Special Issue

Sintering Phenomena and Microstructural Control

Message from the Guest Editor

Sintering is a solidification technique by which powder can be compacted with energy, in particular thermal energy but also light and electric. Densification, grain growth, and microstructure change are phenomena that commonly occur when sintering inorganic materials. including metals, ceramics, and their composites, in related industrial applications. The sintering process originally transported the atoms in the materials by decreasing the interface energy. The purpose of the Special Issue is to reveal and share current efforts concerning sintering and its related properties. This Special Issue covers, but is not limited to, the following topics: - surface/grain boundary and interface structure; - densification and related phenomena: - microstructure development; - computer simulation and modeling of grain growth and microstructural development; - other microstructure-related topics.

Guest Editor

Dr. Kyoung-Seok Moon School of Materials Science and Engineering, Gyeongsang National University (GNU), Jinjudaero 501, Jinju-si, Gyeongnam 660-701, Korea

Deadline for manuscript submissions

closed (28 February 2021)



Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



mdpi.com/si/36433

Applied Sciences Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 applsci@mdpi.com

mdpi.com/journal/ applsci





Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



<u>applsci</u>



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)