



# Capillary Force-Driven Nanomaterials Stamped Approach for SERS Detection of Anticancer Drugs



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He comes from Xidian University in Xi'an, China. His area of interest is nanomaterials printing method and its intelligent detection application.

## Abstract

The recent boom of nanomaterials printing in the fields of biomedical engineering, bioanalysis and flexible electronics has greatly stimulated researchers' interest in the printing technologies. However, the specifically formulated nanomaterials inks have limited the types of the printable nanomaterials. Here, a unique non-powered stamped approach, combining a 3D-printed stamper with the paper substrate, is developed for directly patterned printing nanomaterials aqueous solution. Without any post-processing, the stamped paper substrates are directly served as SERS substrate and applied to quantify drugs in multiple biofluids.

