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Composite Carbon Fibers

Guest Editor:

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Message from the Guest Editor

Composite carbon fibers consist of multiple phases, a continuous carbon phase and additive phases. The continuous carbon fiber phase serves as the matrix, which provides the mechanical strength for the composite fibers. The additive phases including oxide particles, carbon nanotubes, organic or inorganic coatings, and graphene sheets are functional components. Such functional components allow composite carbon fibers to be useful in various fields.

The objective of this Special Issue is to provide a forum for researchers to publish important findings and exchange ideas on the fundamental studies and applications of composite carbon fibers. Research papers and review articles are welcome. The scope of the Special Issue is on, but not limited to, the following topics: composite carbon fiber processing and manufacturing technology, structure and morphology studies, mechanical testing, physical property characterization, electrochemical performance evaluation, and exploration of new applications.