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Semiconducting Thin Films for Energy Harvesting

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Message from the Guest Editor

Thin semiconductor films find growing applications in both research and technological development, which expand significantly beyond the traditional field of microelectronics. This concerns a broad research area on energy harvesting and conversion, which mainly concerns thin film photovoltaics, but also topics such as thermoelectricity, photocatalytic processes, fuel cells, hydrogen generation and storage, and more. From the point of view of a materials scientist, it is interesting to study how materials can have very different behaviors in different thin film applications. It is therefore important to promote a Special Issue on this broad topic, inviting contributions on semiconducting thin film material design, synthesis, deposition and processing, as well as theoretical and modelling studies with the most up-to-date simulation methods.



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Special issue



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Message from the Editor-in-Chief

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