Special Issue

Deformation and Fracture of Thin Films and Nanostructured Materials

Message from the Guest Editor

The high characteristics of strength, wear resistance, fatigue strength, and corrosion resistance of nanostructured materials (thin films and coatings, nanocrystalline materials, etc.) determine their crucial importance in the development of advanced materials. This Special Issue will provide insights into the multi-scale approach to understanding the mechanisms of deformation and fracture of nano and thin film materials.

Keywords

- coatings
- fracture mechanisms
- delamination
- cracking
- microsrtucture

Guest Editor

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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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