



Polymer Hybrid Materials: Design and Applications

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Message from the Guest Editors

The polymer hybrid materials not only combine the features of the starting components, but also encompass enhanced unique properties result from synergetic effects, which eventually overcomes the structural and functional limits of the conventional materials. The polymer hybrid materials of monolith and coating/film with porous, layered or core-shell hierarchical structures and interpenetrating networks can be synthesized through sol-gel method, polymerization reaction and self-assembly process, etc. The structural and functional versatilities of the polymer hybrid materials accounts for their diverse applications in the fields ranging from optoelectronics, dielectric, photovoltaics, waveguide, sensor, gas adsorption/separation, catalysis, flame/fire retardancy, drug delivery and biomedical engineering.

The scope of this Special Issue is to cover all the aspects related to the polymer hybrid materials. Authors are welcome to submit the latest research works on this topic in the form of original research or review articles.





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Message from the Editor-in-Chief

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