



an Open Access Journal by MDPI

Solar Energy Materials

Guest Editor:

**Prof. Dr. Claes-Göran S.
Granqvist**

The Ångström Laboratory,
Department of Engineering
Sciences, Uppsala University, PO
Box 534, SE-751 21 Uppsala,
Sweden

Deadline for manuscript
submissions:

closed (30 September 2010)

Message from the Guest Editor

Dear Colleagues,

Solar energy materials are used to harness the sun's energy to the benefit of mankind. Their optical properties are tuned to the radiation that prevails in our ambience and they can absorb, reflect, transmit or emit radiation in the wavelength ranges for thermal, solar and visible radiation. Among their applications we note solar cells of many types, solar thermal collectors, energy efficient windows and facades with static or dynamic properties, photo-catalytic converters, self-cleaning surfaces, surfaces for passive radiative cooling, to and many more. The materials can be metals, semiconductors and dielectrics including polymers; they can bulk-like as well as thin films. Nanomaterials are of particular interest. Fundamental and applied work, including thin film deposition, is of interest for this journal issue.

Guest Editor

Prof. Dr. Claes-Göran S. Granqvist





an Open Access Journal by MDPI

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

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.

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 - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)