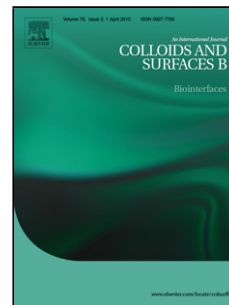


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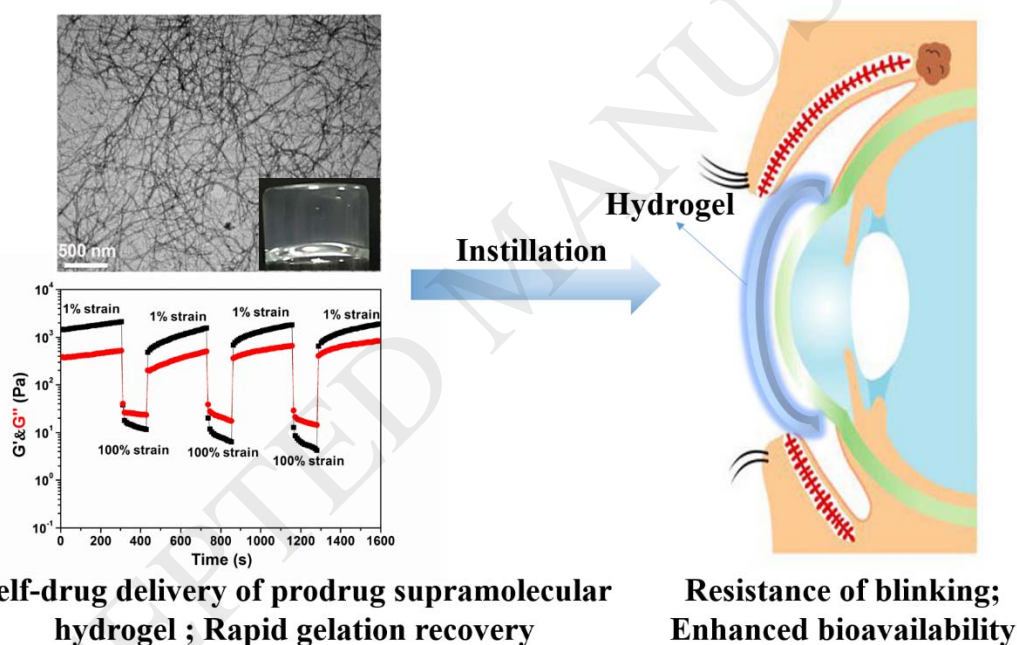
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Graphical abstract



Highlights

1. A prodrug supramolecular hydrogel was prepared using a pH hydrolytic strategy
2. The supramolecular hydrogel displayed long-term stability over 30 day after lyophilization
3. The supramolecular hydrogel significantly extend the precorneal retention

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