Special Issue

Thin Layers Synthesis by Laser Methods

Message from the Guest Editors

With the continuous progress of laser and laser-related technologies, more and more applications are being developed based on laser–matter interaction processes. High purity, good property control and a wide range of usable materials are just few arguments for laser technologies development in material science. The possibility of producing functional layers with different properties from the initial bulk material, as well as combinations of different materials in controlled structures with engineered macro properties, known as 'meta-materials', extends the applicability of laser-produced layers from biomaterials and sensors to nanotechnologies and optics applications. This Special Issue will bring together new trends in laser deposition of thin films, laser-processed surfaces as well as laser-grown structures, focusing on the application of such layers and laser technologies. It is our pleasure to invite you to publish in this Special Issue and we look forward to submit your research papers, reviews of the state of the art, or short communications.

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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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