classification for Material Engineering Process -- Gasification of Waste Tyres: Thermodynamic Attainable Region Approach. Investigation of Ni/Al/Ti Ohmic Contact on N-Type 4H-SiC -- Energy and Resources Recovery from Gasified Screenings and Toxic Sludge -- Study of Corrosion and Mechanical Resistance of Structural Pipe Steels of Long-Term Operation in Hydrogen Sulfur Containing Environments -- Composite arbonaceous oal-Water Suspensions -- Comparative Studies on Mechanical Performance of Epoxy and Polyester Hybrid Composites with Jute and Glass Layers -- Psidium guajava Leaves as Corrosion Inhibitor of Al-6061 -- Mathematical Models for Forecasting of 10Mn2VNb Steel Heavy Plates Mechanical Properties -- Keyword Index -- Author Index.

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