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Title: Sustainable Intelligent Design and Manufacturing for Carbon Neutral

Abstract: Carbon footprint has become a common focus problem all over the world. As products are the main source of carbon footprint, and the product design determines the extent of the impact on the environment directly, the research on products low-carbon design technology is significant. It brings a new challenge to the research of multi-domain design and manufacturing modeling for product carbon footprint. The research achievement will provide methodology for manufacturing industry to face global competition and achieve sustainable development for carbon neutral.