

## Special Issue

# Growth and Evaluation of Crystalline Silicon (Volume II)

### Message from the Guest Editor

Crystalline silicon (single and multicrystalline) is widely used for substrates of solar cells. Further improvement of solar cell performance and reduction of production cost are still required, both at the present and in the future. To realize a high-energy conversion efficiency of crystalline Si solar cells, the development of crystal growth technology is required. Furthermore, fundamental understanding of crystal growth mechanisms and defect formation, and evaluation of Si wafers are crucial. We invite investigators to submit papers which discuss the development of high-quality crystalline Si for solar cells, including bulk ingots and thin films. The potential topics include:

- Crystal growth of Si ingot;
- Crystal growth of Si thin films;
- Crystal growth mechanisms of Si;
- Defects formation and their property in Si;
- Evaluation of Si wafers;
- Property of solar cells based on crystalline Si;
- Materials of crucible for growth of Si ingot;
- Raw material;
- Crystal growth of new materials based on Si.

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### Guest Editor

Prof. Dr. Kozo Fujiwara  
Institute for Materials Research, Tohoku University, Sendai, Japan

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### Deadline for manuscript submissions

closed (31 July 2020)



## Crystals

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*Crystals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[crystals@mdpi.com](mailto:crystals@mdpi.com)

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Alessandra Toncelli  
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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