

## Template Wetting Process 에 의한 Pt Nanotube 제작

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### Pt Nanotubes by Template Wetting Process

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**Abstract :** Pt nanotubes with diameter of 200nm was fabricated by using simple and convenient method Template- Wetting Process. Porous alumina membranes were prepared by 2 step anodic oxidation as the template. To improve wetting properties and make low surface energy, Pt solution was mixed with Polymer. Polymer was removed completely during annealing. Grain growth process of Pt nanotubes during baking, and furnace annealing was examined by FE-SEM, XRD, and TEM.