



A strategy of wood-based UV-cross-linkable hydrogel fabrication

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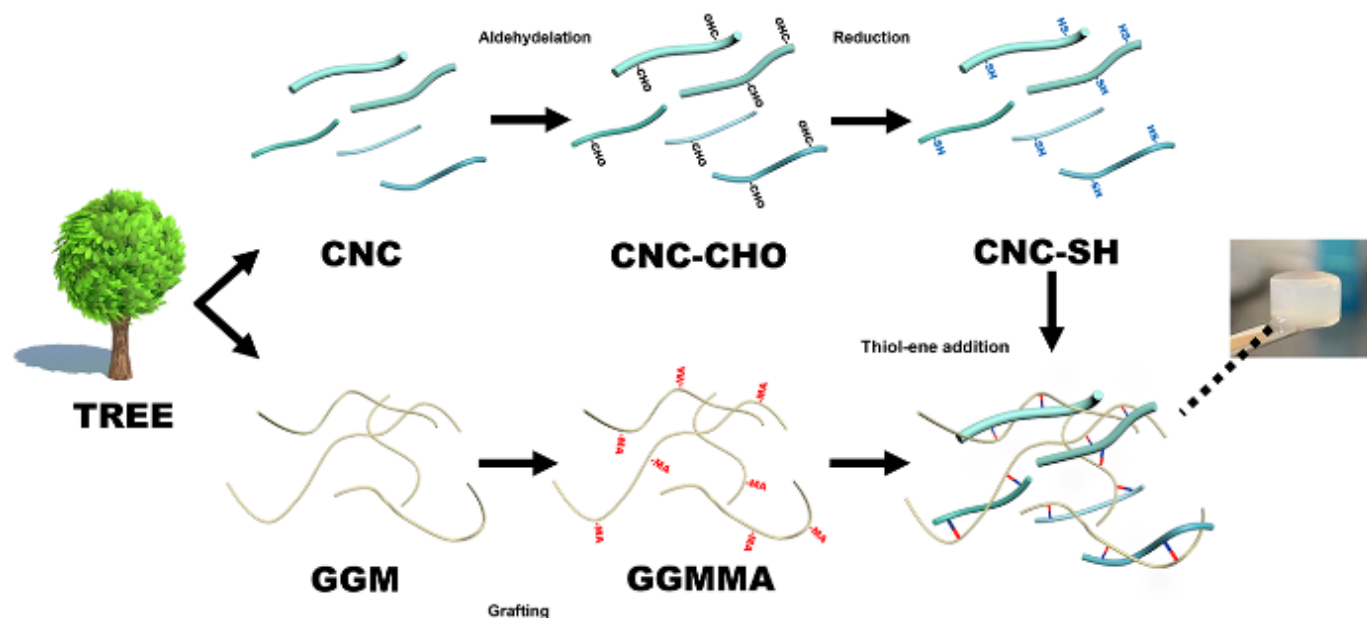
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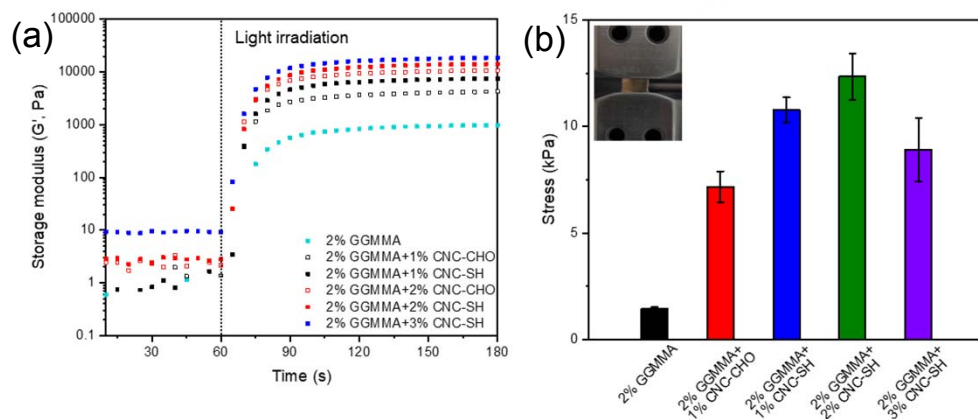
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Scheme of the UV-cross-linkable hydrogel preparation

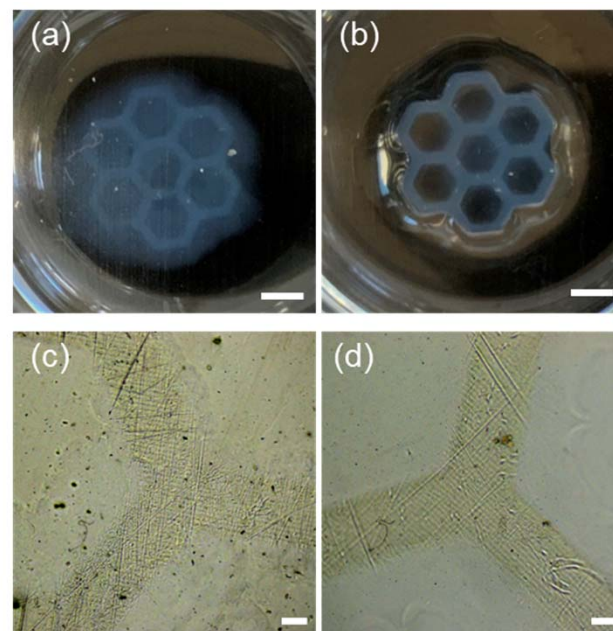


Demonstration of the wood-based UV-cross-linkable hydrogel fabricated by digital light processing 3D printing



a: photo-rheology profiles of the formulated inks. (0.5 wt% Irgacure 2959 as photo initiator)

b: compressive mechanical strength of GGMA/CNC based hydrogels.



a and b: DLP printed honeycomb construct of 2% GGMA+1% CNC-SH with or without photoabsorber, scale bar: 2 mm.

c and d: optical microscopy of the corresponding honeycomb constructs, scale bar: 200 μ m.



Thank you for your attention

PRESENTED BY
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