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**Photopolymerized Maleilated Chitosan/Thiol-terminated Poly (vinyl alcohol)
hydrogels as Potential Tissue Engineering Scaffolds**

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Highlights:

- Photocrosslinkable maleilated chitosan with high acrylate substitution was synthesized.
- The MCS/TPVA thiol-ene hydrogels could gel rapidly and have improved mechanical property close to native tissue.
- The hydrogels had good biocompatibility.

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