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Nanowires for Novel Electronics and Photonics

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Deadline for manuscript
submissions:

closed (31 August 2022)

Message from the Guest Editors

Dear Colleagues,

Nanowires (NWs) have been envisioned as nanoscale materials for next-generation technology with good functionality, superior performance, high integration ability and low cost, because of their special growth modes and unique 1D structure. Their novel properties can solve many bottlenecks in the fields of electronics and photonics, which has gained them great attention in recent years.

We are welcoming submissions on solving the main challenges and presenting important progress in the fabrication and applications of NWs. Topics may include novel III–V NW growth techniques that significantly improve the NW morphology, crystal quality, and structures, such as axial and radial junctions.

The scope also includes the construction of novel electronics and photonics with NWs. Moreover, reviews are also welcomed on the advantages, challenges, major breakthroughs, and perspective outlook of using NWs in the research field of electronics and photonics.



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Special Issue



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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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