

# Supporting Information for

## **Reactive Facets Covered Mosaic Spheres of Anatase TiO<sub>2</sub> and Related Pseudo Isotropic Effect**

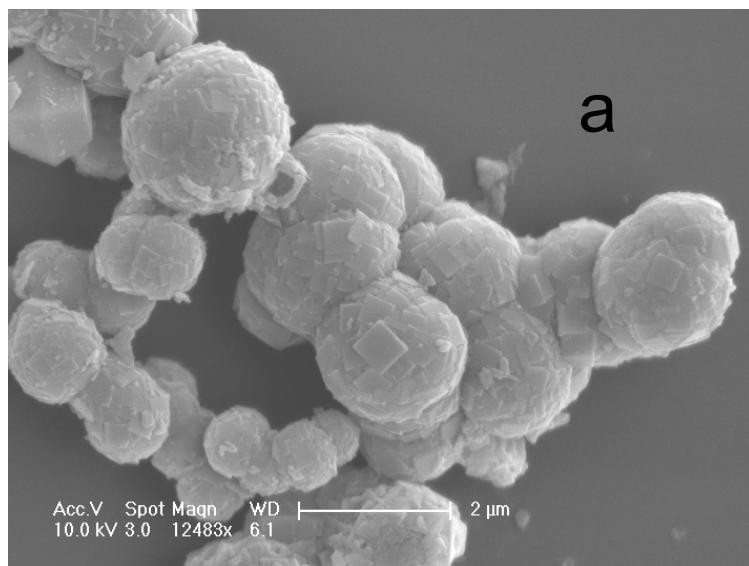
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Figure S1. SEM images of anatase mosaic spheres.a-b, 6h products. c,2h media.

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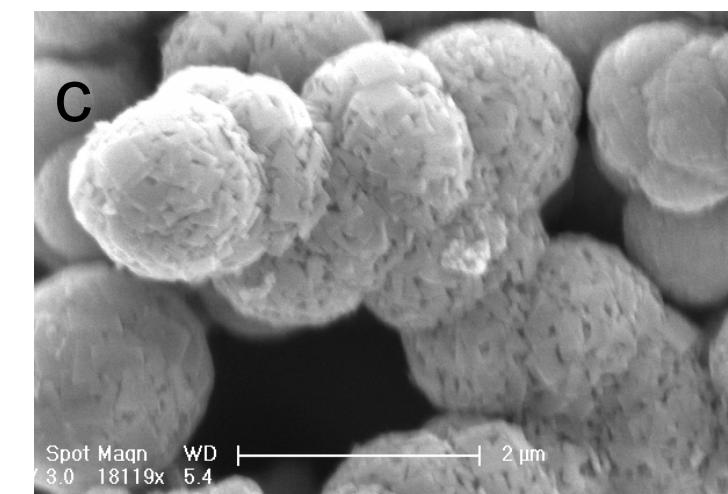
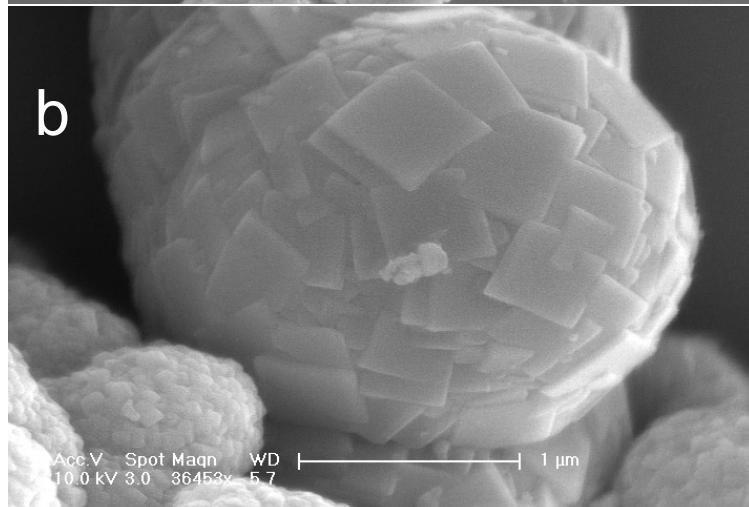


Figure S2. XRD patterns of anatase mosaic spheres using different amounts of NaF (mmol) at 200 °C, showing the dependence of (004) diffractive intensity upon NaF.

