

The abstract for our published ACS Nano paper is below:

DNA nanostructures have been used in low-temperature fabrication processes or solution phase reactions, due to their limited chemical stability of pure DNA structures. Here, we demonstrate using DNA nanostructures as templates for high-temperature solid-state chemistry. Prescribed shaped carbon nanostructure can be synthesized through conformal carbonization of DNA nanostructures at 800–1000 °C in H₂. and are electrically conductive.