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Dynamic Polymers

Guest Editor:

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Message from the Guest Editor

Dynamic polymers with dynamic covalent or non-covalent bonds have attracted increasing attention for their unique roles in various areas. Among these, chemical recycling, reprocessing, and self-healing have been mostly extended in the past few decades due to sustainable societal development. Beyond that, bond exchangeability of dynamic polymers leads to unparalleled design in polymer composition, topological structure, or physical properties which show important applications in functional materials. With the growing number of dynamic chemistries being studied, various new unignorable problems have emerged, including performance reduction after reprocessing, easiness of creep of self-healing materials, etc.

This Special Issue will cover the wide range of research in the field from the dynamic enabling chemistries, special network designs, new mechanisms, and potential applications. Materials containing dynamic molecules, dynamic oligomers, and dynamic networks are all included. Research works and reviews are both welcome.



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Special Issue



Editor-in-Chief

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Message from the Editor-in-Chief

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