Special Issue

Smart Materials in 2018: Overview and Applications

Message from the Guest Editors

Smart structures are able to monitor their status over time and, if necessary, react properly to the stresses they are subjected to. In order to actuate the required deformations, the peculiar properties of specific types of materials are exploited, such as piezo-electric materials or shape memory alloys. The followings are the topics proposed for this special issue (but not limited to):

- Smart materials and smart structures
- Shape memory alloys (SMAs)
- Piezoelectric actuators
- Modelling and simulation of smart materials
- Properties and characterization of smart materials
- Design for manufacture of smart materials
- Materials selection of smart materials
- Smart materials and structures applications

Guest Editors

Prof. Dr. Aniello Riccio

Department of Engineering, University of Campania Luigi Vanvitelli, Via Roma 29, 81031 Aversa, CE, Italy

Dr. Andrea Sellitto

Department of Engineering, University of Campania Luigi Vanvitelli, Via Roma 29, 81031 Aversa, CE, Italy

Deadline for manuscript submissions

closed (31 December 2019)

Materials

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/13984

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

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

MDPI

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.

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)