

Abstract Submitted  
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**Parallelization of Thermochemical Nanolithography**<sup>1</sup> JENNIFER E. CURTIS, School of Physics, Georgia Institute of Technology, KEITH CARROLL, XI LU, SUENNE KIM, YANG GAO, Georgia Institute of Technology, HOEJOON KIM, SUHAS SOMNATH, University of Illinois, LAURA POLLONI, ROMAN SORDAN, Dept. of Physics, Politecnico di Milano, WILLIAM KING, University of Illinois, ELISA RIEDO, Georgia Institute of Technology — One of the most pressing technological challenges in the development of next generation nanoscale devices is the rapid, parallel, precise and robust fabrication of nanostructures. We demonstrate the possibility to parallelize thermochemical nanolithography (TCNL) by employing five nano-tips for the fabrication of luminescent polymer nanostructures and graphene-based nanoribbons.

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