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## ACCEPTED MANUSCRIPT

# ThanFractal theory study and SERS effect of centimeter level of copper nanobranch detectors by solid-state ionics method

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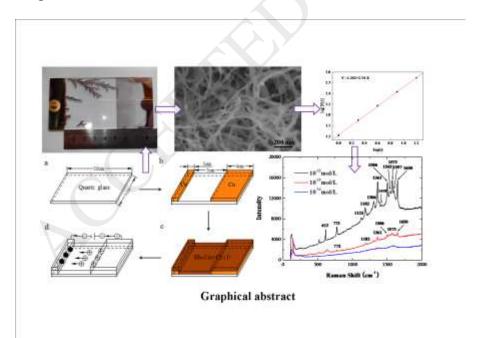
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