

Special Issue

Multiple Thermal Characterizations in Materials Science

Message from the Guest Editor

For several years, we have experienced a revolution in material science in aerospace, power production, car and boat manufacturing, and other hi-tech industries. Many metal structures, which are subject to corrosion and fatigue damage, are now being made of composites and ceramics, and this has created new challenges to nondestructive testing (NDT) of such defects, which are typical for composites. Since many traditional NDT techniques experience difficulties in application to composite materials, the importance of infrared nondestructive testing (IRNDT) has greatly increased in the last decade due to its effectiveness in the inspection of composite, ceramic, and hybrid structures. This Special Issue invites original submissions that reflect recent achievements in the development of quantitative aspects of both passive and active infrared thermography.

Guest Editor

Prof. Dr. Vladimir Vavilov

School of Non-Destructive Testing, National Research Tomsk Polytechnic University, Tomsk, Russia

Deadline for manuscript submissions

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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.

Editors-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

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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