Special Issue

Thermal Analysis of Materials

Message from the Guest Editors

This Special Issue will provide readers with up-to-date information on the recent progress in the thermal analysis field on alloys, ceramics, and polymers from different perspectives spanning materials sciences, thermodynamics, catalysis, and geochemistry. Contributing papers are solicited in the following areas: Differential thermal analysis and scanning calorimetry; Dilatometry, thermomechanical analysis, and rheology; High-temperature X-ray and neutron diffraction; Thermogravimetric and evolved gas analysis; Thermal diffusivity and thermal conductivity; Thermo-optical analysis Measurement of any physical property as a function of temperature brings the method in the realm of thermal analysis. We particularly encourage contributions on combinations of thermal analysis techniques and their applications for measurements of thermodynamic and kinetic properties and phase diagram determinations.

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Deadline for manuscript submissions

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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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