Special Issue

Solar Energy Materials

Message from the Guest Editor

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

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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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