



Special Topic Polymer Composites and Nanocomposite Materials (Volume 18, 2022)

This volume aims to rapidly publish high-quality contributions on the fundamental and applied science of polymer composite materials. Understanding the processing–structure–properties relationship is crucial for the development of advanced materials. This volume provides an advanced forum for researchers and scientists to present their frontier scientific results work (research papers, reviews, and communications). The issue will accommodate experimental and theoretical results of both fundamental and applied research (both inter and intra-disciplines).

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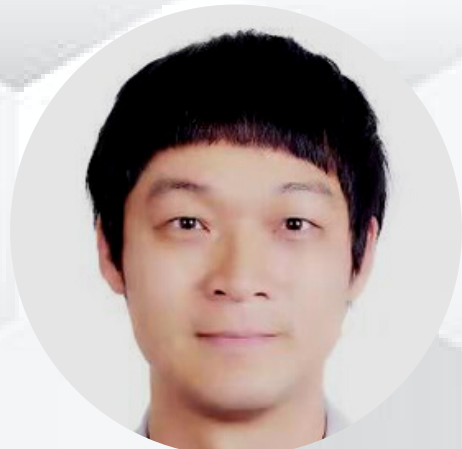
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Subject areas following topics of interest include, but are not limited to:

- Design, simulation, and modeling of polymer composites and nanocomposites
- Composites for electric, dielectric, magnetic, electromagnetic interference (EMI) shielding and optical applications
- Shape-memory, self-healing, and smart polymers or composites
- Biobased, biodegradable and biomimetic polymers or composites
- Polymer composites for antibacterial and biological application
- Filler-reinforced polymer composites
- Life cycle assessment of polymer composites and nanocomposites
- Hierarchical polymer-based materials for CO₂ storage and conversion

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