Functionalized Crystalline Gels

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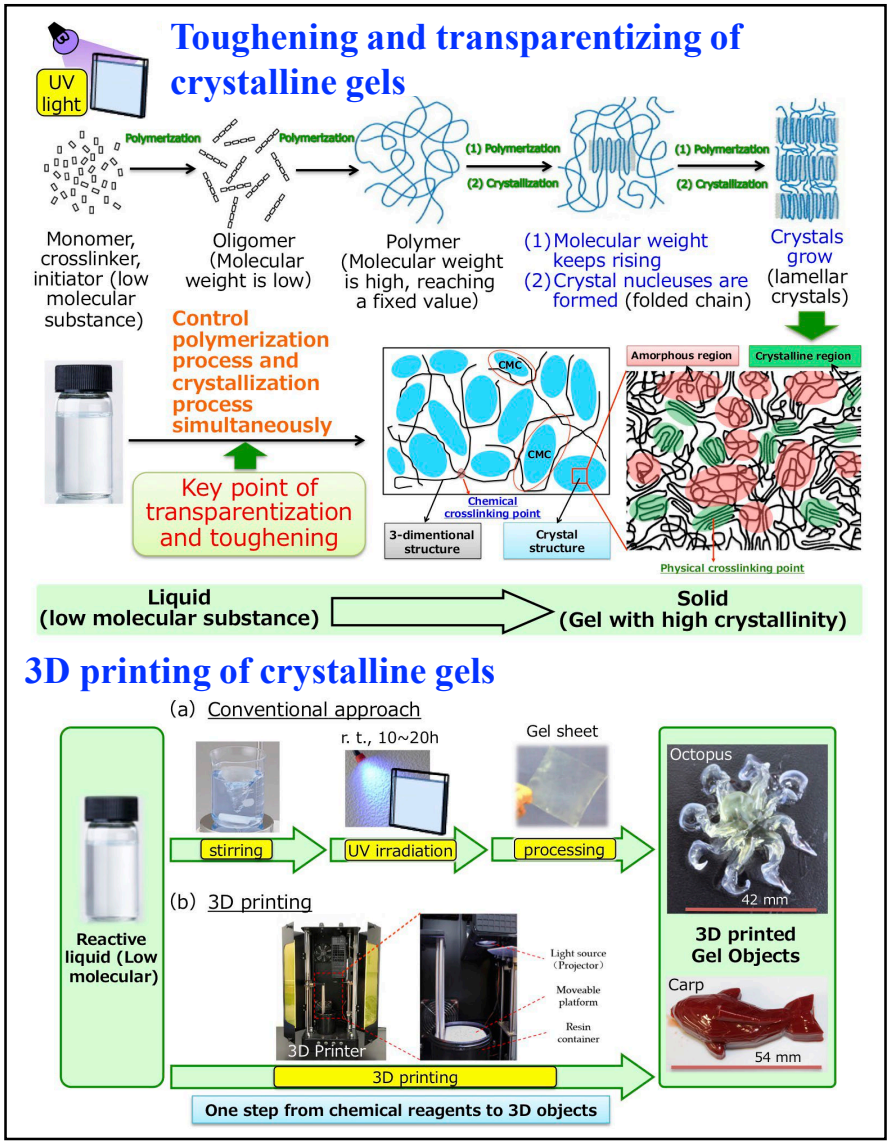

Content:

Our current research interest is centered around the functionalized crystalline polymer gels with large stretchability, self shrinkage, stimulative healing, thermal sensitivity, and thermal energy storage, particularly challenging their synthesis and fabrication methods of particle, fiber, porous membrane, nonwoven faric and 3D objects.

3D printing technology provides a possible method to manufacture objects with complex and precise structures. One of our main goals is to test the 3D printing performance of crystalline gels via mask-projection stereolithography (SLA) to make their 3D objects directly from reactive liquid resin.

Appealing point:

We are a group of materials scientists/engineers who are interested in creating new functionalized gels for various applications.

Feel free to visit us or contact us if you are interested in our research or just our lab.

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