Special Issue

Thermophysical Properties of Materials

Message from the Guest Editor

Thermophysical (heat capacity, thermal expansion, thermal conductivity, and diffusivity) properties of materials (building, ceramic, composite, plastic, metallic, or noncrystalline) are known for their practical applications. The description of the behavior of materials and products under nonstationary thermal boundary conditions in a broader temperature interval requires the knowledge of dilatometric characteristics of the materials, the dependence of the thermal conductivity or diffusivity on the temperature, and also the temperature dependencies of heat capacity. In the field of the measurement of thermophysical properties, there exist a large number of experimental methods: differential thermal analysis, differential scanning calorimetry, thermogravimetry, thermodilatometry, calorimetry, steady-state methods, and transient methods. It is my pleasure to invite you to submit a manuscript for this Special Issue of *Materials*. Full papers, short communications, and reviews are all welcome.

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Deadline for manuscript submissions

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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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