Control deposition of colloidal nanoparticles suspension in evaporating drops using laser radiation

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Fig. S1 3D profile of the "coffee-stain" obtained when \sim 5 µL-droplet is left to dry under ambient conditions and without external radiation.



Fig. S2 3D profile of the reverse of the coffee-stain obtained when ~5 μ L-droplet is irradiated with a laser beam at droplet's centre. Laser power density was 151 W/cm² and laser diameter was 0.43 mm.



Fig. S3 3D profile of the formation pattern obtained when ~5 μ L-droplet is irradiated with a laser beam at droplet's centre. Laser power density was 47 W/cm² and laser diameter is ~ 22% of initial droplet size (~3.5 mm).



Fig. S4 Optical images of formation pattern under ambient conditions without and with external radiation. (a) Without laser irradiation. (b) and (c) Under laser irradiation with laser diameters of ~0.49 mm and ~0.67 mm, respectively. The laser power is 220 mW. All droplets have the same volume of ~2 μ L and contain Rhodamine 6G molecules with concentration of 16 mM.