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Rutile microtubes assembly from nanostructures obtained by ultra-short laser ablation of titanium in liquid

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Highlights

Laser ablation of a titanium target in water performed by an ultra-short laser source has been reported.

The formation of nonstoichiometric titanium oxide nanoparticles has been observed.

The titanium oxide nanoparticles give rise to different nano and micro- structure in a water driven process.

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