Abstract Submitted
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CVD graphene growth via magnetic inductive heating of metal substrates[1] RICHARD PINER, HUIFENG LI, XIANGHUA KONG, LI TAO, JONGHO LEE, DEJI AKINWANDE, RODNEY RUOFF, University of Texas at Austin — A new route to the CVD synthesis of graphene with inductive heating of metal substrates is presented. The design and implementation of a new type of reactor that uses magnetic induction to heat metal substrates is presented. The advantages of this reactor and important parameters for the successful growth of high quality graphene or few layer graphene will be presented. Optical and SEM images, Raman spectra, and electron and hole mobility will be presented and compared to results for more traditional CVD methods

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