



## New Horizons on Nanocrystalline Materials for Solar Energy Conversion and Storage

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Deadline for manuscript submissions:

**closed (15 July 2022)**

### Message from the Guest Editors

The Special Issue on *New Horizons on Nanocrystalline Materials for Solar Energy Conversion and Storage* aims to provide a strong platform gathering the recent advances and challenges on colloidal and thin films nanocrystalline materials, with potential application in solar energy harvesting and storing systems. We invite researchers to contribute to the present issue with their original works on the field, in the form of full paper, communication, and review. The topics on this issue cover, but are not restricted to:

- Emerging nanocrystalline systems with potential application in solar energy harnessing and storage.
- Novel routes of synthesis of colloidal nanocrystals.
- Controlled growth and deposition of nanocrystalline thin films.
- Advanced characterization techniques, and theoretical investigations on fundamental properties of nanocrystalline semiconductors, to assess their possibilities on solar conversion systems.
- Strategies for enhanced performance of nanocrystalline materials (surface functionalization, doping, heterostructures, etc.).





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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