Special Issue

Materials Sintering

Message from the Guest Editor

From the first quantitative relations in the 1940s up to the present, sintering science and technology applied to the thermal consolidation of powdered materials have shown considerable development. This has been driven by the understanding and control of the microstructure evolution, assisted by attempts on modeling the complexity of systems undergoing sintering. From micrometeric to nanometeric powder particles, 3D to 2D parts, conventional to alternative sintering techniques assisted by pressure and electrical fields, laser sintering, and cold sintering, among others, there is a continuous progress with new insights to get a more predictable, controlled, and sustainable process. Dissemination of knowledge with sharing of new and breakthrough ideas has a key role in the progress of sintering, and this Special Issue aims at joining innovative and fostering contributions on the sintering of materials of diverse nature (metals, ceramics, composites), experimental studies with modeling contributions being largely welcome, as well as new sintering techniques and the relation of microstructure features and properties.

Guest Editor

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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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