**DESCRIPTION**

*Thin Solid Films* is an international journal which serves scientists and engineers working in the fields of *thin-film synthesis, characterization, and applications*. The field of *thin films*, which can be defined as the confluence of materials science, surface science, and applied physics, has become an identifiable unified discipline of scientific endeavor. The scope of *Thin Solid Films* is indicated by, but not limited to, the following topical subheadings:

- A. Synthesis and Characterization
- B. Surfaces, Interfaces, and Colloidal Behaviour
- C. Metallurgical, Protective, and Hard Layers
- D. Mechanics and Nanomechanics of Thin Layers
- E. Electronics, Optics, and Opto-electronics
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INTRODUCTION

Aims and scope
Thin Solid Films is an international journal that serves scientists and engineers working in the fields of thin-film synthesis, characterization, and applications. The field of thin films, which can be defined as the confluence of materials science, surface science, and applied physics, has become an identifiable unified discipline of scientific endeavor. The scope of Thin Solid Films is indicated by, but not limited to, the following topical subheadings:

A. Synthesis and Characterization: Nucleation and growth from the gas, liquid, and solid phases: microstructural and microchemical film characterization, new concepts and techniques for film synthesis, modification, processing, and characterization.
B. Surfaces, Interfaces, and Colloidal behavior: Surface and interface phenomena: physics, chemistry, and applications.
C. Metallurgical, protective, and Hard Layers: Fundamentals aspects of layers and coatings used in diffusion barrier, corrosion, high-temperature, wear, erosion, and other extreme environments.
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F. Magnetics and Magneto-optics: Fundamental aspects of layers used in magnetic and magneto-optic applications; magnetic, optical, and magneto-optical recording devices.
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