Special Issue

Entropy Production and Nonequilibrium Thermodynamics in Materials

Message from the Guest Editor

This Special Issue will be devoted to describing the methods of non-equilibrium thermodynamics, and the theory of self-organization of the processes occurring in materials during their manufacture and operation. We plan to consider the possibility of developing materials with an increased probability of self-organization using non-equilibrium thermodynamics.

- material science
- non-equilibrium thermodynamics
- entropy production
- self-organization
- dissipative structures
- materials
- operation
- fabrication
- properties
- microstructure
- defects
- wear resistance
- tribofilms
- evolution

Guest Editor

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The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Editor-in-Chief

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