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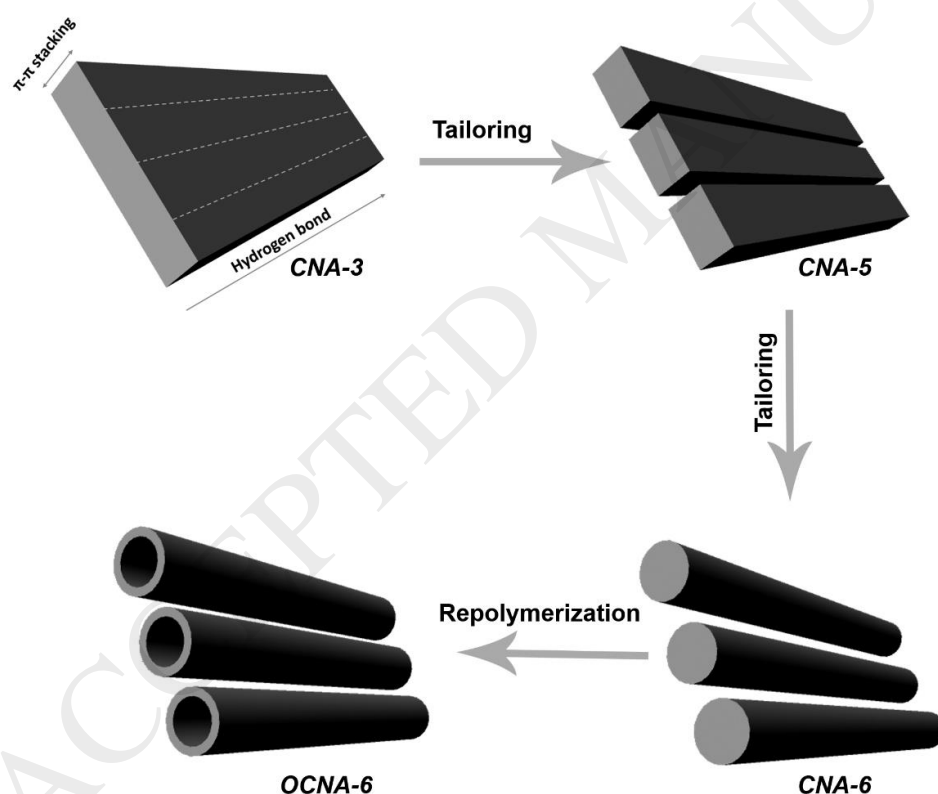
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GRAPHICAL ABSTRACT

Self-supported oxygen-doped carbon nitride aerogel (OCNA) was successfully fabricated through a facile self-assembly method combined with hydrothermal process, without adopting any harmful solvents or cross-linking agents. The apparent quantum yield (AQY) was 7.43% at 420 nm.



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