Special Issue

High Energy Ball Milling and Consolidation of Nanocomposite Powders

Message from the Guest Editor

High energy ball milling (HEBM) has attracted increasing attention within the various branches of the scientific community. The HEBM of powder mixtures in high-speed planetary ball mills, shakers and other milling equipment allows for the production of nanostructured composites (including reactive ones), solid solutions, metastable phases, pseudoalloys, and various other materials. In the case of metallic systems, high-energy ball treatment induces the formation of multilayered structures, achieving a highly specific surface between the components. The science of mechanochemistry continues to have multiple blind spots. Therefore, we are calling for papers dedicated to the various aspects of high energy ball milling.

Guest Editor

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Message from the Editor-in-Chief

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

Editor-in-Chief

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