Special Issue

The Parameters of Advanced Materials

Message from the Guest Editors

The characterization of advanced materials by determining the value of their parameters is of great importance to many industrial applications. The results of such determinations allow us to observe significant correlations and elucidate the influence of structure on material properties. As a result, effective techniques for the manufacture, use, and protection of materials are increasingly being developed. For this Special Issue, we encourage authors to submit papers on the following material parameters: physical, chemical, mechanical, thermal, electrical, and magnetic. In addition, we welcome papers on the following topics:

- Determining geometric dimensions (thickness, diameter, width, height);
- Structure testing (granularity, porosity, roughness, crystal structure, chemical composition);
- Assessing technical conditions (cracks, delamination, corrosion, material defects).

Papers on techniques of measuring material parameters using various devices such as meters, sensors, probes, and microscopes are also welcome.

Guest Editors

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Dr. Zhiyuan Xu

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Deadline for manuscript submissions

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About the Journal

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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