Special Issue

Transparent Conductive Films and Their Applications

Message from the Guest Editors

Interest of scientific community in materials offering both electrical conductivity and optical transparency has intensified in recent years. These materials often need to be very thin. The decrease in thickness stimulates development of novel deposition and processing techniques, but also may result in obtaining materials with novel and fascinating properties. Besides decrease in thickness, the films are often processed to have a certain pattern, as in case of metamaterials. By such processing even metal film can be treated as transparent, but still maintain the electrical conductivity. Application of these materials is not limited to displays. They are often needed for energy conversion devices or various sensors, especially those offering dual optical and electrical interrogation. Applications and used substrates determines deposition techniques, that need to be tuned to offer thin films with satisfying properties. It is our pleasure to invite you to submit a manuscript for this Special Issue focused on transparent conductive films. Full papers, communications, and reviews on fabrication, properties, and applications of these films are all welcome.

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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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