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Functional Oxide Based Thin-Film Materials (Volume II)

Guest Editor:

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Deadline for manuscript submissions:
closed (28 February 2021)

Message from the Guest Editor

We invite investigators to submit papers which discuss the development of functional-oxide-based thin-film materials, including thin-film, nanostructured, and multilayered forms. Mixing oxide-based alloys with other materials could allow for the possible fabrication of advanced devices. Furthermore, the diluted magnetic crystals and combination with two-dimensional materials are welcomed. The potential topics include but again are not limited to:

- Growth of functional-oxide-based thin films or nanostructures, including the modeling of crystal growth or reaction mechanisms;
- Property characterization (optic, electric, piezoelectric, ferromagnetic properties, etc.) and their relationships to external conditions, such as electric field, photo pumping, current injection, gas environment, stress, temperature, etc.;
- Advances in device development based on finctional oxide materials using thin films or nanostructures;
- Microstructure analysis and micro–macro correlation of the observed properties and their modeling.

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Editor-in-Chief

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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