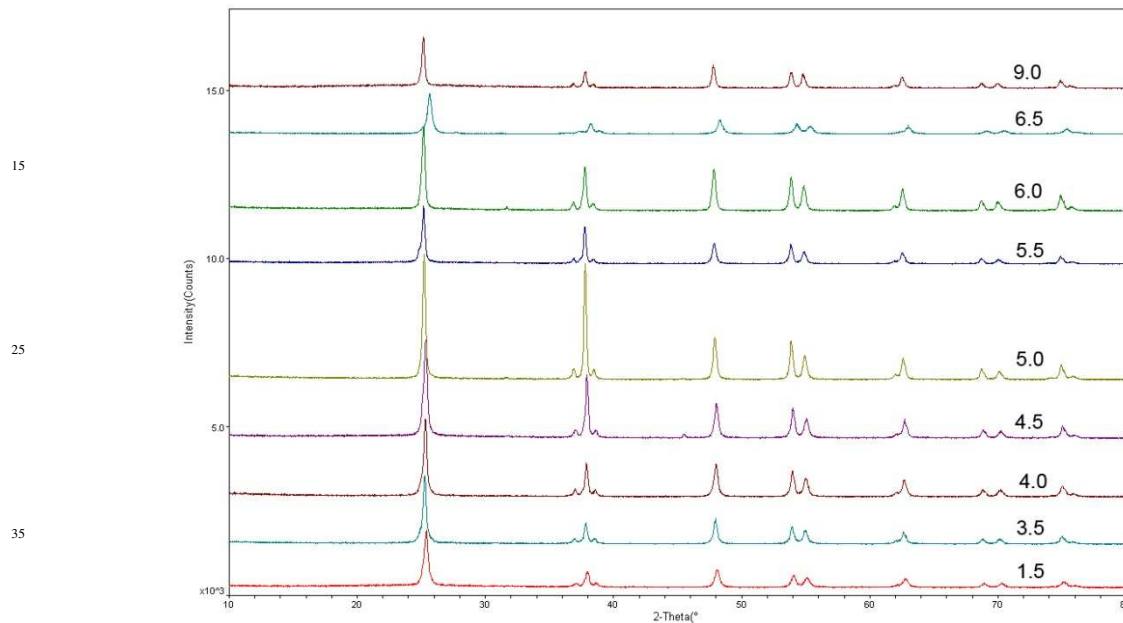


Table S1. The dependence of  $I_{004}/I_{101}$  on the amount of NaF at 200 °C.

$n_{NaF} (mmol)$	1.5	3.5	4.0	4.5	5.0	5.5	6.0	6.5	9.0
$I_{004}/I_{101}$	0.3	0.33	0.45	0.73	1.04	0.70	0.57	0.31	0.37

Figure S3. The dependence of (004) diffractive intensity upon the amounts of NaF at 95°C (a) and 120°C (b).

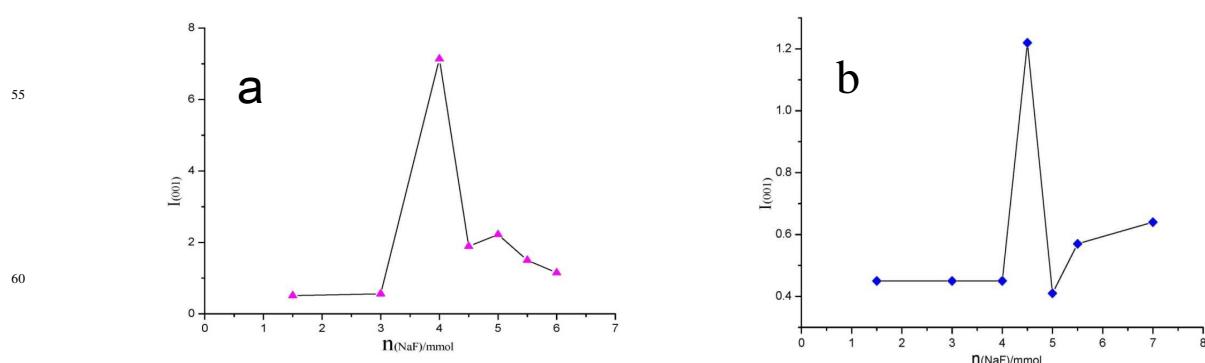


Figure S4. SEM images of the products prepared using NH<sub>4</sub>F.

