Special Issue

Polymers for 3D Printing: Current Advances and Future Perspectives

Message from the Guest Editor

From polymers with transparent and self-healing properties to polymer matrix composites for improved performance, the use of polymers in 3D printing is prevalent in aerospace, automobile, biomedical, and electronics industries. As an additive fabrication process, 3D printing produces parts with higher degree of design freedom, while allowing heterogenous materials to be fabricated within a single build assembly. 3D printed polymer parts have shown to provide geometrically accurate models for form fitting applications such as product design and surgical planning and guides. However, there are increasing interests to introduce functionality into 3D printed parts. In this Special Issue, the topic themes would be separated into three aspects material, design, and process. The issue will include original research papers and reviews on the latest advances of polymers in 3D printing that investigates on material formulation for functional 3D printing, innovation in process-induced functionalities, and integrating different fabrication technologies for enhanced performance. Also, articles on simulation and prediction models on 3D printed polymers are welcomed.

Guest Editor

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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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