



Anatase Chemistry, Nanostructures and Functionalities

Guest Editor:

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Deadline for manuscript
submissions:
closed (20 August 2022)

Message from the Guest Editor

Dear Colleagues,

The last few years have witnessed a great rate of technological advancement in the synthesis of anatase. Regardless of the specific fabrication technique, all anatase samples—for example, thin films, crystals, and powders—have in common that their functional properties strongly depend on chemical and phase composition, crystalline structure, presence of defects, interface properties, and surface-related properties.

The capability to control and tune the structural properties of anatase has given an enormous boost toward the understanding on fundamental properties of anatase but also to engineer heterostructures with desired properties.

This Special Issue aims to collect original research articles as well as review articles featuring the latest achievements and developments in fabrication and processing of anatase as well as in the characterization of their structural, electronic and functional properties. Subject areas include (but are not limited to) anatase thin films fabrication and processing, theory and simulation, anatase nanostructure and properties, device applications.





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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