Special Issue

Carbon Nano-Composite Materials

Message from the Guest Editors

In recent years, there has been significant interest in crystalline composites embedded with nanoscale carbon reinforcements, such as carbon nanofiber, carbon nanotube, carbon nanoparticle, graphene, etc. The hybridization of carbon nanofillers with crystalline materials has resulted in improvements in the mechanical, electrical, and thermal properties of effective composites, and various application studies are underway based on the enhanced performances. The innovative characteristics of carbon nanofiller-reinforced crystalline nanocomposites is studied both experimentally and theoretically with the understanding of material mechanisms at the nano-to-macro levels. This Special Issue will collect manuscripts dealing with the recent advances and address future opportunities in the area of crystalline nanocomposites contacting carbon-nanofillers (carbon nano-composite materials).

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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.

Editor-in-Chief

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