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Thin Films for Energy Production and Storage

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Deadline for manuscript submissions:
closed (20 January 2022)

Message from the Guest Editors

As it is well known, in the last decades, thin films have gained a lot of attention from the scientific community in a plethora of applications.

Here, we solicit the submission of manuscripts on the growth and characterization of inorganic or hybrid thin films, as well as devices based on them, for applications in solar photovoltaics, energy storage (e.g., electrodes in batteries), and energy harvesting (e.g., piezoelectric and thermoelectric applications). Most of these applications scalable layers, which strongly depend on the growth the chance to grow high purity thin films (evaporation method) or less technological challenges toward up-scaling the system, while keeping good control of the deposition rate (sputtering method). On the other hand, the non-vacuum techniques are attracting more and more attention because of their lower production cost. Papers on thin films produced either by vacuum or non-vacuum methodologies are welcome, with a focus on eco-friendly approaches. Last, but not least, manuscripts on thin films involving Earth-abundant elements are of particular interest.

Full papers, communications, and reviews are all welcome.

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Message from the Editor-in-Chief

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