

Special Issue

Recent Advances in Semiconducting Thin Films

Message from the Guest Editor

The section is interested in the use of thin films in various fields of science and technology. In particular, interest in thin-film materials – as key elements of technological progress in the production of electronic, photonic and optoelectronic devices and their integration into various types of devices. Use of high-efficiency thin-film materials for photovoltaic and thermoelectric converters, and in industrial devices. Areas of application of thin film materials, for example: photodetectors, infrared and quantum infrared photodetectors, semiconductor and quantum cascade lasers, photovoltaic cells, field-effect transistors, integrated circuits. These include semiconductor devices, wireless devices, telecommunications, integrated circuits, and computer chips. The thin film materials for this section include semiconductors, thin films of metal, conductive thin films of metal oxides, organic and amorphous semiconductors, carbon thin films, nanostructured materials and the like.

Guest Editor

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About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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