



Title	A pathway of nanocrystallite fabrication by photo-assisted growth in pure water
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# **A pathway of nanocrystallite fabrication by photo-assisted growth in pure water**

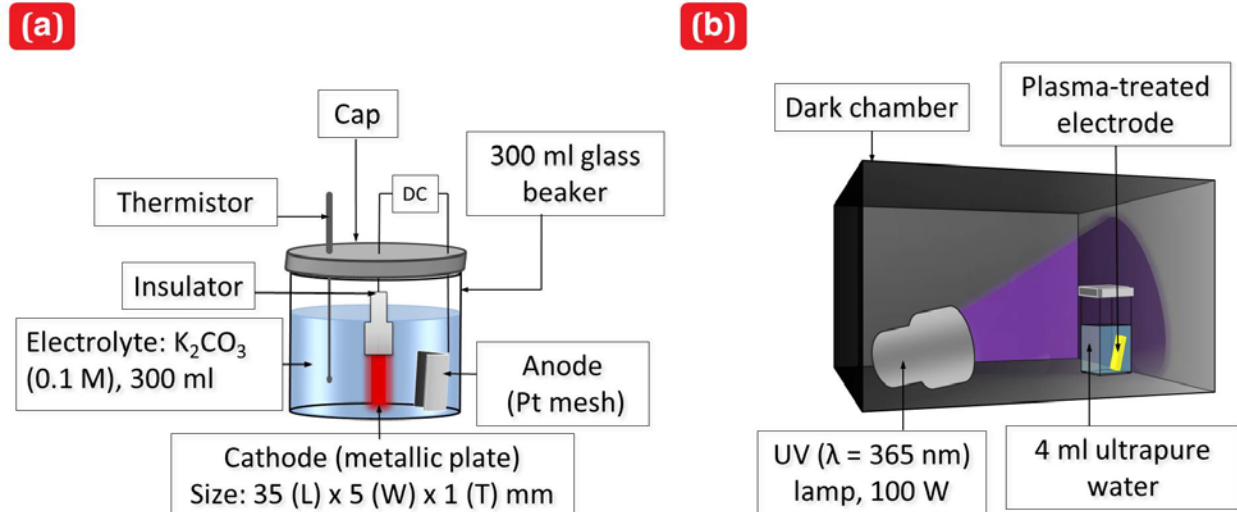
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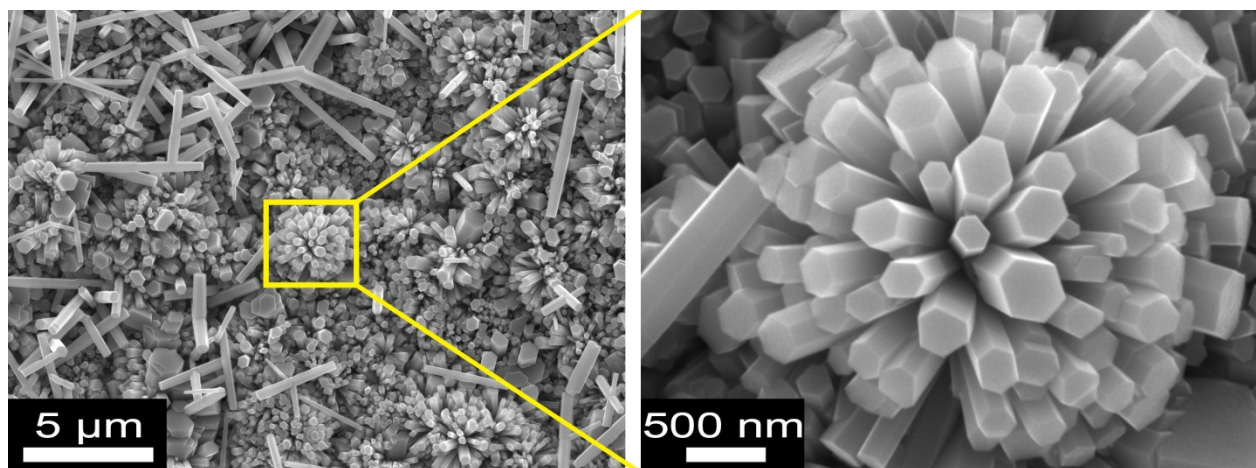
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**Supplementary Figure S1.**



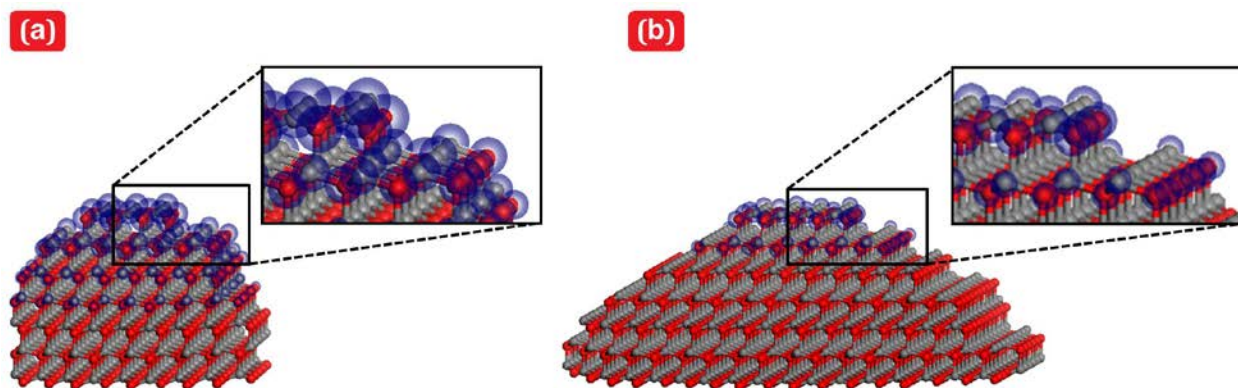
**SPSC experimental setups.** (a) Submerged liquid plasma experimental setup. (b) Submerged UV irradiation experimental setup.

**Supplementary Figure. S2.**



**Terminated apical growth of ZnO nanoflowers.** A continuous 72 h of UV irradiation in ultrapure water resulted in flat, hexagonal tips of the nanostructures. The right panel is the magnified FE-SEM image.

**Supplementary Figure S3.**



**Curvature radius dependence of the 1.7 electron/Å<sup>3</sup> electron density isosurfaces for nanobumped ZnO. (a-b) R = 1.0 and 2.0 nm, respectively. The isosurfaces are indicated by the purple coloured region. The larger radius of curvature resulted in decreased electron density at the apex.**