Special Issue

Polymer-Based Dielectric Composite Materials for Energy Applications

Message from the Guest Editors

Polymer-based composites exhibit a number of advantages, including easy processing, low manufacturing costs, flexibility, low dielectric constants, a high breakdown strength, etc., in application fields such as electrostatic energy storage capacitors, triboelectric nanogenerators, etc. The adoption of polymer-based composites has greatly improved several significant material parameters. On the other hand, issues regarding polymer-based composites have also been raised. This Special Issue of *Polymers* invites contributions covering several aspects of polymer composites, such as dielectric nanocomposites for energy storage, the development of high-temperature composites for energy storage, percolative composites filled with electrically conductive fillers for electrode materials, polymer composites for modulation of the friction properties of the triboelectric nanogenerators for energy harvesting, etc. The above list is only indicative and by no means exhaustive; articles reporting original experimental or simulation work on polymer-based composites, as well as review articles, are welcome. Dr. Zixiong Sun

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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