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Solidification/Crystallization Behavior of Alloys and Related Simulation Calculation

Guest Editors:

Dr. Erhu Yan

School of Material Science & Engineering, Guilin University of Electronic Technology, Guilin 541004, China

Dr. Ping Zhao

Key Laboratory of Rubber-Plastics, Ministry of Education/Shandong Provincial Key Laboratory of Rubber-Plastics, School of Polymer Science and Engineering, College of Materials Science and Engineering, Qingdao University of Science and Technology, Qingdao 266042, China

Message from the Guest Editors

In the past hundred years, the alloy solidification and crystallization process has changed from a type of ancient metallurgical technology into an important branch of modern science. The solidification of metals not only determines the structure and properties of metals and alloys, but also affects the subsequent plastic processing and heat treatment. In addition, alloy solidification simulation calculation can accurately predict the formation of crystals or defects, and then guide production practice. Therefore, the study of alloy solidification and simulation has guiding significance for the application and development of metal materials. To this end, we have organized this Special Issue entitled “Solidification/crystallization behavior of alloys and related simulation calculation”.

Deadline for manuscript submissions:

closed (31 December 2023)



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Special Issue



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Editor-in-Chief

Prof. Dr. Alessandra Toncelli

Department of Physics, University
of Pisa, 56126 Pisa, PI, Italy

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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Crystals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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