Special Issue

Characterization of Thin Films and Superlattice Using Thermal Wave Methods

Message from the Guest Editor

Thermal conductivity plays a significant role in applications focused on measuring the accurate amount of energy dissipation. Investigating this parameter will thereby pave the way for fundamental thin film characterization research. Thermal conductivity can be measured using frequency and time-domain methods. Frequency domain methods, in contrast to time-domain methods, can also quantify thermal diffusivity as well as important parameters such as thermal boundary resistance. This Special Issue is addressed to publish papers about the investigation of these parameters in thin films using thermal wave methods such as photothermal infrared radiometry, thermoreflectance, photothermal beam deflection method, thermal lens method, and photoacoustics. We look forward to all contributions. Best wishes,

Guest Editor

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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.

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