

Special Issue

DLC (Diamond-Like Carbon) Film Formation and Application

Message from the Guest Editor

This Special Issue on “DLC (Diamond-Like Carbon) Film Formation and Application” will address advances in materials science, formation, characterization, standardization, and application of DLC films. DLC films have been the subject of considerable attention because of their exceptional mechanical properties, such as low friction coefficient and high wear resistance. DLC technology represents one of the most appropriate approaches to reduce energy consumption of various products. To enhance the application of DLC films, it will be important to overcome four issues noted as follows: i) low-cost and reliable coatings, ii) multifunctional coatings, iii) understanding the structure and tribological behavior, and iv) standardization. Original papers are solicited on formation, evaluation, and application of all types of DLC films, including tetrahedral amorphous carbon films and hydrogenated amorphous carbon films. Of particular interest are recent developments in the DLC coating process, tribological property investigation, and application. Articles and reviews dealing with characterization, classification, and structural analyses are very welcome.

Guest Editor

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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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