Special Issue

Functional Amorphous Materials

Message from the Guest Editor

The development of amorphous materials with high performances has led to increasing research activity, both theoretical and experimental. The main categories of these materials include metals, thin films, organic and inorganic nonmetallic disordered structures. Their peculiar characteristics, in terms of electric, magnetic, optical and mechanical isotropy, allow their utilization in numerous and advanced applications. Each method of preparation determines materials with different properties. In fact, there are no techniques able to measure, at a long range, the intricate details of the structures of amorphous materials. Moreover, theoretical studies furnish sizes of models that are too small to expect bulk properties. A less or more stability of amorphous materials can be determined by their tendency to crystallization adopting different methods such as thermal or hydrothermal treatments, implantation of ions, interaction with radiant energy and so on. To this end, it is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editor

Prof. Dr. Maria Cristina Mascolo

Department of Civil and Mechanical Engineering, University of Cassino and Southern Latium, G. Di Biasio 43 Street, 03043 Cassino (FR), Italy

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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