Special Issue

Advances in Sintering of Ores, Metallic Powders, and Ceramics

Message from the Guest Editors

This Special Issue on “Advances in Sintering of Ores, Metallic Powders, and Ceramics” aims to provide a place where researchers could share the recent advances in sintering of ores, metallic powders, and ceramics. Sintering is a process of agglomerating, compacting, and forming powders of different materials using heat and/or pressure. This technology is widely used in metallurgy and in ceramics, from the sintering of ores to obtain an agglomerated product with the suitable characteristics to be used in the furnace to the sintering of metallic (alloys or high melting point materials) or nonmetallic (ceramics) powders to obtain the part with the almost final shape. The purpose of this Special Issue is to collect research papers presenting the current state of knowledge on sintering process, from modern sintering technologies (for instance, spark plasma sintering or microwave sintering) to improvements in the sintered product passing through the environmental aspects of the process. Contributions presenting different approaches to sintering process, including metallic and nonmetallic materials, are warmly welcomed.

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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