

Figure S1. 3D design of single spot of 3D printed SERS nanostructure which is composed of 25×25 μm^2 size and has 625 circular pillars in the area.

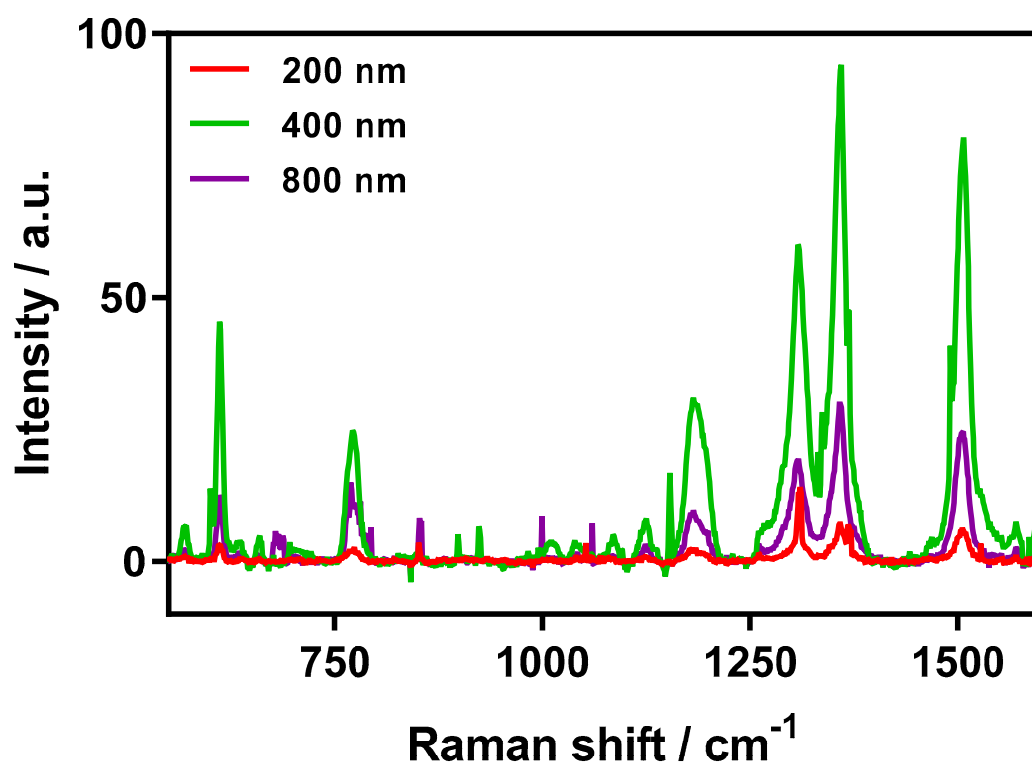


Figure S2. Magnified average SERS spectra of 3D printed SERS nanostructures that printed as 10000 mm/s.

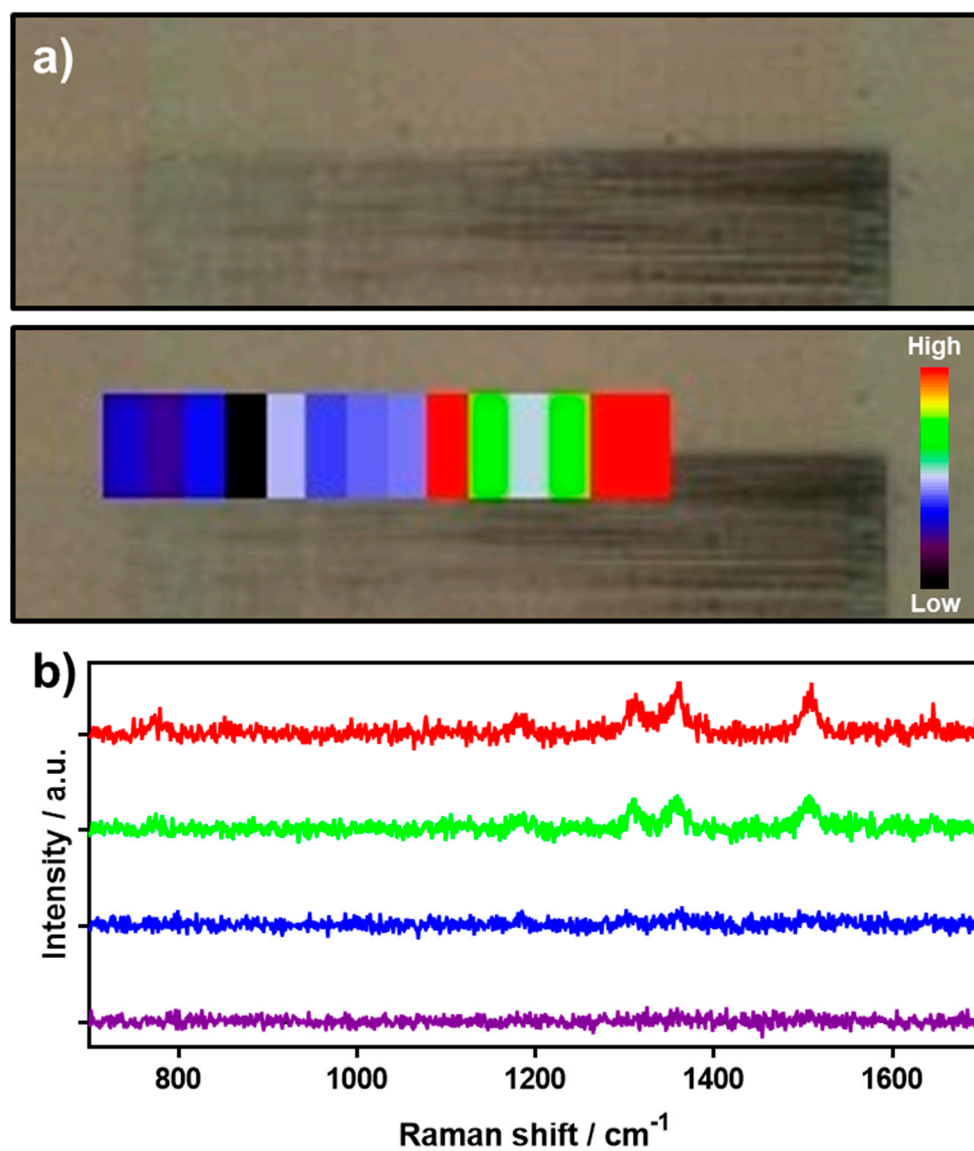


Figure S3. Gradient 3D printed SERS nanostructure fabrication *via* femtosecond laser printer. a) Microscopic and SERS mapping images of gradient printed nanostructure. b) SERS spectra of 1 μM of CV treated nanostructures. From red to purple, the pillar radius gradually decreases.