Special Issue

Thin Films: Growth and Characterization

Message from the Guest Editors

Dear colleagues, This Special Issue will bring together papers with topics in the field of thin films, more particularly on chemical and physical fabrication methods and technologies for thin film growth and their characterization. Aspects such as surface modifications of substrates used as templates will be also considered. Correlation between microstructural, morphological, and electrical properties will be emphasized based on techniques such as X-ray and electron diffraction, transmission electron microscopy, atomic force microscopy, X-ray, electron or positron spectroscopy, and electrical transport property measurements. A large spectrum of materials and structures are considered, such as semiconductors, superconductors, materials for spintronics, nitrides, ZnO, multiferroics, ferroelectrics, plasmonic materials, transparent conductors, superlattices, nanocrystals, polymers, carbon-based materials, and others. Companies are encouraged to present new products that can be used for any of the above topics.

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Deadline for manuscript submissions

closed (20 April 2023)

Materials

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Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

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Message from the Editorial Board

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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